

2017 RBWH RESEARCH REPORT

RBWH
celebrating
150
years
1867–2017

Published by the State of Queensland (Metro North Hospital and Health Service), April 2018



This document is licensed under a Creative Commons Attribution 3.0 Australia licence.

To view a copy of this licence, visit creativecommons.org/licenses/by/3.0/au

© State of Queensland (Metro North Hospital and Health Service) 2018

You are free to copy, communicate and adapt the work, as long as you attribute the State of Queensland (Metro North Hospital and Health Service).

For more information contact:

Email: merrilyn.banks@health.qld.gov.au

Phone: 07 3646 5597

Visit us at: <https://metronorth.health.qld.gov.au/rbwh/>

Royal Brisbane and Women's Hospital
Butterfield Street, Herston Qld

An electronic version of this document is available at www.health.qld.gov.au/metronorth

Disclaimer:

The content presented in this publication is distributed by the Queensland Government as an information source only. The State of Queensland makes no statements, representations or warranties about the accuracy, completeness or reliability of any information contained in this publication. The State of Queensland disclaims all responsibility and all liability (including without limitation for liability in negligence) for all expenses, losses, damages and costs you might incur as a result of the information being inaccurate or incomplete in any way, and for any reason reliance was placed on such information.

Editor

Maxine Goulston

Design and Typesetting

Sue Sacre

Clinical Multimedia

Building 15

Royal Brisbane and Women's Hospital

Photography

Clinical Multimedia

Produced by

CPX Printing and Logistics

Unit 4, 81 Bishop Street

Kelvin Grove

Ph: +61 7 32211212

E: sales@cpx.com.au

CONTENTS

Executive Director's Report
 RBWH Foundation
 Brisbane Diamantina Health Partners
 Griffith University
 Pathology Queensland
 QIMR Berghofer
 Queensland University of Technology
 The University of Queensland
 PhD Candidates in 2017

Allied Health Professionals	18
Centre for Allied Health Research	20
Nutrition and Dietetics	28
Occupational Therapy	41
Physiotherapy	46
Psychology	58
Rehabilitation Engineering	61
Social Work	63
Speech Pathology and Audiology	66

Cancer Care Services	75
Haematology, Bone Marrow Transplant and Haemophilia	77
Cancer Care Nursing Professorial Precinct	88
Medical Oncology	105
Radiation Oncology	127

Critical Care and Clinical Support Services	142
Emergency and Trauma Centre	143
Hyperbaric Medicine Services	157
Intensive Care Services	159
Genetic Health Queensland	180
The Professor Tess Cramond Multidisciplinary Pain Centre	184

Internal Medicine Services	187
Department of Cardiology	188
Department of Clinical Immunology and Allergy	201
Department of Clinical Pharmacology	202
Department of Gastroenterology and Hepatology	207
Infectious Diseases Unit	217
Internal Medicine Research Unit	231
Kidney Health Service	239
Department of Neurology – Epilepsy	253
Department of Neurology – Motor Neurone Disease	257
Department of Neurology – Stroke	263
Nuclear Medicine/Specialised PET Services Qld	265
Palliative and Supportive Care	269

Pharmacy	271
Department of Rheumatology	289
Sexual Health and HIV Service	291
Qld Statewide Antimicrobial Stewardship Program	293

Medical Imaging	297
------------------------------	------------

Medical Services	304
Centre for Palliative Care Research and Education	305
Safety and Quality Unit	316

Mental Health Services	319
Metro North Mental Health Services	320

Nursing and Midwifery	345
Nursing and Midwifery Research Centre	346

RBWH Research Services	359
RBWH Executive Director Research Report	360
RBWH and RBWH Foundation Research Advisory Committee	365
Herston Imaging Research Facility	366
RBWH Human Research Ethics Committee	367
Jamieson Trauma Institute	368

Surgical and Perioperative Services	372
Adult Burn Centre	373
Department of Ear Nose and Throat Surgery	375
General Surgery - Acute Surgical Unit V	378
General Surgery - HPB/Bariatric Unit II	379
General Surgery – Brisbane Colorectal Research Unit III	380
Department of Neurosurgery	384
Department of Oral Maxillofacial Surgery	387
Department of Ophthalmology	389
Department of Orthopaedic Surgery	394
Research Group on Anaesthetics (RIGA)	405
Trauma Service	413

Women's and Newborn Services	415
Perinatal Research Centre	416
Obstetrics and Gynaecology Services	428
Department of Obstetric Medicine	436
Queensland Centre for Gynaecological Cancer	441
Grantley Stable Neonatal Unit	446

Appendix A	452
-------------------------	------------



EXECUTIVE DIRECTOR'S REPORT



Dr Amanda Dines
Executive Director
Royal Brisbane and Women's Hospital

*I continue to be
impressed by the
expertise our people
have amassed*

Positioned in the heart of Brisbane and ahead of the game in revolutionising modern health care research, Royal Brisbane and Women's Hospital (RBWH) is a facility like no other. RBWH boasts a unique mass of clinicians, scientists, researchers, educators and healthcare professionals. We enjoy education and research partnerships state-wide and across the country, and are well placed to meet the growing and complex health service needs of our state.

In 2017, RBWH celebrated 150 years caring for Queenslanders, giving us an opportunity to look back on our legacy. Much of this was forged by our early research pioneers who set in place a foundation for us to build a research capability that I'm extremely proud of.

Over \$61 million in funding was awarded during 2017 to our researchers to continue their leaps and bounds in clinical investigation. This money has funded work across specialities including: Cancer Care, Emergency Medicine, Allied Health, Critical Care, Internal Medicine, Surgical and Perioperative, Medical Imaging, Medical Services and Women's and Newborns.

An incredible sixty-five departments at RBWH were actively involved in some 330 collaborative research projects spanning right across the globe. Our researchers' works were acknowledged nationally and internationally through 51 book chapters, 93 awards and 503 oral presentations, as well as 40 invitations to speak at conferences and events globally.

Our research partnerships are stronger than ever as we continue to work alongside QIMR Berghofer, Queensland University of Technology, The University of Queensland and Griffith University and interstate universities such as Monash University and University of New South Wales to pursue medicine's unanswered questions.

A new collaboration taking us into an exciting future is our recently-announced Jamieson Trauma Institute (JTI), which will see us advance trauma prevention, research and systems. The institute, opening in 2018, will be built on partnerships with other trauma services and the Statewide Trauma Clinical Network, health services, government and industry. It will reconceptualise how trauma services are delivered.

As always, the annual RBWH Healthcare Symposium was a highlight of the year and remains a key platform of us to show the intensity and commitment of our researchers and clinicians. We adopted a new three-day format this year, which proved popular with delegates and presenters alike as it gave more people more opportunity to hear directly from researchers about the work they're doing. I'm confident that the 2018 symposium will build on this success.

I continue to be impressed by the expertise our people have amassed and the advancements they make each year to improve the healthcare and lives of people not only here in Queensland and Australia, but around the world. They are the foundation of excellence and of RBWH; in case, in research; and in learning.



Peter Treseder AM
Chief Executive Officer
Royal Brisbane and Women's Hospital

To Live

Rays of a setting sun
Silhouetted a smile
Illuminating a consciousness
Of a shell's shadowy road

To a place less travelled
Where hopes for hearts
Are clearing the way
To a peaceful tomorrow

And the energies of one
Are harnessed
To the dreams
Of the many

Where the sadness
Of the past
Is forgotten on the promise
Of tomorrow

And the quiet one
Is still to the harmony
Of the rain
As it floats horizontally

Before mixing
With the tears
Of those who
Have foreseen

The light
And prepared for the future
Long before
A future was imagined

Of a place and time
When all
Can breathe
Their intelligence

And live
An unfinished life
Worthy of
Their own expectations

And those
With fire in their eyes
Flickering to
The beat of embers

Rising from
The intensity of the glow
Of all our aspirations
To live, to live, to live

A life of meaning
For themselves
And for those around them who
Just want to live!

RBWH Foundation has once again played its part in supporting those with “fire in the eyes” who want to live a life of meaning for themselves and for those they serve.

For the financial year ended 30 June 2017, we provided a record \$6.23m in support of hospital initiatives, including medical research, equipment, education and training, and hospital programs.

We would like to thank our hospital colleagues and volunteers for their empathy, our donors for their emotional support and our patients for their quiet inspiration.

BRISBANE DIAMANTINA HEALTH PARTNERS



Ms Areti Gavrilidis

General Manager
Brisbane Diamantina Health Partners

Brisbane Diamantina Health Partners (BDHP) brings together leading universities, research institutions and healthcare providers focusing on the underpinning of research, education and collaboration for better clinical care and health outcomes.

Established in 2014, with the aim to build on Queensland's strong position as a global leader in biomedical research and deliver better outcomes to our patients. The BDHP members are Metro North Hospital and Health Service, Metro South Hospital and Health Service, Children's Health Queensland Hospital and Health Service, Mater Misericordiae Ltd, The University of Queensland, Queensland University of Technology, the Translational Research Institute, the QIMR Berghofer Medical Research Institute, Brisbane South PHN and the Queensland Department of Health. In addition, the Southern Queensland Centre of Excellence in Aboriginal and Torres Strait Islander and CSIRO e-Health Research Centre are collaborators.

The BDHP had a number of achievements in 2017, outlined below: BDHP was recognised as a national leader in the provision of research-based healthcare by the National Health and Medical Research Council as an Advanced Health Research and Translation Centre (AHRTC). There are currently seven AHRTCs and two Centres for Innovation in Regional Health across Australia. BDHP is the only AHRTC in Queensland.

The AHRTCs are recognised as leading collaborative centres that excel in health and medical research, translation of evidence into patient care and demonstrate strong research and translation focus in the education of health professionals, at an international level.

As an AHRTC, BDHP works collaboratively with the other AHRTCs and CIRHs on a number of national initiatives.

The work of the BDHP Themes progressed in 2017, building on and leveraging the clinical and research excellence across BDHP in nine key clinical areas to facilitate collaborative research and practice, for better health outcomes. The Themes held ongoing meetings and forums bringing together clinicians and researchers. The Themes areas are:

- Ageing
- Immunity, inflammation, infection
- Maternal and child health
- Skin and Skin Cancer
- Trauma, critical care and recovery
- Evidence and innovation in clinical care
- Brain and mental health
- Cancer
- Chronic disease

BDHP continues to develop streamlined systems and shared approaches across the Partners, through a number of Working Groups. The cataloguing and sharing of expertise to support biobanks across BDHP was achieved in 2017 through the Biobanking Working Group (supported by BDHP and Queensland Health). The framework, policies and standard operating procedures of the Princess Alexandra Hospital Centres for Health Research (Metro South Health) were shared and contributed to the BDHP's governance framework and principles for adoption across the BDHP biobanks.

The Human Research Ethics and Governance Working Group continued to progress the BDHP Research Passport Agreement to streamline and harmonise the research ethics and governance approvals with a formal evaluation to be undertaken in 2018.

Further information about BDHP is available on the BDHP website -<http://www.brisbanediamantina.org.au>



Prof Suzanne Chambers
Director
Menzies Health Institute

The **Menzies Health Institute Queensland (MenziesHIQ)** at Griffith University and the Royal Brisbane Women's Hospital (RBWH) have continued to maintain a strong working relationship into 2017. Innovative clinical research continues to form the foundation of this partnership with clinical trials and joint staff appointments in place to support improvements in patient care across the hospital.

The Alliance for Vascular Access Teaching And Research (AVATAR) group was founded on the partnership between MenziesHIQ and RBWH's Nursing and Midwifery Research Centre. AVATAR continues to conduct world leading research improving access to veins and arteries for medical treatment. In 2017 this included completion of an NHMRC funded, multi-centre, randomised controlled trial (RCT) in 2941 patients to test infection prevention strategies across hospital specialties. Another large, NHMRC funded, multi-centre trial is ongoing into optimal dressings for vascular catheters in cancer patients.

This alliance has resulted in over \$11 million in research funding, 200+ publications including many large randomised controlled trials, 20+ researchers trained at Honours, Masters or PhD level, and numerous clinical nurses and doctors participating in the research. This work is referenced in global clinical practice guidelines such as those of the US Centers for Disease Control and Prevention, the UK's NHS Infection Prevention and Control Guidelines and the international Standards for Infusion Therapy.

In 2017, a joint Research Fellow in Vascular Access position was created between RBWH and Griffith University's School of Nursing and Midwifery, with Nicole Marsh appointed into the position and leading numerous clinical, education and research collaborations.

RBWH and MenziesHIQ continue to jointly support the appointment of Professor Jenny Paratz as a Principal Research Fellow. Professor Paratz is an internationally renowned researcher in intensive care and burns research.

Other 2017 collaborations between MenziesHIQ and RBWH's Nursing and Midwifery Research Centre include a completed, NHMRC funded, trial of a pressure injury prevention package and a current, NHMRC funded, multi-center trial evaluating the prophylactic use of negative pressure wound therapy to prevent surgical site infection. Griffith University's MenziesHIQ will continue to collaborate with the RBWH to generate translatable research outcomes that improve health and wellbeing for patients and communities alike.

PATHOLOGY QUEENSLAND



Prof Sunil Lakhani
Executive Director Research
Pathology Queensland

Pathology Queensland has recently established a Research Office – with the appointment of Professor Sunil Lakhani as Executive Director Research and Dr Irma Gresshoff as Principal Research Officer.

The current work of the office revolves around establishing the baseline of research activity in PQ, reviewing governance and developing a strategic plan.

Collaborative initiatives within PQ and its partners include (but are not limited to):

Anatomical Pathology:

Breast Cancer (Sunil Lakhani) project in collaboration with RBWH Breast Surgery, Neurosurgery, Oncology and Radiology. The work is supported by NHMRC Program and Project grants to UQ/QIMR collaborative. A pilot clinical trial to test a PET-drug conjugate uptake in Brain Metastases is about to begin at The Herston Imaging Research Facility (HIRF).

Lung cancer (Mahendra Singh & Laxmi Nandkumar with Dr David Fielding and Peter Simpson) project in UQCCR and QIMR to develop next generation sequencing analysis of cytology smears from endoscopic aspirates.

Prostate Cancer (Diane Payton & Jo Perry-Keene with Frank Gardiner) project investigating laproscopic surgery and biomarker discovery for early detection.

Chemical Pathology:

The R&D Unit (Jacobus Ungerer) supports laboratory and clinical research to improve patient care and outcomes.

Activities include diagnostic laboratory testing, data acquisition, and development of new tests.

Areas of collaboration include emergency medicine and testing of troponin for myocardial infarction diagnosis, intensive care and therapeutic drug monitoring of antibiotics in sepsis, and the use of new biomarkers in renal disease, gastroenterology and endocrinology. The work has resulted in peer-reviewed publications and changes to clinical practice.

Microbiology:

The Microbiology group (Graeme Nimmo and colleagues) participate in the Australian Group on Antimicrobial Resistance surveillance programs for *Staphylococcus aureus*, *Enterococcus* and gram-negative bacteraemia – these are a major component of Australia's response to antimicrobial resistance;

(<http://www.agargroup.org/>). Prof Nimmo is a member of the editorial boards of Pathology, the European Journal of Clinical Microbiology and Infectious Disease and the Global Journal of Antimicrobial Resistance and is chief investigator in the Centre of Research Excellence in Reducing Healthcare Associated Infections.

Haematology:

The Pathology Qld Transfusion Haematology department (John Rowell and colleagues) is assisting with two studies (FEISTY, PROPHICCY) that measure coagulation status using viscoelastic haemostatic assays, which are performed on ROTEM machines. Further investigations involving the application of ROTEM technology in pregnancy and preclampsia and pre hospital trauma are ongoing. ROTEM testing has been provided by the transfusion laboratory (Blood Bank) at RBWH since June 2014. The unit is also participating in a national Massive Transfusion Registry.

QIMR BERGHOFFER



Prof Frank Gannon

Director and Chief Executive Officer
QIMR Berghofer Medical Research
Institute

At QIMR Berghofer Medical Research Institute we find ourselves very fortunate to be located just next door to the RBWH. In our discussions with researchers and visitors we point out that this proximity and the combination of a most significant hospital and a very large medical research provides an instant positive impact.

Although we have our own research to attend to, we are also deeply engaged in development of the Herston Precinct. This is a frequent topic at joint meetings with MNHHS, UQ, QUT and ourselves; the four significant entities located in this area.

The expansion of the Herston Quarter will of course add to the possibilities in the health related sector in this area. I increasingly refer to the possibility of Herston becoming the new Parkville as all of the components required for this are in place and the relationships between the partners are strengthening annually.

A particular point of collaboration is at the Herston Imaging Research Facility (HIRF). This has been formed based on an alliance between the four partners and is increasing steadily in its output. The collective skills of the RBWH teams as the operators and the researchers from here and elsewhere has meant that really cutting edge research on volunteers, and potentially on patients, is being performed.

We add to the precinct also through Q-Pharm, our clinical trials company. This has undergone a phase of reorganization in the past year under the leadership of Dr. Tufail Syed and is in a position to provide an increased range of highly professional clinical trial services. The record of Q-Pharm over the past 15 years has been impeccable and they can be good partners for all who require support in clinical trials at the hospital.

Another interaction occurs through our Statistic group. This also has been reorganized in the past year under the leadership of Dr. Gunter Hartel. Having come from a key position in CSL, he is very well placed to add the most sophisticated statistical analysis as an offering to clinicians at the hospital.

All of the above examples are in addition to our strong links via our researchers many of whom have shared appointments with the hospital. Our commitment to the future of health through research is consolidated year on year and our relevance to the clinicians therefore grows.

We look back and congratulate you on a wonderful year of achievements and look forward to adding to these in the future.



Prof Ross Young
Executive Dean
Faculty of Health QUT

The productive QUT and RBWH partnership continued in 2017 with QUT's activities conducted through the Faculty of Health, Science and Engineering Faculty, Institute of Health and Biomedical Innovation (IHBI), Australian Centre for Health Law Research and Brisbane Diamantina Health Partners (BDHP).

Plans for the Herston Biofabrication Institute progressed in preparation for the 2018 opening. This exciting collaboration between Metro North Hospital and Health Service and QUT will bring together researchers from multiple disciplines to advance knowledge and technology in 3D scanning, modelling and printing of bone, cartilage and other human tissue. This will provide innovative, personalised and automated treatment that we hope will improve recovery, rehabilitation and quality of life.

At the Herston Imaging Research Facility (HIRF) our clinicians and researchers are working to improve the diagnosis and treatment of cancers, psychological disorders, cardiovascular disease, neurological disease and injury. A clinical and preclinical molecular imaging research program to assess new radiotracers for PET studies has commenced with other projects funded via RBWH seed grants in development. Other important diagnostic research between QUT Biomedical Sciences and RBWH clinical researchers is developing salivary biomarkers for head and neck cancers. This collaboration and research capacity six papers and the awarding of funding from the Cancer Australia Priority-driven Collaborative Cancer Research Scheme and the Garnett Passe and Rodney Williams Memorial Foundation – Conjoint Grant Scheme.

RBWH renewed its commitment as a partner with UQ and QUT to the Australian Centre for Health Services Innovation (AusHSI) in 2017. AusHSI supported and advised clinician researchers on health services research projects including a review of health service purchasing models, and supporting the Long Stay SEED Project by evaluating outcomes of the introduction of advanced social worker services to reduce length of stay and better meet the needs of long stay patients. This partnership will extend to professional development to build stronger implementation science and research capacity in 2018.

QUT School of Nursing and RBWH collaborations led to significant outcomes. The Kidney Supportive Care Program received an Australian Council of Health Care Standards Quality Improvement Award for Clinical Excellence and Patient Safety, and the Metro North Health Services and Implementation Research Award. QUT and RBWH investigators were awarded an NHMRC Partnership Grant for the ENCORE Trial which provides the first rigorous evaluation of strengthening nurse surveillance to improve patient and organisational outcomes, including studies of clinical and cost effectiveness. The NHMRC End-of-Life Care Centre of Research Excellence published high impact outputs in BMC Cancer and BMC Medicine and held a national workshop on innovation in primary care. The NHMRC Chronic Kidney Disease Centre of Research Excellence – led by UQ with MNHHS, QUT and other partners – published research outcomes in BMC Nephrology and Journal of Advanced Nursing. The Queensland Collaborative for Cancer Survivorship was established with researchers from QUT, RBWH and BDHP leading a program to address the needs of Australians living with and beyond a diagnosis of cancer. Outputs included articles in Supportive Care in Cancer and Journal of Palliative Medicine.

QUT professorial units at RBWH continued to facilitate collaborative clinical, practical and translational nursing research. The Intensive Care Nursing Professorial Unit is leading a pilot study on methods to reduce ICU medical device-related injuries. Our Cancer Nursing Professorial Unit provided academic leadership to over 250 cancer nurses and facilitated new joint appointments. The Stroke Nursing Professorial Unit published in BMC Geriatrics and commenced a study investigating pathways to and through rehabilitation in stroke patients. New partnerships in mental health nursing include our joint researcher investigating the use of technology to assist within mental health wards, and publishing outputs in Journal of Hospital Medicine and Clinical Simulation in Nursing. The Renal Nursing Professorial Unit continued their high quality research in end stage kidney disease.

2017 publications demonstrated sustained engagement between academic staff, clinicians and students in wound care, nursing practice, renal health, nutrition, cardiovascular disease, emergency medicine, reproductive health, cancer and neurophysiology. New grants in the areas of brain trauma, cancer treatment and survivorship, nursing practice, wound care, stroke therapy and diagnostic genomics will ensure that QUT and RBWH's valued partnership continues to benefit our organisations, patients and community.

THE UNIVERSITY OF QUEENSLAND



Prof Elizabeth Eakin

Associate Dean (Research),
Faculty of Medicine
The University of Queensland

The two health-focused Faculties at UQ, Health and Behavioural Sciences (HaBS) and Medicine, have multiple active points of engagement with RBWH on the Herston campus, involving collaboration across research, teaching and clinical service delivery.

Both Faculties have a strong presence on the Herston campus. This includes the School of Dentistry, the School of Clinical Medicine, RBWH Clinical Unit, UQ Centre for Clinical Research (CCR) and the School of Public Health, as well as a number of UQ-RBWH collaborative research centres. These include the Burns, Trauma and Critical Care Research Centre (BTCCRC), directed by Professor Jeffrey Lipman; the Perinatal Research Centre led by Professor Paul Colditz; and the Centre for Youth Substance Abuse Research (CYSAR), funded by a philanthropic gift from the Graeme Wood Foundation and from the Australian Department of Health's Drug and Alcohol Program, and directed by Professor Jason Connor. The Recover Injury Research Centre, funded by the Queensland Motor Accident Commission, and situated in the UQ Oral Health Centre, has a number of close collaborations with RBWH physiotherapy and occupational therapy. UQ is also a partner with QUT, Queensland Health, and QIMR Berghofer in the Health Imaging Research Facility (HIRF) located in the CCR building. This provides state-of-the-art imaging to researchers in oncology, clinical neurosciences, and related fields.

The integration of the UQ School of Dentistry and the Brisbane Dental Hospital within the spectacular, purpose-built UQ Oral Health Centre has become a reality, with seamless integration of clinical teaching and service provision. We are delighted to have five senior conjoint positions in dental specialties ensuring the success of this collaboration. UQ is also an active partner in the development of a planned Specialised Rehabilitation and Ambulatory Care Centre on the Herston site, which will serve as a pathway from hospital to community for RBWH patients while at the same time providing unrivalled opportunities for inter-professional clinical education and translational research to benefit rehabilitation outcomes.

The Faculty of Medicine has undergone considerable re-setting over the past year, culminating in a Decadal Plan. A priority for the Faculty is growing and supporting the next generation of clinician-scientists, in collaboration with key hospital and health service partners, including RBWH. The faculty will also welcome a new Executive Dean, Professor Geoff McColl, BMedSc, MBBS, PhD, MEd, FRACP, in June 2018 from the University of Melbourne.

The University looks forward to continuing to strengthen its relationship with RBWH, with the aspiration of working collaboratively with the hospital and within the Brisbane Diamantina Health Partners to achieve evidence-based improvements in research, clinical care and education to deliver the highest quality healthcare for the benefit of Queenslanders.



Prof Christina Lee

Associate Dean (Research), Faculty
of Health and Behavioural Sciences
The University of Queensland

SUCCESSFUL PHD CANDIDATES IN 2017

Mental Health



Dylan Flaws

Title of Project -

Derivation of a diagnostic decision tree for the Acute Coronary Syndrome management pathway.

Women's and Newborn Service



Jo George (PhD)

Title of Project -

PPREMO- Prediction of motor outcomes based on early brain structure

also from WNS

[Luisa Gomez-Arango](#)

who successfully submitted her project titled *Microbiota of Pregnancy*

Internal Medicine



Andrew Mallett (PhD)

Title of Project -

Genetic gnostics in genetic renal disease: methods, applications and therapeutics.

Also from Internal Medicine, congratulations to

- [Colette Wembenyui \(MPhil\),](#)

Title of Project - *Examining knowledge and self-management of chronic kidney disease in a primary health care setting: Validation of two instruments*

- [Martin Wolley,](#)

Title of Project - *Clinical and Physiological aspects of Salt Sensitive Hypertension*

SUCCESSFUL PHD CANDIDATES IN 2017

Surgery & Perioperative Services



Dr Victoria Eley (PhD)

Title of Project -

Clinical guidelines relating to the anaesthetic management of obese parturients: an evaluation of the evidence supporting the recommendations and their utility in clinical practice. The University of Queensland, 2017. Supervisors: Callaway L, van Zundert A, Lipman J.



Matt Roberts (PhD)

Matt's Prizes

- Winner, Prof Frank Gardiner award for Best Registrar Paper. 2017 USANZ Northern Section Meeting, Brisbane, 2017
- Finalist, Excellence in Training & Education, Metro North 2017 Staff Excellence Awards. Metro North Hospital and Health Service, Queensland Health, 2017
- Selection in "Best of the Best" Oral Presentations (plenary) ANZUP Cancer Trials Group Ltd Annual Scientific Meeting, Melbourne 2017
- ANZUP/Bayer Travel Fellowship (to attend ANZUP 2017 Annual Scientific Meeting) Australia & New Zealand Urogenital and Prostate Cancer Trials Group, 2017

Cancer Care Services



Elise Button (PhD)

Project Title -

Identifying risk of deteriorating and dying in people with a haematological malignancy.

SUCCESSFUL PHD CANDIDATES IN 2017

Allied Health Professions



Teresa Brown (PhD)

Project Title -

Optimising nutrition support in patients with head and neck cancer

Also from Allied Health Professions, congratulations to:

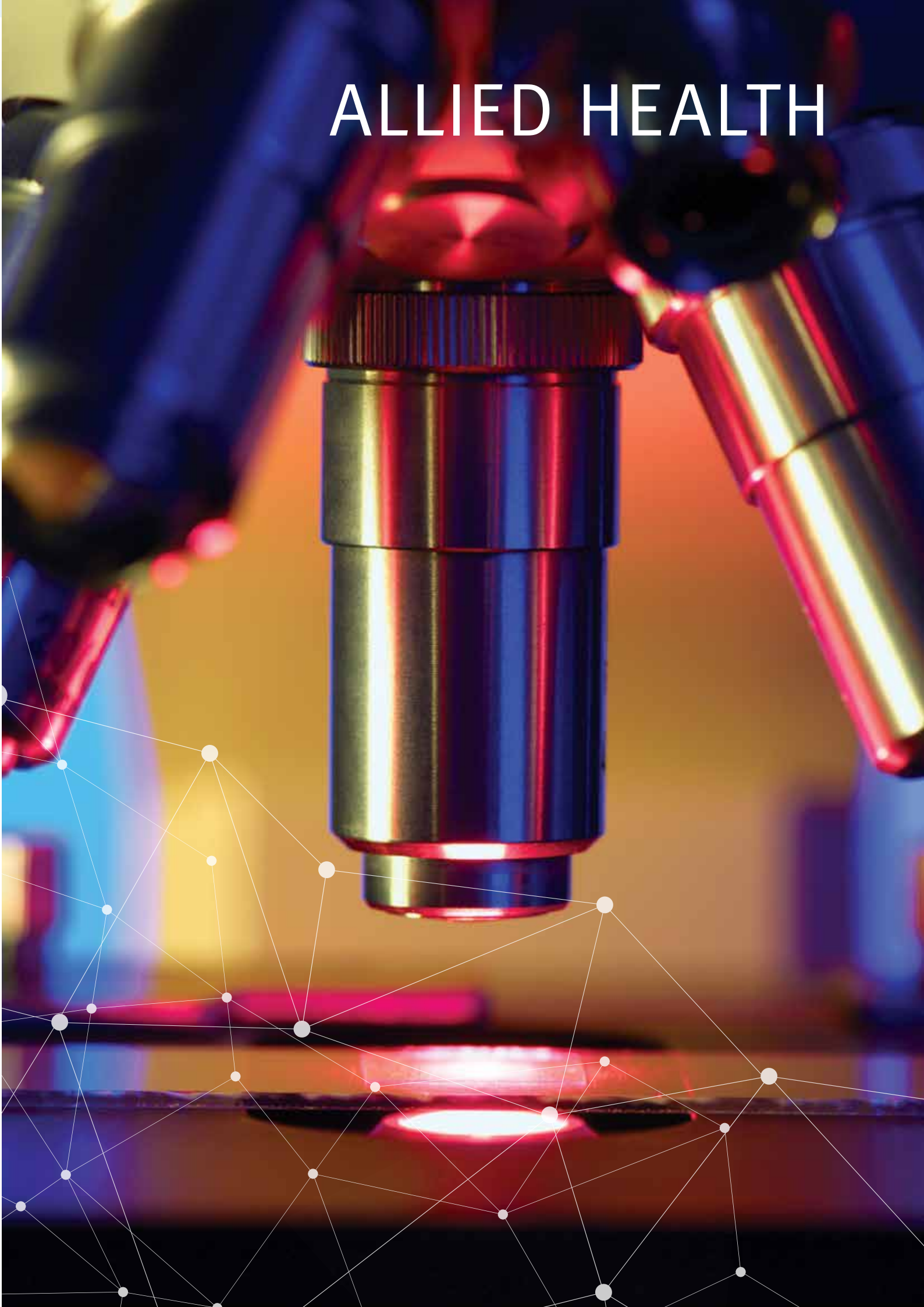
[Alexia Rhode \(PhD\)](#)

Title of project - *Evidence-based identification of aphasia using a rational clinical examination approach*

[Kylie Wall \(PhD\)](#)

Title of project - *Cognitive changes in people after stroke*

ALLIED HEALTH



ALLIED HEALTH PROFESSIONS



Peter Buttrum
Executive Director
Allied Health

We have dedicated research positions in most disciplines that provide practical support to clinicians

The Allied Health Professions (AHP) service line comprises the professions of Audiology, Nutrition and Dietetics, Occupational Therapy, Orthotics and Prosthetics, Physiotherapy, Psychology, Rehabilitation Engineering, Social Work and Speech Pathology, as well as the Clinical Multimedia Unit. The professions support RBWH clinical services lines within multiprofessional teams and provide high quality and evidence based services across the continuum of care.

Aligned to the RBWH vision of being a world class academic health centre, Allied Health is committed to the integration of research within clinical care. This research investment, along with ongoing education, underpins the evidence base, effectiveness, and efficiency of our service delivery, and outcomes are aimed at transforming clinical service delivery within the rapidly changing healthcare environment.

The RBWH Allied Health research program is supported by both the RBWH Centre for Allied Health Research and Metro North HHS Collaborative for Allied Health Research, Learning and Innovation (CAHRLI). CAHRLI is a strategic network of allied health clinicians and researchers that formally links research, learning and patient care, capitalising on our existing resources to enhance capacity and output. Investment in supporting clinicians to undertake research as part of practice has been a cornerstone of Allied Health research capacity building both throughout Metro North and the RBWH over recent years. We have dedicated research positions in most disciplines that provide practical support to clinicians in evaluating their everyday practice resulting in not only improved patient care, but contributing important end user knowledge to the wider academic community. Currently there are 20 of our RBWH Allied Health Partitioners undertaking a research higher degree (RHD) with a further five awarded a CAHRLI pre-RHD scholarship for 2018 and we look forward to them commencing their RHD journey this year.

Our experienced researchers are involved in the supervision of an additional 28 RHD students across multiple universities; many of these students are undertaking vital research that contributes to enhanced service delivery and patient care. We had three clinicians complete their PhD's in 2017, Dr Teresa Brown, Dr Alexia Rohde and Dr Kylie Wall.

The investment has seen continued growth in a number of the Allied Health Research achievements. In 2017, AHP staff were successful in authoring 66 peer reviewed publications and attracting \$666k dollars in external grant funding. Additionally staff presented over 148 presentations or posters at local, national and international conferences. Outstanding achievements include Associate Professor Jennifer Paratz recognised for her ongoing commitment and achievement in research, receiving a Highly Commended Clinical Research Award and our Nutrition and Dietetics Team awarded a Highly Commended (Research Support) in the 2017 Metro North Research Excellence Awards.

Dr Clare Burns and Dr Nicole Andrews were awarded RBWH Foundation Patricia Duke Post-Doctoral Fellowships and Dr Susie de Jersey received the RBWH Foundation Royal Alumni Research Encouragement Award. Sarah Anderson was awarded the National Evidence based practice award by the Dietitians Association of Australia and Leisa Turkington received the CAHRLI New Researcher Award. Our Social Work team received a QuARRIES Service Line Award for their Overcoming psychosocial barriers of long-stay patients project.

We are extremely proud of our ongoing commitment to high quality research. We also appreciate and thank the contribution of university partners, without whom this level of research success would not be possible, and look forward to their ongoing collaboration. Finally, and most importantly, sincere thanks and congratulations are extended to all the Allied Health staff for their dedicated efforts and achievements in 2017.

CENTRE FOR ALLIED HEALTH RESEARCH

RESEARCH HIGHLIGHTS FOR THE PERIOD 01/01/2017 – 31/12/2017

The Centre for Allied Health Research (CAHR) is a network of Allied Health clinician researchers with a focus on building capacity for high quality research and evaluation within everyday clinical practice. The vision is to facilitate advances to health care and service delivery that translate into improvements to patient outcomes. The team provide support to both experienced and novice clinicians in developing and implementing health services research and evaluation within their practice. A number of higher research degree students, often practicing clinicians are supervised.

Key research activities involving Centre researchers within 2017 have included the cost and clinical evaluation of a number of new models of health care delivery, evaluating clinical outcomes in patients from a wide range of allied health clinical services and examining allied health research activities. The CAHR agenda continues to grow in diversity and impact with a wide range of multidisciplinary health service collaborators and university partners.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Ian Parker	PhD Australian Catholic University (2013-2019)	The Prevalence, Profile and Efficacy of conservative management for Hospital Ear Nose and Throat Category 2 and 3 wait list patients with vestibular dysfunction.	Nancy Low Choy, Ann Rahman, Tracy Comans , David Goode
Michelle Cottrell	PhD University of Queensland (2015-2019)	Evaluating the impact of a tele-rehabilitation model of care in an orthopaedic physiotherapy-led screening clinic & multidisciplinary service	Trevor Russell, Shaun O'Leary, Anne J Hill, Tracy Comans
Lachlan Standfield	PhD Griffith University Completed Jan 2017	Economic modelling methods for the estimation of resource use, cost-effectiveness and allocative efficiency of health care provision in a capacity constrained health care system	Tracy Comans, Paul Scuffham
Erin Pitt	PhD Griffith University (2013-2018)	Early childhood food consumption and dietary patterns: the influence of socio-economic and demographic factors and the food environment.	Tracy Comans , Cate Cameron
Michelle Pereira	PhD University of Queensland (2014-2017)	A combined workplace-based intervention for non-specific neck pain to reduce the economic burden of health-related productivity losses in office personnel: An employer's perspective	Venerina Johnson, Tracy Comans
Darryn Marks	PhD Griffith University (2014-2017)	Substitution of an orthopaedic surgeon with a physiotherapist in the management of shoulder pain	Leanne Bissett, Paul Scuffham, Tracy Comans
Li Li	PhD Griffith University (2016-2019)	Quality of life measurement for people living with dementia	Tracy Comans , Paul Scuffham, Kim-Huong Nguyen
Miia Rahja	PhD Flinders University (2016-2019)	The role of Occupational Therapists in the management of dementia care in the community	Kate Laver, Tracy Comans

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Alexia Rohde	PhD University of Queensland Degree conferred 6 October 2017	Evidence-based identification of aphasia using a rational clinical examination approach	Linda Worrall, Robyn O'Halloran, Erin Godecke, Anna Farrell
Leisa Turkington	PhD University of Queensland (2013-2019)	Neurogenic dysphagia and sensory enhancement strategies	Liz Ward, Anna Farrell
Katrina Ridout	PhD Queensland University of Technology (2016-2021)	Antenatal lifestyle intervention programs targeting healthy gestational weight gain and management: exploring the barriers and enablers to participation for women who are overweight or obese	Susie de Jersey , Danielle Gallegos Shelley Wilkinson
Carrie-Anne Lewis	PhD University of Queensland (2016-2021)	Micronutrient and protein energy malnutrition outcomes in a bariatric surgery outpatient clinic	Ingrid Hickman, Susie de Jersey , Emma Osland
Nina Meloncelli	PhD University of Queensland (2016-2019)	Management of gestational diabetes: exploring practices, evidence base and models of care among the multidisciplinary team	Susie de Jersey , Adrian Barnett

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Tracy Comans	Conjoint Fellow	Health Economics and Health services research	Griffith University (2015 – 2017)
Peter Buttrum	Adjunct Associate Professor	School of Health and Rehabilitation Sciences	UQ (2016 to current)
Anna Farrell	Principal Research Fellow	Centre for Allied Health Research	2015-2017
Susan de Jersey	Principal Research Fellow Visiting Research Fellow, and Adjunct Senior Lecturer	Centre for Allied Health Research	2017-2019 Queensland University of Technology (2013 – current) University of Sunshine Coast (2014-current)
Angela Chang	Research Coordinator	Centre for Allied Health Research	2016 to current

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Tracy Comans	Veronika Schoeb, Petrea Cornwell, Louise Gustafsson, Carine Milcent	Discharge planning in public and private hospitals in Hong Kong and Australia: How does it work and how cost-effective is it?
Angela Chang	Anna Farrell , Marilyn Banks (Nutrition and Dietetics), Peter Buttrum (Allied Health)	How much time do allied health clinicians spend undertaking research?

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Anna Farrell	Anna Rumbach, Stacey Verner-Wren, Rebecca Nund, Nerina Scarinci, Nicole Hutchinson, Robert Henderson, Pamela McCombe	Patient and family carer experiences of dysphagia in Motor Neurone Disease: Determining speech pathology service needs for those living in rural and remote locations
Susie de Jersey	A/Prof Leonie Callaway (UQ, WNBS), Dr Lynda Ross (Griffith Uni), Taylor Guthrie (Nutrition and Dietetics), Jeanette Tyler (Women's and Newborn), Nickie Moreton (Women's and Newborn), Dr Karen New (UQ, Women's and Newborn), Janelle Laws (Women's and Newborn)	Evaluation of workforce training to support Healthy Pregnancy Healthy Baby
Susie de Jersey	A/Prof Leonie Callaway (UQ, WNBS), Taylor Guthrie (Nutrition and Dietetics), Jeanette Tyler (Women's and Newborn), Nickie Moreton (Women's and Newborn), Dr Karen New (UQ, Women's and Newborn)	Efficacy of a low intensity consumer held pregnancy weight monitoring tool to prevent excess gestational weight gain
Susie de Jersey	Elizabeth Eakin (UQ, SPH), Shelley Wilkinson (Mater), Tracy Comans (CAHR), Leonie Callaway (UQ, WNBS), Claire Gardiner (Nutrition and Dietetics), Taylor Guthrie (Nutrition and Dietetics), Hilary Jimmieson (Nutrition and Dietetics)	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women
Susie de Jersey	Natasha Lorenzen, Taylor Guthrie (Nutrition and Dietetics)	Gestational Diabetes Service Nutrition Practice Guidelines and Outcomes clinical audit
Angela Chang	Susie de Jersey (CAHR), Anna Farrell (Speech Pathology), Jenny Strong (Occupational Therapy), Adrienne Young (Nutrition and Dietetics), Gai Harrison (Social Work), Jennifer Paratz (Physiotherapy), Peter Buttrum (Allied Health), Marilyn Banks (Nutrition and Dietetics)	Understanding research capacity and outputs in allied health workforce at RBWH

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Michelle Stute (Allied Health, MNHHS)	Peter Buttrum , Merrilyn Banks (Research), Maree Raymer (Physiotherapy), Tracy Comans , Sonia Sam , Nicole Moretto , Marita Plunkett (Allied Health)	Allied Health Specialist Clinics Project
Jennifer Paratz (Physiotherapy)	Rob Boots (Thoracic Medicine), Justin Kenardy (UQ CONROD), Fiona Coyer (RBWH & QUT Nursing), Peter Thomas (Physiotherapy), Tracy Comans , Jack Iwashyna (University of Michigan), Ignacio Martin-Loaches (University of Dublin), Carol Hodgson (Monash University), Bernadette Bissett (Canberra University)	Improving the outcome of sepsis: RCT
Maree Raymer (Physiotherapy)	Angela Chang , Shaun O'Leary (Physiotherapy), Belinda Gavaghan (AHPOQ), Liza-Jane McBride (AHPOQ)	Investigating representation rates to orthopaedic and neurosurgery services in patients discharged from Physiotherapy Screening Clinics in Metro North Hospital and Health Service
Maree Raymer (Physiotherapy)	Nicole Moretto , Angela Chang , Shaun O'Leary (Physiotherapy), Lachlan Standfield (Griffith University), Tracy Comans	Implementing economic modelling to improve service planning in Specialist Orthopaedic and Neurosurgical Outpatient Services within Cairns and Hinterland, Gold Coast and West Moreton Hospital and Health Services (Background data collection)
Maree Raymer (Physiotherapy)	Angela Chang , Shaun O'Leary (Physiotherapy), Nicole Moretto , Tracy Comans , Sonya Osborne (AusHSI), Hannah Carter (AusHSI), Dean Blond (Gold Coast), Tania Cavanagh (Cairns and Hinterland), David Smith (West Moreton)	Implementing simulation modelling to improve service planning in Specialist Orthopaedic and Neurosurgical Outpatient services in the Cairns and Hinterland, Gold Coast and West Moreton Hospital and Health Services (Implementation evaluation)
Maree Raymer (Physiotherapy)	Tracy Comans , Shaun O'Leary (Physiotherapy), Louise Mitchell (Physiotherapy)	An evaluation of the variation in clinical and service related site characteristics of the state-wide Neurosurgical/Orthopaedic Physiotherapy Screening Clinic and Multidisciplinary Service (N/OPSC & MDS) and Orthopaedic Screening in Primary Care (OSiP).
Shaun O'Leary (Physiotherapy)	Stephen McPhail (PAH), Tracy Comans , Maree Raymer (Physiotherapy), Asad Khan.	Optimising patient selection and resource utilization for the non-surgical management of common orthopaedic conditions
Ally di Bella (Nutrition and Dietetics)	Merrilyn Banks (Nutrition and Dietetics), Tracy Comans , Ingrid Hickman (PAH)	Prevalence and impact of obesity in acute hospital setting
Alice Pender (Audiology)	Carla Rose (Audiology), Angela Chang , Tracy Comans	Patient outcomes following cochlear implant surgery

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Carla Rose (Audiology)	Alice Pender (Audiology), Angela Chang, Tracy Comans	Using telehealth to manage patients following cochlear implant surgery
Sue Laracy	Kristin Kirwan (OT), Angela Chang (CAHR) , Jenny Strong (OT)	Acute surgical business case 7 day service review
Giovanna Tornatore (OT)	Sue Laracy (OT), Angela Chang	Evaluating the impact of a 6-day occupational therapy model of care in an in-patient rehabilitation service
Kaitlyn Spalding (OT)	Kristin Kirwan (OT), Angela Chang	Positioning of the lower limb for the prevention and management of pressure injuries: a review of current practice
Sarah O'Reilly (OT)	Amber Jones (OT), Angela Chang	Investigating Current Practice in Management of Hypertrophic Burn Scars with Tape
Suzanne McGavin (Nuclear Medicine)	Toni Halligan (Medical Radiation Professionals), Travis Pearson (Nuclear Medicine), Angela Chang	Ultrasound guided radioisotope injections in Lymphoscintigraphy administered by Nuclear Medicine Scientists
Perry Judd (PT)	Paula Easton (Mackay Base Hospital), Michelle Cottrell (PT), Angela Chang	An audit of two methods of service delivery for Orthopaedic Physiotherapy Screening Clinic (OPSC) Assessments between RBWH & Mackay Hospital
Alexia Rohde (SP)	Linda Worrall, Erin Godecke, Robyn O'Halloran, Anna Farrell , Penni Burfein, Andrew Wong, Genevieve Skinner	Evidence-based identification of aphasia using a rational clinical examination approach
Leisa Turkington (SP)	Prof Liz Ward, Anna Farrell	Neurogenic dysphagia and sensory enhancement strategies
Nina Melloncelli (SCHHS, QUT)	Susie de Jersey , Adrian Barnett (QUT)	Gestational diabetes mellitus: Examining diversity in practices, impact of clinical guidelines and the implementation of a nutrition-led model of care
Jane Musial (Nutrition and Dietetics)	Mary Hannan-Jones (Nutrition and Dietetics), Adrienne Young (Nutrition and Dietetics), Susie de Jersey , Bonnie Lau, Robbie Mullins	Evaluation of combined QUT-RBWH diabetes clinic - patient and service outcomes
Hilary Jimmieson (Nutrition and Dietetics)	Clare Byrne, Susie de Jersey	Evaluation of the New Beginnings program
Carrie-Anne Lewis (Nutrition and Dietetics)	Ingrid Hickman (PAH), Susan de Jersey , Emma Osland, Siobhan Wallin, Lindsay Web (PAH), George Hopkins (Surgery), Blair Bowden (Surgery), Benjamin Dodd (Surgery), Viral Chikani (Endocrinology), Anthony Cheng (Surgery), Chung Kwun Won (Surgery), Kath Bradley (Surgery), Lara Maidment (Endocrinology)	Micronutrient and protein energy malnutrition outcomes in a weight loss surgery population

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Claire Dux (Nutrition and Dietetics)	Susie de Jersey , Emma Osland, Sandra Heydon (Surgery), Lindy Jeffree (Surgery)	Evaluation of the Transition Feeding Pathway on the Neurosurgery Ward
Maree Raymer	Patrick Swete Kelly (Physiotherapy), Tina Souvlis (Physiotherapy), Angela Chang	Consultation process to facilitate the development and trial of a workforce development pathway to support advanced musculoskeletal physiotherapy (AMP) roles

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Maree Raymer, Tracy Comans, Shaun O'Leary, Angela Chang , Lachlan Standfield, Dean Blond, Tania Cavanagh, David Smith.	RBWH Physiotherapy and OPSC and MDS	AusHSI Implementation Grant \$150 000	AusHSI Implementation Grant	\$75,000	\$150,000 (2016-2017)
Adrienne Young, Merrilyn Banks, Jan Hill, Jack Bell, Tracy Comans , Rhiannon Barnes	Dept of Nutrition and Dietetics	Malnutrition Models of Care	AusHSI	\$17,000	\$34,000 (2017-2018)
Susie de Jersey , Elizabeth Eakin, Shelley Wilkinson, Tracey Comans , Leonie Callaway, Claire Gardiner	Dept of Nutrition and Dietetics, Obstetric Medicine, Centre for Allied Health Research	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women	RBWH Foundation	\$19,512	\$39,024 (2017-2018)
Anna Farrell , Anna Rumbach, Stacey Verner-Wren, Robert Henderson, Nicole Hutchinson	Speech Pathology and Neurology	Patient and family carer experiences of dysphagia in Motor Neurone Disease	HP Research Grant	\$3,768	\$15,070 (2015-2017)

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Comans TA , Moretto N, Byrnes JB. Public Preferences for the Use of Taxation and Labelling Policy Measures to Combat Obesity in Young Children in Australia. International Journal of Environmental Research and Public Health (2017) 14(3), 324; doi:10.3390/ijerph14030324
Journal Article	Nguyen KH, Mulhern B, Lularatna S, Byrnes J, Moyle W, Comans T . Developing a dementia-specific health state classification system for a new preference-based instrument AD-5D. Health and Quality of Life Outcomes. (2017) 15(1), 21

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Comans TA , Mihala G, Sakzewski L, Boyd R, Scuffham PA. The cost effectiveness of a web-based multimodal therapy for unilateral cerebral palsy. The Mitii RCT; Develop Med & Child Neurology (2017) Jul;59(7):756-761. doi: 10.1111/dmcn.13414.
Journal Article	Chang AT , Gavaghan B, O'Leary S, McBride LJ, Raymer M. Do patients discharged from advanced practice physiotherapy-led clinics re-present to specialist medical services? Aust Health Rev. 2017 May 15. doi: 10.1071/AH16222
Journal Article	Stute M, Moretto N , Raymer M, Banks M, Buttrum P , Sam S, Bhagwat M, Comans T . Process to establish 11 primary contact allied health pathways in a public health service. Aust Health Rev. (2017) 9 May 2017. doi: 10.1071/AH16206
Journal Article	Pitt E, Gallegos D, Comans T , Cameron C and Thorton L. Exploring the influence of local food environments on food behaviours: a systematic review of qualitative literature; Public Health Nutrition (2017) Jun 7:1-13. doi: 10.1017/S1368980017001069.
Journal Article	Nix J & Comans TA . Home Quick – occupational therapy home visits using mhealth, to facilitate discharge from acute admission back to the community; International Journal of Telerehabilitation, (2017) Vol. 9 No. 1 Spring 2017
Journal Article	Mervin M, Barker B, Sealey C, Comans T . Introduction of the community rehabilitation Northern Queensland service; Asia Pacific Journal of Health Management. (2017) 12(1) 42
Journal Article	Pereira MJ, Johnston V, Straker LM, Sjøgaard G, Melloh M, O'Leary SP, Comans TA . An Investigation of Self-reported Health-related Productivity Loss in Office Workers and Associations With Individual and Work-related Factors Using an Employer's Perspective. Journal of Occupational and Environmental Medicine. (2017) Jun 5. doi: 10.1097/JOM.0000000000001043
Journal Article	Vecchio N, Radford K, Fitzgerald JA, Comans T , Harris P & Harris N. Intergenerational care: an exploration of consumer preferences and willingness to pay for care. Aging & Mental Health. 2017: 1-9.
Journal Article	Standfield LB, Comans TA and Scuffham PA. An empirical comparison of Markov cohort modeling and discrete event simulation in a capacity-constrained health care setting. European Journal of Health Economics. (2017)18(1) 33-47 DOI: 10.1007/s10198-015-0756-z
Journal Article	de Jersey S , Mallan K, Forster J, Daniels LA. A prospective study of breastfeeding intentions of healthy weight and overweight women as predictors of breastfeeding outcomes. Midwifery (2017) Oct;53:20-27
Journal Article	Comans T , Chang A , Knowles D, O'Leary S, Standfield L, Raymer M. The development and practical application of a simulation model to inform musculoskeletal service delivery in an Australian public health service. Operations Research for Health Care. early online https://doi.org/10.1016/j.orhc.2017.07.002
Journal Article	Standfield LB, Comans T , Scuffham P. A simulation of dementia epidemiology and resource use in Australia. Australian and New Zealand Journal of Public Health. (2017), doi:10.1111/1753-6405.12700
Journal Article	Sowa PM, Kault S, Byrnes J, Ng SK, Comans T , Scuffham PA. Private Health Insurance Incentives in Australia: In Search of Cost-Effective Adjustments. Applied Health Economics and Health Policy. 2017:1-1.
Journal Article	Caruana LR, Barnett AG, Tronstad O, Paratz JD, Chang AT, Fraser JF. Global tidal variations, regional distribution of ventilation, and the regional onset of filling determined by electrical impedance tomography: reproducibility. Anaesth Intensive Care. 2017 Mar;45(2):235-243

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Rohde, A. , Worrall, L., O'Halloran, Godecke, E., Farrell, A. (2017). Brisbane Evidence-Based Language Test, Brisbane EBLT: A new diagnostic test for the identification of acute post-stroke language disorders. Published Abstracts from the 5th International Society for Evidence-Based Healthcare Congress, British Medical Journal Open online, 7(1) dx.doi.org/10.1136/
Invited Oral	Comans TA , Padayachee A; Deeble Institute hospital avoidance think tank 23 May, Melbourne. An allied health led model of care for a rural hospital
Poster	Farrell A, Chang AT, Buttrum P , Banks M. How much time do allied health clinicians spend undertaking research? National Allied Health Conference, Sydney, August 2017
Oral	Chang AT , Gavaghan B, O'Leary S, McBride LJ, Raymer M. Do patients discharged from advanced practice physiotherapy-led clinics re-present to specialist medical services? National Allied Health Conference, Sydney, August 2017
Poster	Lewis CA, Hickman I, de Jersey S , Osland E. Does Bariatric Surgery cause Micronutrient Deficiency? A systematic review. Annual Scientific Meeting of the Australasian Society for Parenteral and Enteral Nutrition, November 2017
Poster	Meloncelli N, Barnett, A, de Jersey S . A multidisciplinary team survey of current practices for managing gestational diabetes in Australia. Combined Australasian Diabetes in Pregnancy Society and Society of Obstetric Medicine Australia and New Zealand Annual Scientific Meeting, October 2017.
Oral	Sam S , Stute M, Buttrum P , Moretto N , Bhagwat M , Banks M , Raymer M and Comans T . "Utility of a uniform data set for primary contact allied health clinics" National Allied Health Conference 2017, August, Sydney
Oral	Stute M , Sam S, Moretto N, Bhagwat M , Raymer M , Banks M , Buttrum P , Comans T "Evaluation of allied health led primary contact services: Interim results at 1 year" 2017 Health Services and Policy Research Conference; Gold Coast 1-3 November 2017



NUTRITION AND DIETETICS

Research vision

Our research vision is to be leaders in nutrition and dietetic research, with the overall aim of providing excellent and evidence-based services for the RBWH community. This is achieved through developing capacity within the department to support all dietitians to engage in research and evaluation, and building networks with researchers across RBWH, Metro North HHS and academic partners.

Benefits for patients

Our research agenda is based on improving the nutrition and health of our patients through knowledge generation and translation to ensure delivery of evidence-based nutrition care. Our research has led to enhanced prevention and treatment of malnutrition and pressure injuries. Recent work has focused on translating this evidence locally through nurse-led nutrition protocols and mealtime assistance programs and more broadly through implementing systematised interdisciplinary nutrition care across Queensland hospitals. For patients with a diagnosis of head and neck cancer, our research has identified that early supportive enteral nutrition intervention prevents nutritional decline, improves recovery and patient outcomes, and thus pre-treatment dietitian interventions are now routine practice. Our research has informed changes to routine antenatal care that has seen an increase in the advice being provided to women about healthy weight gain in pregnancy and a reduction in the proportion of women gaining excess weight, preventing future chronic disease in both the women and their children.

Achievements

In 2017, Nutrition and Dietetics has had one of its strongest years in research yet. The strong culture of research capacity building and support within our department was recognised with the department awarded Highly Commended (Research Support) at the MNHHS Research Excellence awards, with a further 11 research awards/prizes being awarded to our clinician-researchers at local, national and international conferences. In 2017, we were awarded funding in excess of \$425,000 in competitive research grants and scholarships, with 75% of these grants having an RBWH dietitian named as Chief Investigator. This year we published 22 peer-reviewed research papers and presented 22 oral and invited research presentations at national and international conferences. Dr Teresa Brown graduated from her PhD in September 2017, and Sarah Andersen and Carrie-Anne Lewis articulated from Masters of Philosophy to PhD in 2017 to extend their research in their specialist clinical areas.

Research collaborations

Our department has strong research networks within RBWH, Metro North HHS and beyond. Locally, we collaborate with Internal Medicine, Cancer Care, Gastroenterology and Hepatology, Womens and Newborn Services, and Nursing and Midwifery Services at the RBWH and other hospitals, including Princess Alexandra Hospital and The Prince Charles Hospital. We partner with universities to conduct research and supervise research students (undergraduate, Masters and PhD) including Queensland University of Technology, University of Queensland, Griffith University (including Research Centre of Excellence in Nursing); University of Sunshine Coast, Australian Catholic University, Queensland Institute of Medical Research, and Universities of Alberta and Waterloo in Canada. State-wide, national and international networks include: Australasian Society of Parental and Enteral Nutrition (AuSPEN); European Society of Clinical Nutrition and Metabolism (ESPEN), Australian and New Zealand Intensive Care Research Centre (ANZIC-RC).



SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Sarah Andersen	PhD, UQ (2015-2019)	Early nutrition support in patients undergoing BMT	Judy Bauer, Merrilyn Banks
Teresa Brown	PhD, UQ (2012-2017) Conferred September 2017	Optimising nutrition support in patients with head and neck cancer	Judy Bauer, Merrilyn Banks , Brett Hughes
Angela Byrnes	PhD, UQ (2015-2018)	Nutritional care and status of older surgical patients	Judy Bauer, Adrienne Young , Merrilyn Banks , Alison Mudge
Nerida Hart	PhD, QUT (2015-2018)	What makes a quality hospital foodservice?	Mary Hannan-Jones , Merrilyn Banks
Claire Nelson	PhD, QUT (2014-2018)	Investigation of nutrition status of community adults with lower leg wounds	Merrilyn Banks , Mary Hannan-Jones , Kathleen Findlayson
Quoc Quong Tran	PhD, QUT (2014-2018)	Nutritional status of patients in Vietnamese hospitals	Danielle Gallegos, Merrilyn Banks , Mary Hannan-Jones
Katrina Ridout	PhD, QUT (2016-2021)	Antenatal lifestyle intervention programs targeting healthy gestational weight gain and management: exploring the barriers and enablers to participation for women who are overweight or obese	Susie de Jersey , Danielle Gallegos, Shelley Wilkinson
Carrie-Anne Lewis	PhD, UQ (2016-2021)	Micronutrient and protein energy malnutrition outcomes in a bariatric surgery outpatient clinic	Ingrid Hickman, Susie de Jersey , Emma Osland
Nina Meloncelli	PhD, QUT (2016-2019)	Management of gestational diabetes: exploring practices, evidence base and models of care among the multidisciplinary team	Susie de Jersey , Adrian Barnett
Alvin Wong	PhD, UQ (2017-2020)	Cost effectiveness of nutrition support services	Merrilyn Banks , Judy Bauer
Joanne Roddick	PhD, UQ (2017-2023)	Nutrition throughout head and neck cancer treatment: patient experience and adherence, barriers and enablers to enteral feeding recommendations	Merrilyn Banks , Teresa Brown , Judy Bauer

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Merrilyn Banks	Adjunct Assoc Professor	Efficacy and cost effectiveness of nutrition in healing pressure ulcers	Queensland University of Technology (2012-current) University of Queensland (2012-current)
Adrienne Young	Research Coordinator, and Visiting Research Fellow	Nutrition in older adults	Queensland University of Technology (2013 – current)

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Susie de Jersey	Visiting Research Fellow, and Adjunct Senior Lecturer	Nutrition and weight gain in the perinatal and post- partum period	Queensland University of Technology (2013 – current) University of Sunshine Coast (2014-current)
Lynda Ross	Visiting Fellow	Healthy Eating and Lifestyle Program (HELP) intervention evaluation and follow up	Griffith University (2014-current)
Mary Hannan-Jones	Honorary Research Fellow	Improving quality of Food Services	Senior Lecturer, Queensland University of Technology (2014 – current)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Carrie-Anne Lewis	Ingrid Hickman (PAH), Susan de Jersey, Emma Osland, Siobhan Wallin , Lindsay Web (PAH), George Hopkins (Surgery), Blair Bowden (Surgery), Benjamin Dodd (Surgery), Viral Chikani (Endocrinology), Anthony Cheng (Surgery), Chung Kwun Won (Surgery), Kath Bradley (Surgery), Lara Maidment (Endocrinology)	Micronutrient and protein energy malnutrition outcomes in a weight loss surgery population
Siobhan Wallin	Carrie-Anne Lewis, Adrienne Young , Marzia Bell (QUT)	Pre-operative lifestyle intervention for patients undergoing bariatric surgery
Abi Marsh	Jessica Kinneally , Tayla Robertson (PAH), Adrienne Young , Graham Radford Smith (Gastroenterology), Anna McMahon (Gastroenterology), Karen Sewell (Gastroenterology), Larissa McKinnon (Gastroenterology)	Nutritional Status, Nutrition Impact Symptoms, and Food Avoidance Behaviours in Patients with Inflammatory Bowel Disease
Paula MacDermott	Chris Chapman-Kiddell, Lynda Ross (Griffith), Anita Pelecanos (QIMR), Graham Radford-Smith (Gastroenterology)	Is there any correlation between dietary patterns in Inflammatory Bowel Disorder and genetics pre-diagnosis?
Ally di Bella	Claire Blake, Adrienne Young , Anita Pelecanos (QIMR), Teresa Brown	Reliability of patient-led screening with the Malnutrition Screening Tool (MST): agreement between patient and health professional scores in the cancer care ambulatory setting
Teresa Brown	Merrilyn Banks , Brett Hughes (Cancer Care), Charles Lin (Cancer Care), Liz Kenny (Cancer Care), Judy Bauer (UQ)	A randomized comparison of early prophylactic feeding via gastrostomy versus standard care in high risk patients with head and neck cancer

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Teresa Brown	Merrilyn Banks , Brett Hughes (Cancer Care), Charles Lin (Cancer Care), Liz Kenny (Cancer Care), Judy Bauer (UQ)	Impact of non-adherence to swallow and nutrition guidelines for head and neck cancer
Teresa Brown	Kym Wittholz (UQ), Mandy Way (QIMR), Merrilyn Banks , Brett Hughes (Cancer Care), Charles Lin (Cancer Care), Liz Kenny (Cancer Care), Judy Bauer (UQ)	Investigation of p16 (HPV) status, chemotherapy regimen and other nutrition markers for predicting gastrostomy in patients with head and neck cancer
Claire Blake	Teresa Brown Rainbow Lai (UQ), Laura Moroney (SP), Jennifer Helios (SP), Brett Hughes (Cancer Care), Liz Kenny (Cancer Care), Anita Pelecanos (QIMR), Judy Bauer (UQ)	Nutrition outcomes and toxicities from tomotherapy in head and neck cancer patients
Claire Blake	Teresa Brown , Laura Moroney (SP), Jennifer Helios (SP), Brett Hughes (Cancer Care), Liz Kenny (Cancer Care), Anita Pelecanos (QIMR)	Enteral Nutrition outcomes and toxicities from tomotherapy in head and neck cancer patients
Teresa Brown	Aaron Chan (UQ), Kathleen Dwyer , Merrilyn Banks , Brett Hughes (Cancer Care), Judy Bauer (UQ), Charles Lin (Cancer Care), Liz Kenny (Cancer Care), Jane Crombie (Speech Path), Ann-Louise Spurgin (Speech Path)	Revalidation of swallow and nutrition guidelines in tomotherapy
Sarah Andersen	Merrilyn Banks , Glen Kennedy (Cancer Care), Teresa Brown, Nicholas Weber (Cancer Care), Judy Bauer (UQ)	Does early proactive enteral nutrition improve outcomes post allogeneic stem cell transplantation - A randomized comparison to standard care
Susie de Jersey	Leonie Callaway (UQ, WNBS), Lynda Ross (Griffith Uni), Taylor Guthrie , Jeanette Tyler (Women's and Newborn), Nickie Moreton (Women's and Newborn), Karen New (UQ, Women's and Newborn), Janelle Laws (Women's and Newborn)	Evaluation of workforce training to support Healthy Pregnancy Healthy Baby

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Susie de Jersey	Leonie Callaway (UQ, WNBS), Taylor Guthrie , Jeanette Tyler (Women's and Newborn), Nickie Moreton (Women's and Newborn), Karen New (UQ, Women's and Newborn)	Efficacy of a low intensity consumer held pregnancy weight monitoring tool to prevent excess gestational weight gain
Susie de Jersey	Elizabeth Eakin (UQ, SPH), Shelley Wilkinson (Mater), Tracy Comans (CAHR), Leonie Callaway (UQ, WNBS), Claire Gardiner , Hilary Jimmieson , Taylor Guthrie	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women
Angela Byrnes	Adrienne Young , Merrilyn Banks , Alison Mudge (IMS), Judy Bauer (UQ)	Investigating the nutritional status and care of older (≥ 65 years) patients on two general surgical wards: A multiphase, action research study
Claire Blake	Merrilyn Banks , Mark Appleyard (Gastroenterology)	Cost effectiveness of Dietitian-led PEG service
Jane Musial	Mary Hannan-Jones , Adrienne Young , Susie de Jersey , Bonnie Lau, Robbie Mullins, Andrea Cawte	Evaluation of combined QUT-RBWH diabetes clinic - patient and service outcomes
Susie de Jersey	Natasha Lorenzen , Taylor Guthrie	Gestational Diabetes Service Nutrition Practice Guidelines and Outcomes clinical audit
Hilary Jimmieson	Clare Byrne , Susie de Jersey	Evaluation of the New Beginnings program
Hilary Jimmieson	Adrienne Young	New Group Model of Care for low salt dietary education for Chronic Kidney Disease patients.
Claire Gardiner	Carrie-anne Lewis , Clare Byrne , Adrienne Young	Evaluation of the Acute Eating Disorder Dietitian role
Claire Blake, Emma Osland	Kay Lasenby (Gastroenterology)	Service evaluation of the management of complex nutrition patients (PEN PALS Project)
Ally di Bella	Merrilyn Banks , Tracy Comans (CAHR), Ingrid Hickman (PAH), Donna Hickman (TPCH)	Prevalence and impact of obesity in acute hospital setting
Ally di Bella	Winnie Soo Yii Tan (QUT), Merrilyn Banks , Tracy Comans (CAHR), Ingrid Hickman (PAH), Donna Hickman (TPCH)	Cost of obesity in the acute hospital setting
Ally di Bella	Emilie Croisier (UQ), Claire Blake , Teresa Brown , Anita Pelecanos (QIMR), Judy Bauer (UQ)	Assessing the validity of patient self-administered screening using the Malnutrition Screening Tool (MST) in oncology outpatients in a cross-sectional observational study
Claire Dux	Susie de Jersey , Emma Osland , Sandra Heaydon (Surgery), Lindy Jeffree (Surgery), ShuChui (Amanda) Lim (QUT)	Evaluation of the Transition Feeding Pathway on the Neurosurgery Ward

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Adrienne Young	Carrie-Anne Lewis, Merrilyn Banks, Theresa Pen Yei Kwek (QUT), Ka Man Lau (QUT)	Evaluation of the impact of the Seven Day Nutrition Action Care plan on nutritional intake and care practices
Angela Byrnes	Amanda Lowe, Siobhan Wallin, Adrienne Young	ERAS in surgical wards: audit of current practice to inform improvement of perioperative nutrition care
Joanne Roddick	Teresa Brown, Merrilyn Banks, Judy Bauer (UQ)	Patient Experience of Nutrition Care across three treatment modalities for the management of head and neck cancer.
Adrienne Young	Merrilyn Banks, Tayla Robertson (PAH), Jo Roddick, Kate Morgan, Danielle Gallegos (QUT), Angela Byrnes	Nutritional care in hospital: What is the patient experience?
Claire Blake	Teresa Brown	Evaluation of pre-treatment model of care in patients with head and neck cancer
Robin Hay		Evaluation of Healthy Eating and Lifestyle Program (HELP) telehealth clinic
Kate Morgan	Adrienne Young	Evaluation of nutrition and dietetics services to in-centre haemodialysis patients
Jen Ellick	Christine Eadeh, Michaela Hatzirodos, Claire Dux, Merrilyn Banks, Adrienne Young	Evaluation of the implementation of Delegate electronic patient meal management system
Adrienne Young	Claire Dux, Gai Harrison (Social Work), Maria Walls, Rachana Naidu, Raje Badwa, Jess Fry, Liliana Zapta, Carrie-Anne Lewis, Merrilyn Banks	Evaluation of the value of dietetic assistant role from the DA patient and staff perspective
Angela Byrnes	Mikeala Wheeler (UQ), Adrienne Young, Amanda Lowe, Judy Bauer (UQ)	Exploring patient's experience of perioperative nutrition education and care when undergoing elective colorectal surgery
Amanda Lowe	Emma Osland, Craig Harris (Surgery), David Taylor (Surgery)	Examination of nutrition care and support practices for patients having pelvic exenteration surgery

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Melissa Eastgate (Cancer Care)	David Wyld (Cancer Care), Teresa Brown, Shu Fen Lee (Cancer care)	Patient perceptions of diet and cancer – survey of cancer care patients

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Alison Mudge (IMS)	Merrilyn Banks , Adrian Barnett (QUT), Irene Blackberry (Latrobe), Ann Chang (QUT), Nick Graves (QUT), Ruth Hubbard (UQ), Sharon Inouye (Harvard), Sue Kurrle (Uni of Sydney), Kwan Lim (Uni of Melbourne), Prue McRae (IMS), Nancye Peel (UQ), Adrienne Young	CHERISH Collaborative for Hospitalised Elders: Reducing the Impact of Stays in Hospital
Priya Cherian (Radiology)	Claire Blake , Mark Appleyard (Gastro), Nigel Mott (DMI), David Smith (QIMR)	Radiologically inserted gastrostomy (RIG) an Interventional Radiology Procedure that promotes high value healthcare
Lynda Ross (Griffith)	Robin Hay, Angela Byrnes , Keanne Langston (Griffith)	Healthy Eating and Lifestyle Program (HELP) intervention evaluation and follow up
Annette Collins (speech pathology)	Clare Burns (Speech Pathology), Claire Blake , Jane Crombie (Speech Pathology), Liz Kenny (Cancer Care), Phil Greenup, Daniel Best (Telehealth), Liz Ward (UQ)	In home model of care telehealth for head and neck post-treatment - efficiency and efficacy
Judy Bauer (UQ)	Teresa Brown, Merrilyn Banks , Brett Hughes (Cancer Care), Charles Lin (Cancer care), Liz Kenny (Cancer Care), Louise Campbell (Qld PET Service)	Comparison of body composition methods in head and neck cancer patients undergoing chemoradiotherapy – PET-CT vs BIA
Jude Maher, Lauren Hurst (USC)	Susan de Jersey	Health priorities of women during pregnancy: A discrete choice experiment
Jude Maher (USC)	Susan de Jersey ; Gary Slater (USC), Chris Askew (USC), Elizabeth Swanepoel (USC), Nina Melloncelli (SCHHS)	The CHANGE study (body Composition, pHysical Activity, pregNancy, enerGy metabolism, diEt); Investigating womens' body composition change during pregnancy
Loris Pironi (Home Artificial Nutrition Group, ESPEN)	Emma Osland	International benchmarking of Home Parenteral Nutrition service provision and validation of ESPEN chronic intestinal failure classifications.
Louise Cooney (PAH)	Teresa Brown , Louise Elvin-Walsh (PAH), Eliza Kern, Suzie Ahern , David Smith (QIMR), Liz Kenny (Cancer Care), Brett Hughes (Cancer Care), Sandro Porceddu (PAH), Ingrid Hickman (PAH), Bena Cartmill (PAH)	Comparison of nutrition and clinical outcomes in H&N cancer patients following reactive and proactive nutrition support approaches
Leah Gramlich (University of Alberta), Merran Findlay (RPAH), Liz Isenring (Bond Uni), Judy Bauer (UQ)	Merrilyn Banks, Joanne Roddick, Siobhan Wallin	International Audit of Nutrition Care in Patients with FORegut TuMors (INFORM)

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Jack Bell (TPCH)	Adrienne Young, Marilyn Banks, Tracy Comans (Centre for Allied Health, UQ), Jan Hill	The SIMPLE Approach: Systematised, Interdisciplinary Malnutrition Program Implementation and Evaluation
Shelley Roberts (Griffith)	Andrea Marshall (Griffith), Merrilyn Banks, Alan Spencer (GCUH), Zane Hopper (GCUH), Adrienne Young, Ruben Gonzales (Griffith), Wendy Chaboyer (Griffith)	Using technology to engage patients in their nutrition care: a pilot study
Alison Mudge (IMS)	Ruth Hubbard (UQ), Adrienne Young, Len Gray (UQ), Elizabeth Whiting (MNHHS), Elizabeth Beattie (QUT), Fred Graham (PAH), Merrilyn Banks, Prue McRae (IMS)	Older Person Friendly Hospital: Understanding barriers and enablers for care in Brisbane hospitals
Judy Bauer (UQ)	Nathan Baldwin (UQ), Merran Findlay (Sydney), Teresa Brown	Evaluation of implementation, enablers and barriers for the Evidence-based- guidelines for the nutritional management of adult patients with head and neck cancer.
Nina Melloncelli (SCHHS, QUT)	Susie de Jersey, Adrian Barnett (QUT)	Gestational diabetes mellitus: Examining diversity in practices, impact of clinical guidelines and the implementation of a nutrition-led model of care
Ray Chan (Cancer Care)	Alex Molassiotis (Hong Kong), Patsy Yates (QUT), Gillian Nasato (Cancer Care), Teresa Brown, Elise Button (Cancer Care), Andrea Marshall (Griffith), Liz Isenring (Bond University), David Wyld (Cancer Care), Melissa Eastgate (Cancer Care), Nicole Gavin (Cancer Care)	A patient-family-centred intervention to promote nutrition in advanced cancer patients: a pilot randomised controlled trial
Samantha Olenski (IMS)	Alison Mudge (IMS), Adrienne Young, Prue McRae (IMS), Kimberley Mallan (ACU), Zoe Walsh (CISS), Jill Ross (CISS), Alanna Geary (Nursing and Midwifery)	Developing and validating a novel survey to identify barriers and enablers to improving nutrition care in acute and subacute inpatient settings
Quoc Qong Tran (QUT)	Danielle Gallegos (QUT), Merrilyn Banks, Mary Hannan-Jones (QUT)	Nutritional status of patients in Vietnamese hospitals
Nerida Hart (QUT)	Mary Hannan-Jones (QUT), Merrilyn Banks	What makes a quality foodservice system?
Claire Nelson (QUT)	Merrilyn Banks, Mary Hannan-Jones (QUT), Kathleen Findlayson	Nutritional status of community dwelling individuals with chronic leg wounds
Alvin Wong (UQ)	Merrilyn Banks, Judy Bauer (UQ)	Cost effectiveness of nutrition support services

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Susan de Jersey	RBWH Foundation 2017 Royal Alumni Research Encouragement Award	RBWH and RBWH Foundation Research Grant Awards, 28th February 2017
Angela Byrnes, Adrienne Young, Alison Mudge, Merrilyn Banks, Judy Bauer	International Poster of Distinction	American Society of Parenteral and Enteral Nutrition Clinical Nutrition Week, 18-21 February 2017.
RBWH Nutrition and Dietetics Research Team	Highly Commended, Research Support	MNHHS Research Excellence Awards, 26th May 2017
Obstetric Medicine Research Team (incl Susie de Jersey)	Winner, Complex Health Problems	MNHHS Research Excellence Awards, 26th May 2017
Sarah Andersen	Winner, Evidence-based practice prize	DAA national conference, 18-20th May, 2017
Hilary Chang (QUT), Phil Juffs, Ros Shepherd	Best Novice Researcher Poster	DAA national conference, 18-20th May, 2017
Teresa Brown	Winner, Translation in Practice	CAHRLI, 6th June 2017
Angela Byrnes	Early Career Researcher	RBWH Symposium 12-14th September 2017
Angela Byrnes	Best Poster	Dietitians Association of Australia Queensland Symposium 14th July 2017
Joanne Roddick	Overall Winner	My Translation Rules Annual Showcase 14th November 2017
Carrie-Anne Lewis	Best New Presenter	My Translation Rules Annual Showcase 14th November 2017
Teresa Brown	Best Allied Health/ Nursing Oral Presentation	Australian & New Zealand Head and Neck Society Annual Scientific Meeting, 12-14 October 2017

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Carrie-Anne Lewis	Nutrition and Dietetics	Post-graduate research scholarship	RBWH Foundation	\$16,942	\$33,884 (2017 – 2018)
Sarah Andersen	Nutrition and Dietetics	Post-graduate research scholarship	RBWH Foundation	\$16,942	\$25,000 (2017 – 2018)
Adrienne Young, Merrilyn Banks, Jan Hill, Jack Bell, Tracy Comans, Rhiannon Barnes	Dept of Nutrition and Dietetics,	Malnutrition Models of Care	AusHSI	\$17,000	\$34,000 (2017 – 2018)
Adrienne Young, Angela Byrnes	Dept of Nutrition and Dietetics	Local practice in relation to nutritional care of older (≥ 65 years) surgical patients	RBWH Foundation	\$10,124.89	\$20,249.78 (2017 – 2018)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Kimberley Mallan, Susan de Jersey , Lynne Daniels	Dept of Nutrition and Dietetic,	A targeted approach to obesity prevention in children: Tracking the development of obesogenic behaviours from 0-6 years.	Australian Catholic University Health Sciences Faculty Research Project Grant	\$21,895	\$21,895 (2017)
Susie de Jersey , Elizabeth Eakin , Shelley Wilkinson, Tracey Comans , Leonie Callaway , Claire Gardiner	Dept of Nutrition and Dietetics, Obstetric Medicine, Centre for Allied Health Research	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women	RBWH Foundation	\$19,512	\$39,024 (2017 – 2018)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Banks M , Hannan-Jones M, Ross L, Buckley A, Ellick J , Young A . Measuring the quality of hospital food services: Development and reliability of a Meal Quality Audit Tool. Nutrition and Dietetics. 2017;74:147-57
Journal Article	Brown TE , Banks MD , Hughes BGM, Lin CY, Kenny LM, Bauer JD. Randomised controlled trial of early prophylactic feeding vs standard care in patients with head and neck cancer. Br J Cancer. 2017. DOI:10.1038/bjc.2017.138
Journal Article	Brown T , Banks M , Hughes BGM, Lin C, Kenny LM, Bauer JD. Impact of early prophylactic feeding on long term tube dependency outcomes in patients with head and neck cancer. Oral Oncology 2017; 72: 17-25.
Journal Article	Brown T , Banks M , Hughes BGM, Lin C, Kenny L, Bauer J. Tube feeding during treatment for head and neck cancer – Adherence and patient reported barriers. Oral Oncology 2017; 72 : 140-9.
Journal Article	de Jersey S , J, Mallan KM, Callaway LK, Daniels LA, Nicholson JM. Prospective Relationships between Health Cognitions and Excess Gestational Weight Gain in a Cohort of Healthy and Overweight Pregnant Women. Journal of the Academy of Nutrition and Dietetics. 2017. http://dx.doi.org/10.1016/j.jand.2016.12.011
Journal Article	de Jersey SJ , Mallan K, Forster J, Daniels LA. A prospective study of breastfeeding intentions of healthy weight and overweight women as predictors of breastfeeding outcomes. Midwifery 2017; 53: 20-27.
Journal Article	Marshall S, Young A , Isenring E. The Malnutrition Screening Tool in Geriatric Rehabilitation: A Comparison of Validity When Completed by Health Professionals With and Without Malnutrition Screening Training Has Implications for Practice. Journal of the Academy of Nutrition and Dietetics. 2017 https://doi.org/10.1016/j.jand.2017.03.019
Journal article	Mudge AM, Banks MD , Barnett AG, Blackberry I, Graves N, Green T, et al. CHERISH (collaboration for hospitalised elders reducing the impact of stays in hospital): protocol for a multi-site improvement program to reduce geriatric syndromes in older inpatients. BMC Geriatrics. 2017;17(1):11
Journal article	Newman CS, Cornwell PL, Young AM , Ward EC, McErlain AL. Accuracy and confidence of allied health assistants administering the subjective global assessment on inpatients in a rural setting: a preliminary feasibility study. Nutr Diet. 2017. doi: 10.1111/1747-0080.12370.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Osland E , Yunus RM, Khan S, Memon B, Memon MA. Weight loss outcomes in laparoscopic vertical sleeve gastrectomy (LVSG) versus laparoscopic Roux-en-Y gastric bypass (LRYGB) procedures: a meta-analysis and systematic review of randomized controlled trials. <i>Surgical Laparoscopy, Endoscopy & Percutaneous Techniques</i> . 2017;27(1):8-18
Journal article	Roberts S, McInnes E, Bucknall T, Wallis M, Banks M , Chaboyer W. Process evaluation of a cluster-randomised trial testing a pressure ulcer prevention care bundle: a mixed-methods study. <i>Implementation Science</i> . 2017; 12(1):18-27
Journal article	Roberts S, Wallis M, McInnes E, Bucknall T, Banks M , Ball L, et al. Patients' Perceptions of a Pressure Ulcer Prevention Care Bundle in Hospital: A Qualitative Descriptive Study to Guide Evidence-Based Practice. <i>Worldviews on Evidence-Based Nursing</i> . 2017 doi 10.1111/wvn.12226
Journal article	Stute M, Moretto N, Raymer M, Banks M , Buttrum P, Sam S, et al. Process to establish 11 primary contact allied health pathways in a public health service. <i>Australian Health Review</i> . 2017 http://dx.doi.org/10.1071/AH16206
Journal article	Young A . The effectiveness of protected mealtimes in hospital remains unclear. <i>Evidence Based Nursing</i> . 2017;20(3):86
Journal article	Whitty JA, McInnes E, Bucknall T, Webster J, Gillespie BM, Banks M , et al. The cost-effectiveness of a patient centred pressure ulcer prevention care bundle: findings from the INTACT cluster randomised trial. <i>International Journal of Nursing Studies</i> . 2017 https://doi.org/10.1016/j.ijnurstu.2017.06.014
Journal article	Marshall S, Agarwal E, Young A , Isenring E. Role of domiciliary and family carers in individualised nutrition support for older adults living in the community. <i>Maturitas</i> . 2017;98:20-9
Journal article	Wong A, Goh G, Banks M , Bauer J. A Systematic Review of the Cost and Economic Outcomes of Home Enteral Nutrition. <i>Clinical Nutrition</i> . 2017. https://doi.org/10.1016/j.clnu.2017.06.019
Journal article	Osland E . Consideration of the presence of inflammation is essential for interpretation of serum micronutrient results. <i>Diabet Med</i> . 2017 doi: 10.1111/dme.13405
Journal article	Phan KA, Dux CM , Osland EJ and Reade MC "Effect of hypocaloric normoprotein or trophic feeding versus target full enteral feeding on patient outcomes in critically ill adults: a systematic review." <i>Anaesth Intensive Care</i> 2017 45: 663-675.
Journal article	Collins A, Burns CL, Ward EC, Comans T, Blake C , Kenny L, Greenup P and Best D "Home-based telehealth service for swallowing and nutrition management following head and neck cancer treatment." <i>Journal of Telemedicine and Telecare</i> 2017 23(10): 866-872.
Journal article	Byrnes A , Banks M , Mudge A , Young A , Bauer J. Enhanced Recovery After Surgery as an auditing framework for identifying improvements to perioperative nutrition care of older surgical patients. <i>Eur J Clin Nutr</i> 2017;10.1038/s41430-017-0049-y.
Journal article	Young AM , Banks MD , Mudge AM . Improving nutrition care and intake for older hospital patients through system-level dietary and mealtime interventions. <i>Clinical Nutrition ESPEN</i> 2017;10.1016/j.clnesp.2017.12.009.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Byrnes A , Young A , Banks M , Mudge A, Bauer J. Hand grip strength alone is not an accurate indicator of malnutrition in older patients before, during or after admission to surgical wards. American Society of Parenteral and Enteral Nutrition Clinical Nutrition Week, February 2017.
Oral	Young A , de Jersey M , Banks M . Utilising students to increase research capacity: a case study from Royal Brisbane and Women's Hospital. Dietitians Association of Australia. May 2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Phan K, Osland E . To feed or not to feed? The effect of intentional underfeeding versus full target feeding on patient outcomes in the ICU: a systematic review Dietitians Association of Australia. May 2017
Oral	Newman C, Young A , Cornwell P, Ward E, McErlain A. Training allied health assistants to accurately complete Subjective Global Assessments: can it be done? Dietitians Association of Australia. May 2017.
Oral	Jennings C, Young A . Nutrition screening is a must for geriatric rehabilitation: feeding dependency score does not accurately identify malnutrition Dietitians Association of Australia. May 2017.
Oral	Hurst L, Maher J, Swanepoel E, de Jersey S , Dunn PK. A discrete choice experiment: a pilot study eliciting the health priorities of women during pregnancy. Dietitians Association of Australia. May 2017.
Oral	Ellick J, Eadeh C, Juffs P, Banks M . Digital meal management: the RBWH experience. Dietitians Association of Australia. May 2017.
Oral	Eadeh C, Ellick J, Lewis CA, Byrne C, Kinneally J . Implementing a delegation model of care: change is hard. Dietitians Association of Australia. May 2017.
Oral	Byrnes A, Young A , Mudge A, Banks M , Bauer J. Hand grip strength alone is not an accurate indicator of malnutrition in older patients before, during or after admission to surgical wards. Dietitians Association of Australia. May 2017.
Oral	Byrne C, Jimmieson H , Ward N, Young A, de Jersey S . Poor attendance at group-based interventions for pregnancy weight management - does location and timing matter? Dietitians Association of Australia. May 2017.
Poster	Musial J , Leung WY, Mullins R. An alternative pathway for patients with t2dm through a new partnership between RBWH and QUT health clinics Dietitians Association of Australia. May 2017.
Poster	Leung WY, Musial J , Mullins R, Hannan-Jones M . Evaluation of inter-professional learning and service delivery in the pilot combined RBWH QUT Health Clinic Diabetes Model of Care. Dietitians Association of Australia. May 2017.
Poster	Jimmieson H, Byrne C , Ward N, Young A, de Jersey S . Poor referral and completion of new dietary intervention targeting high maternal weight and excessive weight gain in pregnancy, does weight play a role? Dietitians Association of Australia. May 2017.
Poster	Chang HU, Juffs P, Shepherd R . Novel survey methodology to assess foodservice satisfaction-the old ways are still the best, for now. Dietitians Association of Australia. May 2017.
Poster	Byrnes A, Young A , Mudge A, Banks M , Bauer J. Challenges in collecting patient 24-hour food and fluid intake in an acute surgical setting. Dietitians Association of Australia. May 2017.
Oral	Bell J, Young A, Banks M , Comans T, Hill J, Barnes R, Keller H. Early adopter uptake of delegated nutrition care processes - a cross sectional audit of current practice. National Allied Health Conference. August 2017
Oral	Gardiner C, Lewis CA, Young A, Byrne C, Ellick J The Challenges of Nutritional Management of Acute Eating Disorder Patients in the General Medical setting Australian and New Zealand Academy of Eating Disorders Conference. August 2017
Oral	Moon J, Roe J, Rae L, Hamilton J, Arnott J, Demmitt C, Eadeh C . Outcomes of a dedicated specialist multidisciplinary team in prevention of hospital acquired pressure injuries and malnutrition in an acute hospital setting: a pilot project. European Pressure Ulcer Advisory Panel Conference. Sept 2017.
Oral	Marsh A, Kinneally J . Lord A, Young A , Radford-Smith G. Exploring food avoidance behaviours in outpatients with Inflammatory Bowel Disease: who, what and why. Australian Gastroenterology Week. August 2017.
Poster	Musial J , Mullins R. The Combined RBWH-QUT Model of Care for Patients with Type 2 Diabetes. Health Roundtable Innovation Awards. July 2017.
Oral	Young A , Mudge A, McRae P, Banks M . Eat Walk Engage: Improving nutritional care and intake of hospitalised elders. International Association of Geriatrics and Gerontology, July 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Young A , Bell J, Comans T, Hill J , Barnes R, Keller H, Banks M Shifting the focus of malnutrition models of care: The SIMPLE Approach. Health Services and Policy Research Conference, November 2017
Oral	Young A , Bell J, Comans T, Hill J , Barnes R, Keller H, Banks M Facilitation in action: case example from implementing “The SIMPLE Approach”. Health Services and Policy Research Conference, November 2017
Oral	Andersen S , Weber N, Brown T , Kennedy G, Banks M , Bauer J. Tolerability of early enteral nutrition post allogeneic stem cell transplantation - a randomised comparison to standard care. Annual Scientific Meeting of the Australasian Society for Parenteral and Enteral Nutrition, November 2017
Poster	Di Bella A , Croisier E, Blake C , Pelecanos A, Brown T . Assessing the Validity of patient-led screening using the Malnutrition Screening Tool (MST) in the cancer care ambulatory setting. Annual Scientific Meeting of the Australasian Society for Parenteral and Enteral Nutrition, November 2017
Poster	Di Bella A , Blake C , Young A , Pelecanos A, Brown T . Reliability of patient-led screening with the Malnutrition Screening Tool (MST) : Agreement between patient and health professional scores in the cancer care ambulatory setting. Clinical Oncology Society of Australia Annual Scientific Meeting November 2017
Poster	Lewis CA , Hickman I, de Jersey S , Osland E . Does Bariatric Surgery cause Micronutrient Deficiency? A systematic review. Annual Scientific Meeting of the Australasian Society for Parenteral and Enteral Nutrition, November 2017
Oral	Langston KC, Hay R , Byrnes A , Ross LR Healthy Eating and Lifestyle Program (HELP): Gender differences in a two-year state-wide evaluation . Asia Pacific Conference on Clinical Nutrition, November 2017
Oral	Byrnes A , Young A , Mudge A, Banks M , Bauer J. EXploring practice gaps to improve PERIoperative Nutrition Care of the Elderly (EXPERIENCE Study). Asia Pacific Conference for Clinical Nutrition, November 2017.
Oral	Brown T , Banks M , Hughes B, Lin C, Kenny L, Bauer J. Adherence and barriers to tube feeding during treatment for head and neck cancer – results from a RCT. Australia and New Zealand Head and Neck Cancer Society ASM, October 2017
Oral	Brown T , Banks M , Hughes B, Lin C, Kenny L, Bauer J. Impact of early prophylactic feeding on long term tube dependency outcomes in patients with head and neck cancer. Australia and New Zealand Head and Neck Cancer Society ASM, October 2017
Poster	Meloncelli N, Barnett, A, de Jersey S . A multidisciplinary team survey of current practices for managing gestational diabetes in Australia. Combined Australasian Diabetes in Pregnancy Society and Society of Obstetric Medicine Australia and New Zealand Annual Scientific Meeting, October 2017.
Oral	Blake C , Brown T , Moroney L, Pelecanos A, Helios J, Kenny L, Hughes B. Enteral nutrition support and treatment toxicities in patients with head and neck cancer receiving helical intensity-modulated radiotherapy with concurrent chemotherapy. Annual Scientific Meeting of the Australasian Society for Parenteral and Enteral Nutrition, November 2017

OTHER COMMUNICATIONS AND OUTPUTS:

Workshop	Baker S, Cotta MO, Druery M, Dux C , Paratz J, Thomas P. A Patient’s Journey through Septic Shock, the Contribution of the Allied Health Team. 42nd Australian and New Zealand Annual Scientific Meeting on Intensive Care and the 23rd Annual Paediatric and Neonatal Intensive Care Conference, October 2017.
Workshop	Stack A, Bell K, Musial J , Kentisch J. Getting dietitians ahead of the curve: the art and science of managing Type 1 Diabetes. Dietitians Association of Australia. May 2017.
Workshop	Brown T. Nutritional management for patients with head and neck cancer: current evidence and patient barriers to care. Nutrition & Cancer Masterclass for Nurses, Clinical Oncology Society of Australia Annual Scientific Meeting, November 2017
Workshop	Cruickshank D, Litzow T. Food Allergen Management: Best Practice or Best of Luck. Institute of Hospitality in Healthcare Conference, October 2017.

OCCUPATIONAL THERAPY

Occupational Therapy, RBWH aims to apply research and evidence in daily practice to maximise patient outcomes. Every day, Occupational Therapists engage in reflective practice, and actively seek out evidence to answer clinical questions generated by their practice. Staff are encouraged to identify and develop service improvement activities whilst exploring the possibility of completion of research higher degrees. Criteria were established in 2017 to target Occupational Therapy research activity to ensure strategic alignment with Metro North and RBWH priorities, scientific rigour, impact and feasibility.

Occupational Therapy has continued to gain momentum during 2017 through a number of initiatives;

1. Integration of research activities into operational planning
2. Establishment of a dedicated research co-ordinator role
3. Appointment of an eminent Occupational Therapist to the inaugural research co-ordinator role : Emeritus Professor Jennifer Strong
4. The integration of project methodology into research activities
5. Collaboration with The RBWH Foundation to facilitate fundraising for the purposes of research

Other achievements in 2017 include :

- Appointment of an Honorary associate lecturer at the University of Queensland
- Appointment of a Senior lecturer , ACU
- Five presentations at National Occupational Therapy Conference, Perth 2017
- Two presentations at the National Australia and New Zealand Burns Conference, Adelaide 2017
- Four International presentations on Pain related topics

Looking forward to the future, key directions for 2018 will include expanding post graduate research opportunities within the RBWH Occupational Therapy team, exploring research grants and supporting the clinicians who have undertaken a research higher degree. The opening of the 120 bed specialist rehabilitation and ambulatory care centre in 2020 at Herston has been and will continue to drive the breadth of topics warranting investigation.

The benefits of a fully realised research culture for RBWH Occupational Therapy will be every patient receives the most appropriate , contemporary occupational therapy services every time.



SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Nicole Coghlan	Masters of Philosophy UQ (2015 - 2018)	Patient experiences of wearing compression garments post burn injury	Jenny Strong , Jodie Copley, Tammy Aplin, Sue Laracy
Andrea Mc Kittrick	PhD UQ (2018 - 2023)	Outcome measures for hand burn injuries	Louise Gustaffson, Jenny Strong
Erin Molloy	Master of Philosophy UQ (2018 – 2020)	Sensory sensitivity and adherence with compression garments after burn injuries	Jenny Strong , Pam Meredith
Karl Bagraith	PhD UQ (2009-2017)	International Classification of Functioning (ICF) and chronic pain patients	Pam Meredith, Jenny Strong , Steve McPhail

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Nicole Andrews	Honorary Lecturer RBWH Postdoctoral Research Fellow	School of Health and Rehabilitation Sciences Towards understanding how much activity is too much for individuals with chronic pain	The University of Queensland (2015 - 2017)
Jenny Strong	Emeritus Professor Adjunct Professor	School of Health and Rehabilitation Sciences School of Health, Medical & Applied Sciences	The University of Queensland (2016 ongoing) Central Queensland University (2017 onwards)
Michelle Donovan	Honorary Associate lecturer	School of Health & Rehabilitation Sciences	The University of Queensland (2017-2020)
Andrea Mc Kittrick	Senior Lecturer	School of Occupational Therapy	Australian Catholic University (2013-present)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Tennille Rowland	Sue Laracy, Giovanna Tornatore, Beverley Lewis, Simon Finnigan (UQCCR)	Occupational therapy stroke audit: Measuring compliance of occupational therapy practice with evidence-based guidelines
Sue Laracy	Cate Fitzgerald (QHealth), Meryll Turpin (UQ), Beverley Lewis	Supporting the transition to practice of new graduate occupational therapist using a clinical education framework.
Kirsten Cook	Sue Laracy , Simon Finnigan (UQCCR)	Evaluation of the Primary Contact Occupational Therapy Hands Pathway in the Treatment of Carpal Tunnel Syndrome ; statewide

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Nicole Coghlan	Jenny Strong, Jodie Copley (UQ),	Patient experiences of wearing compression garments post burn injury
Nicole Andrews	Tammy Aplin (UQ), Sue Laracy	Towards understanding how much is too much for individuals with chronic pain
Nicole Andrews	Sue Laracy	Evaluation of occupational therapy interventions within the orthopaedic physiotherapy screening clinic
Michelle Donovan	Sue Laracy	Interim Pressure Garment Therapy: An investigation into the use of low level pressure therapy for burns donor site support and scar management.
Sarah Kekki	Giovanna Tornatore , Chris Barr (Flinders Uni)	What is the current level of Occupational Therapy upper limb practice intensity in an inpatient rehabilitation unit for stroke patients? An observational study.
Sarah O'Reilly	Amber Jones , Angela Chang (CAHR)	Scar taping with elastic based tapes
Sue Laracy	Kristin Kirwan , Angela Chang (CAHR), Jenny Strong	Acute surgical business case 7 day service review
Kaitlyn Spalding	Kristin Kirwan , Angela Chang (CAHR)	Positioning of the lower limb for the prevention and management of pressure injuries: a review of current practice
Giovanna Tornatore	Sue Laracy , Angela Chang (CAHR)	What is the impact of a 6 day occupational therapy model of care in an in-patient rehabilitation service?
Robyn Scheer	Nicole Andrews , Erin Molloy	The effect of limb position on leg circumference measurements in patients diagnosed with lower limb lymphoedema.
Celeste Glasgow	Sue Laracy , Cherie Aceto	What is the most effective orthosis for improving PIP joint extension following hand trauma? A RCT

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Emma Schleiger (UQCCR)	Simon Finnigan (UQCCR), Andrew Wong (Neurology), Stephen Read (Neurology), Tennille Rowland	Quantitative EEG in Stroke: Role of Quantitative EEG in diagnosis, prognostication and management of acute stroke.
Shanithi Kanagarajah	Sue Laracy , Kana Appadurai (Geriatrics), Kathleen Richter (Nursing), Gisela Brittain	Hospital Wide clinician led audit of patients requiring sub acute care in a large tertiary hospital
Lynn DeBar (Kaiser Permanente Centre for Health Research, Portland, USA) Meghan Mayhew (Kaiser Permanente Centre for Health Research, Portland, USA)	Nicole Andrews	PPACT Administrative Supplement for Research on Sleep Disturbances and Impact on Chronic Pain

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Jenny Strong	Fellow of the Occupational Therapy Australia Research Academy	Occupational Therapy Australia National Conference, July 2017

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL MOUNT (YEARS)
Nicole Andrews , Marlien Varnfield (CSIRO), David Ireland (CSIRO)	Occupational Therapy, OPSC, and the Professor Tess Cramond Multidisciplinary Pain Centre	The development and implementation of a mobile health platform to support activity pacing implementation in chronic pain	Metro North LINK funding scheme	\$55,000	\$60 000 (2017-2018)
Nicole Andrews	Occupational Therapy, OPSC, and the Professor Tess Cramond Multidisciplinary Pain Centre	Towards being able to determine how much activity is too much for individuals with chronic pain	RBWH Foundation	\$50,000	\$50 000 (2017)
Andrea McKittrick	Occupational Therapy	Travel grant to allied health	ANZBA travel grant	\$790	\$790 (2017)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Bagraith, KS, Strong, J. , Meredith, P.J., McPhail, SM. Rasch analysis supported the construct validity of self-report measures of activity and participation derived from patient ratings of the ICF low back pain core set. J Clin Epidemiol. 2017;84(4):161-172
Journal article	Bagraith, KS, Strong, J. , Meredith, P.J., McPhail, SM. Self-reported disability according to the ICF Low Back Pain Core Sets: Test-retest agreement and reliability. Disabil Health J. 2017;doi:http://dx.doi.org/10.2016/j.dhjo.2017.01.001
Journal article	Chien CW, Bagraith KS, Khan A., Deen M, Syu J-J, Strong, J. Establishment of cut-points to categorize the severity of chronic pain using composite ratings with Rasch analysis. Euro J of Pain 2017;21:82-91.
Journal article	Coghlan N, Copley J, Aplin T, Strong J. Patient Experience of Wearing Compression Garments Post Burn Injury: A Review of the Literature. J Burn Care Res. 2017;38:260-268. doi:10.1097/BCR.0000000000000506
Journal article	Mc Kittrick A , Kornhaber R, Harats M, Cleary M, Visentin DC, Haik J. Critical care polyneuropathy in burn injuries: An integrative review, Burns (2017), http://dx.doi.org/10.1016/j.burns.2017.07.015
Journal Article	Springfield E, Honnelly M , Bennett S. Evaluation of a simulation clinic for improving occupational therapy students' perceptions of interaction with parents and infants. The British Journal of Occupational Therapy 2017 DOI:10.1177/0308022617736504

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Meredith P, Wilson T, Brandjerporn G, Strong, J , Desha L. “Not just a normal mum”: experiences of a pregnancy after loss clinic during the transition to motherhood following previous perinatal loss. BMC Pregnancy and Childhood. 2017;17(6). Doi:10.1186/s12884-016-1200-9
Letter	Strong, J . Letter to The Editor re article ‘Cognitive performance in women with fibromyalgia’ by de Heredia-Torres and colleagues. Australian Occupational Therapy Journal. 2017;64:83-84. Doi:10.1111/1440-1630.12354

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Brandjerporn G, Meredith PJ, Wilson T, Strong J . Maternal-infant attachment: Associations with sensory patterns, maternal-foetal attachment, adult attachment and mental health. Royal College of Occupational Therapy Conference, Birmingham UK, June 2017.
Poster	Brandjerporn G, Meredith PJ, Wilson T, Strong J . Associations between adult attachment, maternal-foetal attachment, maternal-infant attachment and maternal sensory patterns. International Attachment Conference, London, June 2017.
Oral	Brandjerporn G, Meredith PJ, Strong J . Infant sensory patterns: links with prenatal and postnatal maternal-child attachment. World Summit on Pediatrics, Rome, June 2017.
Invited	Strong J , Hoey S. Injured workers: Workers’ compensation and shattered lives. Topical session, Annual Scientific Meeting of the Australian Pain Society, Adelaide, April 2017
Poster	Laracy S, Tornatore G, Rowland T, Lewis B . Clinical Auditing: A Partnership to improve standards of Occupational Therapy practice in stroke care. Australian Association Occupational Therapy National Conference, July 2017.
Poster	Laracy S , Ross L, Green K. Primary Contact Occupational Therapy Hands : pilot outcomes of a model of care for the conservative management of chronic orthopaedic hand conditions: a prospective cohort study. Australian Association Occupational Therapy National Conference, July 2017
Poster	Dorman R, Laracy S, Tornatore G . The introduction of a delegation framework into the practice of Occupational Therapy Assistants in a rehabilitation setting. Australian Association Occupational Therapy National Conference, July 2017
Poster	Tornatore G, Laracy S . Rehabilitation Outpatient Services – Reaching up for best practice. Australian Association Occupational Therapy National Conference, July 2017.
Oral	Meredith P, Brandjerporn G, Strong J . Exploring the relationship between maternal-foetal attachment, sensory processing, romantic attachment styles, and mental health, Australian Association Occupational Therapy National Conference, July 2017.
Oral & Poster	Mc Kittrick A , Kornhaber K, Visentin D, Cleary M, Haik J, Harati M. Considerations for treatment, diagnosis and risk factors for critical care polyneuropathy, ANZBA, October 2017, Adelaide.
Poster	Katsu, A., Darton, A., YinChan, W., Edmonton, R., Mc Kittrick, A. , McSweeney, M., Templeton, C., Thompson, K., Wardrope, L., & Nicks, S. Fitting the pieces together: education, outreach and optimising burn rehabilitation across NSW and beyond. ANZBA, October 2017, Adelaide.

OTHER COMMUNICATIONS AND OUTPUTS:

Nicole Andrews, Invited Presentation at Burns Life “Chronic Pain” 31/08/2017

Nicole Coghlan, Invited Presentation at Burns Life “The patient experience with compression garments 28/09/2017

PHYSIOTHERAPY

Aims of research group / department

The Department of Physiotherapy research program is diverse and is reflective of the broad range of physiotherapy services delivered to both inpatients and outpatients of the RBWH who have or potentially have an underlying movement dysfunction. Services are provided across a range of quaternary, tertiary and secondary services including medicine, surgery, neurosurgery, orthopaedics, critical care, burns, rehabilitation, trauma services, oncology, obstetrics, gynaecology, neonatology and other musculoskeletal, neurological and cardiorespiratory specialties. The physiotherapy research program is aimed at establishing and embedding a culture of exploration and inquiry, that encourages all staff to participate in the process of improving both the clinical outcomes of clients, and the effectiveness and efficiency of physiotherapy services

Clinical benefits of research / how does your research help your patients

The high level of collaboration between dedicated research staff and physiotherapy clinical teams ensures that the translation of research into clinical practice is central to the program and can deliver immediate benefits to patients. Research highlights for 2017 include:

- continued research into primary contact physiotherapy services in pelvic health, vestibular and musculoskeletal conditions
to establish clinical effectiveness, service performance and training pathways
- expanded research into telerehabilitation for patients with complex non-surgical musculoskeletal conditions, who live in geographically remote locations focussing on diagnostic accuracy, clinician knowledge and acceptance and service implementation.
- continuation of physiotherapy extended scope of practice research investigating the safety and satisfaction of physiotherapy prescribing
- a range of research projects aimed at improving outcomes and rehabilitation models for patients with sepsis
- a wide variety of studies investigating cardiorespiratory interventions and outcomes in critical care and burns populations

In addition to these particular research areas of focus, projects investigating heart failure management, 3-dimensional motion analysis for babies and patients with burns, lymphoedema, acute back pain management, geriatric rehabilitation and pre-entry student education have contributed to improving the level of physiotherapy service provided.

Achievements

2017 was another successful research year for the Department of Physiotherapy with 21 peer reviewed publications, 23 national and international conference presentations and over \$260,000 in competitive grant funding awarded to research staff. Four physiotherapy department staff are currently completing research higher degrees. Associate Professor Jennifer Paratz was further recognised for her ongoing commitment and achievement in research, receiving a Highly Commended Clinical Research Award in the 2017 Metro North Research Excellence Awards.

Research Collaborations

The Department of Physiotherapy continues to enjoy strong research collaborations at a local, national and international level. In particular, Conjoint Research Fellow positions with Griffith University (Assoc Prof Jenny Paratz) and the University of Queensland (Dr Shaun O'Leary) continued in 2017 with significant benefit to physiotherapy research output through both their individual research programs and the engagement of clinical staff in research activities. The department has a clear vision to build on this by further developing the engagement of all physiotherapy staff in research activities that span the full range of clinical services provided.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Alan Wan	PhD UQ (2016-2019)	Movement Evoked Pain Sensitivity in Chronic Spinal Pain	Shaun O'Leary , Michael Sullivan, Michelle Sterling
Deokhoon Jun	PhD UQ (2013-2017)	A longitudinal study of risk factors for neck pain in office workers. workers	Shaun O'Leary , Venerina Johnston, Steven McPhail
Elise Gane	PhD UQ (2013-2017)	Identifying risk factors for poor functional recovery of the neck and shoulder after neck dissection surgery in patients with head and neck cancer.	Shaun O'Leary , Steven McPhail, Anna Hatton
Ian Parker	PhD, ACU (2013-2019)	The Prevalence, Profile and Efficacy of conservative management for Hospital Ear Nose and Throat Category 2 and 3 wait list patients with vestibular dysfunction.	Nancy Low Choy, Ann Rahman, Tracy Comans, David Goode
Jemima Boyd	MPhil, Griffith (2016-2018)	Haemodynamic measurement in mobility post cardiac surgery	Jennifer Paratz , James Walsh
Judith Bellapart	PhD UQ (2013-2017)	Cerebral microcirculation in head injury: an ovine model	John Fraser, Jennifer Paratz, Rob Boots
Julie Adsett	PhD, Griffith (2013-2018)	Safety and efficacy of aquatic exercise in stable heart failure	Norm Morris, Allison Mudge, Jennifer Paratz
Khalid Jaber	MPhil UQ (2015-2017)	Pain sensory and psychological predictors of response to total knee replacement:	Shaun O'Leary , Michael McAuliffe, Michelle Sterling
Lauren O'Connor	PhD, Griffith (2015-2018)	The effect of the Passy Muir valve on postural retraining	Jennifer Paratz , Norm Morris
Maureen Peasy	MPhil, Griffith (2015-2017)	Physical activity in COPD	Jennifer Paratz , Norm Morris
Michelle Cottrell	PhD, UQ 2015-2019	Evaluating the impact of a telerehabilitation model of care in an orthopaedic physiotherapy-led screening clinic & multidisciplinary service	Trevor Russell, Shaun O'Leary , Anne J Hill, Tracy Comans
Michelle McGrath	MPhil, QUT (2014-2017)	"The use of 3 dimensional motion analysis to determine whether quantitative criteria can be found for the Precht's Qualitative Assessment Method of General Movement (GMsA) classifications of writhing and fidgeting in the normative infant population"	Ian Turner, Robyn Grote , Joe Young Mark Pearcy
Olivia Galea	PhD UQ (2015-2018)	The role of cervical musculoskeletal impairment in concussion	Shaun O'Leary , Julia Treleavan
Orlando Flores	PhD UQ (2014-2018)	Metabolism in Burns	Jennifer Paratz , Kellie Stockton, Zephania Tyack
Peter Window	PhD UQ (2013-2017)	2D motion analysis measurements in low back pain	Shaun O'Leary, Kylie Tucker, Paul Hodges, Trevor Russell
Rebecca Kelly	MPhil, Griffith (2015-2017)	Factors predicting daily physical activity post heart transplantation	Jennifer Paratz , Norm Morris

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Xiaoqi Chen	PhD UQ (2013-2017)	A workplace-based exercise intervention to prevent and reduce the economic and personal burden of non-specific neck pain in the office personnel	Venerina Johnston, Shaun O'Leary
Yaheli Bet-Or	PhD UQ (2013-2017)	Is there a difference in scapular kinematics between healthy controls and people with chronic neck pain?	Venerina Johnston, Shaun O'Leary

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Jennifer Paratz	Conjoint Principal Research Fellow	Multiple projects in the area of ICU and Burns	Griffith University (2014 -2019)
Shaun O'Leary	Conjoint Fellow	Multiple projects in the area of Musculoskeletal Physiotherapy and supervision of Honours, Masters & PHD students.	University of Queensland (2016-2018)
Robyn Grote	Principal Research Fellow Qld Motion Analysis Centre, RBWH Adjunct Professor, Faculty of Health, QUT Honorary Senior Fellow, UQ Centre for Clinical Research	Projects in 3-dimensional motion analysis in newborns , & patients with severe burns, investigation of the use of 3D motion capture & virtual reality as a treatment for patients with trauma. Cost-effective analysis of the use of 3-dimensional gait analysis in the treatment of severe burns. The development of a hypertonicity register for patients in S-E Qld.	University of Queensland (2010- current) Queensland University of Technology (2016- current)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Helen Edwards	Janelle Greitschus (QEII), Jenny Nucifora (GCUH), Sonia Sam , Susanne Keys (ACU)	Effectiveness of a Gynaecology Physiotherapy Screening Clinic (GPSC) in improving health outcomes and access to care for women on gynaecology outpatient waiting lists
Hildegard Reul Hirche	Jennifer Paratz, Sonia Sam	Risk factors in lymphodema

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Jennifer Paratz	Rob Boots (Thoracic Medicine), Justin Kenardy (UQ CONROD), Fiona Coyer (RBWH & QUT Nursing), Peter Thomas , Tracy Comans (CAHR), Jack Iwashyna (University of Michigan), Ignacio Martin-Loaches (University of Dublin), Carol Hodgson (Monash University), Bernadette Bissett (Canberra University)	Improving the outcome of sepsis: RCT
Jennifer Paratz	Geetha Kayambu (national University Hospital, Singapore), Rob Boots (Thoracic Medicine)	i-perform - Early rehabilitation in sepsis
Jennifer Paratz	Peter Thomas , Kellie Stockton (LCCH)	Saline installation in respiratory therapy in ICU, a crossover study
Jennifer Paratz	Rob Boots (Thoracic Medicine), Michael Muller (Surgery), Rajeew Hegde (ICU)	Inhalation and right heart failure in burns
Jennifer Paratz	Jason Roberts (UQ, Pharmacy), Michael Muller (Surgery), Kellie Stockton (LCCH), Rob Boots (Thoracic Medicine), Orlando Flores (UQ Medicine)	Beta blocker therapy in burns: an RCT
Jennifer Paratz	Michael Muller (Surgery), Anita Plaza , Kellie Stockton (LCCH), Jonny Younger (Cardiology), Orlando Flores (UQ, Medicine)	IMPACT- Improving physical and psychological outcomes in burns: an RCT
Jennifer Paratz	Kellie Stockton (LCCH), Rob Boots (Thoracic Medicine)	Exercise testing in the chronic critically ill
Jennifer Paratz	Jonny Younger (Cardiology), Sanjoy Paul (QIMR), Kellie Stockton (LCCH)	Mortality in burns survivors
Jennifer Paratz	Jonny Younger (Cardiology), Sanjoy Paul (QIMR), Kellie Stockton (LCCH)	Cardiovascular disease in burn survivors
Jennifer Paratz	Peter Thomas , Alice Jones, George Ntoumenopolous (SUT), Antonio Torres (University of Barcelona), Gianluigi (University of Barcelona)	Location & identification of secretion retention in ICU patients
Jennifer Paratz	Michael Muller (Surgery), Rob Boots (Thoracic Medicine)	Microcirculation as an endpoint to burn resuscitation
Joanna Hargreaves	Peter Thomas , Garry Kirwan(QEII)	Development of a clinical educator survey tool for determining clinical placement quality - validity and reliability testing of the CPQS-E tool.

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Kerina Denny	Jennifer Paratz , David Paterson (Infectious Diseases), Jeff Lipman (ICU), Carl Pretorius (pathology), Joel Dulhunty (ICU)	Biomarker for Sepsis to Thwart Antibiotic Overuse in the Intensive Care Unit
Mahender Samtani	Jennifer Paratz, Shaun O'Leary	Management of Back Pain in DEM: an RCT
Maree Raymer	Angela Chang, Shaun O'Leary , Belinda Gavaghan (AHPOQ), Liza-Jane McBride (AHPOQ)	Investigating representation rates to orthopaedic and neurosurgery services in patients discharged from Physiotherapy Screening Clinics in Metro North Hospital and Health Service
Maree Raymer	Nicole Moretto, Angela Chang, Shaun O'Leary , Lachlan Standfield (Griffith University), Tracy Comans (CAHR)	Implementing economic modelling to improve service planning in Specialist Orthopaedic and Neurosurgical Outpatient Services within Cairns and Hinterland, Gold Coast and West Moreton Hospital and Health Services (Background data collection)
Maree Raymer	Angela Chang, Shaun O'Leary, Nicole Moretto , Tracy Comans (CAHR), Sonya Osborne (AusHSI), Hannah Carter (AusHSI), Dean Blond (Gold Coast), Tania Cavanagh (Cairns and Hinterland), David Smith (West Moreton)	Implementing simulation modelling to improve service planning in Specialist Orthopaedic and Neurosurgical Outpatient services in the Cairns and Hinterland, Gold Coast and West Moreton Hospital and Health Services (Implementation evaluation)
Maree Raymer	Tracy Comans, Shaun O'Leary, Louise Mitchell	An evaluation of the variation in clinical and service related site characteristics of the state-wide Neurosurgical/Orthopaedic Physiotherapy Screening Clinic and Multidisciplinary Service (N/OPSC & MDS) and Orthopaedic Screening in Primary Care (OSiP).
Maree Raymer	Patrick Swete Kelly, Tina Souvlis, Angela Chang (CAHR)	Development and Implementation of a workforce development pathway to support advanced musculoskeletal physiotherapy (AMP) roles
Mark Cruickshank	Maree Raymer , Deborah Lenaghan (GCUH), Darryn Marks (GCUH), Sonia Sam , Tania Cavanagh (Cairns Hosp), Lisa Nissen (QUT), Mark Nelson (QELI), Dean Blond (GCUH), Rod Ellem (GC HHS), Cherie Hearn (PAH), Nicole Bellet (TPCH)	Physiotherapy Defined Scope of Practice (Prescribing)
Michelle Cottrell	Shaun O'Leary, Maree Raymer , Anne J Hill (UQ), Trevor Russell (UQ)	Validity and diagnostic accuracy of telerehabilitation in physiotherapy-led assessments of common musculoskeletal conditions.
Michelle Cottrell	Shaun O'Leary, Maree Raymer , Anne J Hill (UQ), Trevor Russell (UQ)	Evaluation of clinician's knowledge, acceptance and satisfaction of an innovative telehealth model of care for the multidisciplinary management of patients with chronic musculoskeletal conditions.

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Michelle Cottrell	Shaun O'Leary, Maree Raymer, Anne J Hill (UQ), Tracy Comans, Mark Cruickshank, Perry Judd, Patrick Swete Kelly, Trevor Russell (UQ)	Telerehabilitation in the multidisciplinary management of patients with chronic musculoskeletal conditions: a prospective cohort study
Michelle Cottrell	Perry Judd, Mark Cruickshank, Maree Raymer, Shaun O'Leary, Anne Hill (UQ), Tracy Comans (CAHR), Trevor Russell (UQ)	Spinal Physiotherapy Screening Clinic (SPSC) Telehealth Clinic: an evaluation of the first 2 years of service
Perry Judd	Paula Easton (Mackay Base Hospital), Michelle Cottrell , Angela Chang (Centre for Allied Health Research)	Delivery of Orthopaedic Physiotherapy Screening Clinic (OPSC) Assessments from RBWH to Mackay Hospital via Telehealth
Raj Singh	Suzanne Kuys (ACU), Jennifer Paratz	Circuit training in GEMS patients an RCT
Robyn Grote	Michelle McGrath, Heidi White , Bharat Phani Vaikuntam (UQ)	Cost-effective analysis of the use of 3-dimensional gait analysis in the treatment of severe burns The development of a hypertonicity register for patients in S-E Qld A descriptive study on the gait of patients with severe burns
Sally Wegner	Jennifer Paratz	Risk Factors for Readmission to the GEMS ward,
Sarah Blatchford	Jennifer Paratz, Fiona Coyer (ICU Nursing), Peter Thomas	Identifying Ventilator Associated Torticollis and the significance in long term mechanically ventilated patients.
Shaun O'Leary	Stephen McPhail (PAH), Tracy Comans (CAHR), Maree Raymer , Asad Khan (UQ)	Optimising patient selection and resource utilization for the non-surgical management of common orthopaedic conditions



RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Shaun O'Leary	Stephen McPhail (PAH), Pim Kuipers (PAH), Megan Dalton	Do clinicians have the necessary skills to facilitate optimal utilisation of health services by patients with chronic musculoskeletal disorders?
Shaun O'Leary	Gwendolyn Jull (UQ), Stephen McPhail (PAH), Glen Volker, Peter Tonks (PAH)	Physical Therapy for Neck Pain – Are we moving in the right direction?

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Alan Wan (UQ)	Shaun O'Leary	Movement evoked pain sensitivity in chronic spinal pain
Boden I (Launceston General Hospital)	Thomas P , multiple national and international co-investigators (CHESTY Collaborative)	Chest infection prevalence following surgery
De Looze J (Internal Medicine Services – IMS)	Mary Fenn, Charles Denaro (IMS), Keshwar Baboolal (IMS), Peter Buttrum (Allied Health), Peter Thomas, Robyn Fox (Centre for Clinical Nursing), Thea-Grace Collier (CMORE), Alison Mudge (IMS), Jeffrey Lipman (ICU), John Gowardman (ICU)	Patients of concern at the RBWH - a prospective cohort study to define patient outcomes and risk of clinical deterioration
Deokhoon Jun (UQ)	Shaun O'Leary	A longitudinal study of risk factors for neck pain in office workers.
Elise Gane (UQ)	Shaun O'Leary	Identifying risk factors for poor functional recovery of the neck and shoulder after neck dissection surgery in patients with head and neck cancer.
Fiona Coyer (Critical Care)	Peter Slattery (Rehabilitation Engineering), Peter Thomas , Greg McNamara (ICU), Chris Edwards (QUT), Jessica Ingleman (QUT), John Stephenson (University of Huddersfield), Karen Ousey (QUT)	Extreme - Exploring pressures, tissue perfusion and body positioning: A pilot evaluation among critically ill patients
Fiona Coyer (Critical Care)	Jessica Ingleman (QUT), Anthony Holley (ICU), Peter Thomas , Greg McNamara (ICU), Chris Edwards (QUT)	Extreme II - Critically ill patient tissue reperfusion in two body positions and varied timed periods of load. RBWH
Khalid Jaber (UQ)	Shaun O'Leary	Pain sensory and psychological predictors of response to total knee replacement:

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Matthew Linnane (TPCH)	Amanda Corley (TPCH), Amy Spooner (Centre for Clinical Nursing), Peter Thomas , Lawrence Caruana (TPCH), Oystein Tronstadt (TPCH), James Walsh (TPCH), John Fraser (TPCH)	A comparison of the effects of manual hyperinflation and ventilator hyperinflation on restoring end-expiratory lung volume after airway suctioning.
Michael Muller (Burns)	Jennifer Paratz , David Reutens (UQ), Hana Burianova (UQ), Joel Dulhunty (ICU)	Burn prevention, an advertising campaign utilizing functional MRI
Michelle Stute (MNHHS)	Peter Buttrum (Allied Health), Marilyn Banks (Nutrition and Dietetics), Maree Raymer , Tracey Comans (CAHR), Sonia Sam (Allied Health), Nicole Moretto (Allied Health), Marita Plunkett (Allied Health)	Allied Health Specialist Clinics Project
Olivia Galea (UQ)	Shaun O'Leary	The role of cervical musculoskeletal impairment in concussion
Rohan Grimley (SCUH)	Brita Hughes	Building efficient and equitable pathways to and through rehab in stroke (BEEPRS)
Sabrina Hernandez (The Alfred Hospital)	Thomas P. Hodgson C (The Alfred Hospital)	Mobilisation of patients in the acute setting following aneurysmal subarachnoid haemorrhage – a survey of current practice.
Sandy Brauer (UQ, SHRS)	Jennifer Paratz	IMproving Physical Activity with Treadmill training following stroke: the stroke-IMPACT trial
Simon Miller (UQ Hons student)	Julie Adsett	Getting to the heart of the matter : What is the landscape of exercise rehabilitation for patients with HF in Australia?
Sue Berney (Austin Hospital),	Jennifer Paratz , Linda Denehy (University of Melbourne), Dale Needham (John Hopkins University, USA), Ramona Hopkins (Brigham Young University)	Estim cycle early rehabilitation in ICU: RCT
Venerina Johnston (UQ)	Shaun O'Leary	A workplace-based exercise intervention to prevent and reduce the economic and personal burden of non-specific neck pain in the office personnel
Xiaoqi Chen (UQ)	Shaun O'Leary	Prevention and reduction of neck pain in office workers and the effect of a workplace- based intervention
Yaheli Bet-Or (UQ)	Shaun O'Leary	Is there a difference in scapular kinematics between healthy controls and people with chronic neck pain?

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Jennifer Paratz	Highly Commended (Clinical Research Award)	Metro North Research Excellence Awards 2017

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Joanna Hargreaves Peter Thomas Garry Kirwan (QE II Hospital; Previously Griffith Uni)	RBWH Physiotherapy Dept, CELM, Griffith University	RBWH Physiotherapy Dept, CELM, Griffith University	Directors Of Physiotherapy Services Queensland - CETI	\$11,062	\$22,124 (2016 – 2017)
Maree Raymer, Tracy Comans, Shaun O'Leary, Angela Chang , Lachlan Standfield, Dean Blond, Tania Cavanagh, David Smith.	RBWH Physiotherapy and OPSC and MDS	Implementing economic modelling to improve service planning in Specialist Orthopaedic and Neurosurgical Outpatient services	AusHSI Implementation Grant.	\$75,000	\$150,000 (2016 – 2017)
Jennifer Paratz, Michael Muller, Anita Plaza	Physiotherapy, Surgery & Burns	Improving the outcome in burns	RBWH Foundation	\$40,000	\$40,000 (2017)
Mary Fenn, Charles Denaro (IMS), Keshwar Baboolal (IMS), Peter Buttrum (Allied Health), Thomas P, Robyn Fox (Centre for Clinical Nursing), Thea-Grace Collier (CMORE), Alison Mudge (IMS), Jeffrey Lipman (ICU), John Gowardman (ICU)	Internal Medicine, Intensive Care, Nursing, Physiotherapy	Patients of concern at the RBWH - a prospective cohort study to define patient outcomes and risk of clinical deterioration	RBWH Foundation	\$40,000	\$40,000 (2017)
Mark Cruickshank	RBWH Physiotherapy	An investigation into prescribing by Physiotherapists	CAHRLI Pre-PhD scholarship	\$19,565	\$19,565 (2017)
Mark Cruickshank, Maree Raymer, Deborah Lenaghan, Darryn Marks, Sonia Sam, Tania Cavanagh, Lisa Nissen, Mark Nelson, Dean Blond, Rod Ellem, Cherie Hearn, Nicole Bellet	RBWH Physiotherapy	Physiotherapy Defined Scope of Practice (Prescribing) Trial	Allied Health Professionals Office of Queensland (AHPOQ)	\$40,542	\$81,084 (2017 – 2018)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Michelle Cottrell, Shaun O'Leary , Maree Raymer , Anne J Hill, Tracy Comans , Mark Cruickshank , Perry Judd , Patrick Swete Kelly , Trevor Russell	RBWH Physiotherapy & University of Queensland	Telerehabilitation in the multidisciplinary management of patients with chronic musculoskeletal conditions: a prospective cohort study	Allied Health Professionals Office of Queensland (AHPOQ)	\$8,713.50	\$17,427 (2017 – 2018)
Robyn Grote	Physiotherapy	Travel Fellowship 2017	Sir Winston Churchill Memorial Trust Fellowship	\$25,200	\$25,200 (2017)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Wegner S, Thomas P, James C. Hydrotherapy for the long term ventilated patient: A case study and implications for practice. Aust Crit Care. 2017; doi: 10.1016/j.aucc.2017.01.001. [Epub ahead of print]
Journal article	Bet-Or Y, van den Hoorn W, Johnston V, O'Leary S. Reliability and validity of an acromion marker cluster for recording scapula posture at end range clavicle protraction, retraction, elevation and depression. Journal of Applied Biomechanics. 2017. 22; 1-19.
Journal article	Pereira MJ, Johnston V, Straker LM, Sjøgaard G, Melloh M, O'Leary SP , Comans TA. Association between individual and work-related factors with self-reported health-related productivity losses in office workers – an employer's perspective. Journal of Occupational and Environmental Medicine 2017 Jun 5. doi: 10.1097/JOM.0000000000001043
Journal article	Cottrell MA , Hill AJ, O'Leary SP , Raymer ME , Russell TG. Patients are willing to use telehealth for the multidisciplinary management of chronic musculoskeletal conditions: A cross-sectional survey. Journal of Telemedicine and Telecare. 2017;Jan 1 doi: 10.1177/1357633X17706605.
Journal article	Chang AT , Gavanagh B, O'Leary S , McBride LJ, Raymer M. Do patients discharged from advanced practice physiotherapy-led clinics re-present to specialist medical services? Australian Health Review. 2017 May 15. doi: 10.1071/AH16222
Journal Article	Jun D, Michaleff ZA, Johnston V, O'Leary S. Physical risk factors for developing non-specific neck pain in office workers: A systematic review and meta-analysis. International Archives of Occupational and Environmental Health. 2017 Feb 21. doi: 10.1007/s00420-017-1205-3. [Epub ahead of print]
Journal article	Gane EM, Michaleff ZA, Cottrell MA , McPhail SM, Hatton AL, Panizza B, O'Leary SP. Prevalence, incidence, and risk factors for shoulder and neck dysfunction after neck dissection: A systematic review. European Journal of Surgical Oncology. 2016 Nov 17. pii: S0748-7983(16)30966-0. doi: 10.1016/j.ejso.2016.10.026. [Epub ahead of print].
Letter	Hayes SC, Janda M, Ward LC, Reul-Hirche H , Steele ML, Carter J, Quinn M, Cornish B, Obermair A. Lymphedema following gynecological cancer: results from a prospective, longitudinal cohort study on prevalence, incidence and risk factors. Gynecologic Oncology 2017 June 16 [Epub ahead of print]. https://doi.org/10.1016/j.ygyno.2017.06.004
Journal article	Leung B, Stockton K, Muller M, Younger J, Paratz J Cardiovascular risk profile in burn survivors Burns 2017 Aug 7. pii: S0305-4179(17)30394-7. doi: 10.1016/j.burns.2017.07.010. [Epub ahead of print]
Journal article	Ault P, Plaza A, Paratz J Scar massage for hypertrophic burns scarring—A systematic review Burns 2017 Jun 29. pii: S0305-4179(17)30296-6. doi: 10.1016/j.burns.2017.05.006. [Epub ahead of print] Review

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Ntoumenopoulos G, Hammond N, Watts NR, Thompson K, Hanlon G, Paratz JD , Thomas P. Secretion clearance strategies in Australian and New Zealand Intensive Care Units. George Institute for Global Health and the Australian and New Zealand Intensive Care Society Clinical Trials Group. Aust Crit Care . 2017 Jun 26. pii: S1036-7314(17)30197-2. doi: 10.1016/j.aucc.2017.06.002. [Epub ahead of print]
Journal article	Caruana LR, Barnett AG, Tronstad O, Paratz JD , Chang AT, Fraser JF. Global tidal variations, regional distribution of ventilation, and the regional onset of filling determined by electrical impedance tomography: reproducibility. Anaesth Intensive Care . 2017 Mar;45(2):235-243
Journal article	Cottrell MA , Hill AJ, O'Leary SP , Raymer M , Russell TG. Service provider perceptions of telerehabilitation as an additional model of care within an Australian physiotherapy-led orthopaedic screening clinic: a qualitative study. <i>Musculoskeletal Science & Practice</i> . (2017) 32:7-16. doi: 10.1016/j.msksp.2017.07.008
Journal article	Comans TA, Chang AT , Standfield L, Knowles D, O'Leary S , Raymer M . The development and practical application of a simulation model to inform musculoskeletal service delivery in an Australian public health service. <i>Operations Research for HealthCare</i> . https://doi.org/10.1016/j.orhc.2017.07.002 Epub ahead of print.
Journal article	Stute M, Moretto N, Raymer M , Banks M, Buttrum P, Sam S , Bhagwat M, Comans T. Process to establish 11 primary contact allied health pathways in a public health service. <i>Australian Health Review</i> ; http://dx.doi.org/10.1071/AH16206 . Epub ahead of print
Journal article	Miller S, Mandrusiak A, Adsett J . Getting to the heart of the matter: What is the current landscape of exercise rehabilitation for people with heart failure in Australia. <i>Heart Lung Circ</i> . 2017. Sep 25. pii: S1443-9506(17)31391-4. doi: 10.1016/j.hlc.2017.08.016.
Journal article	Tyack, Z, Kimble, R, McPhail, S, Plaza, A and Simons, M. Psychometric properties of the Brisbane Burn Scar Impact Profile in adults with burns scars. <i>PLOS one</i> . 2017 September 13. https://doi.org/10.1371/journal.pone.0184452
Journal article	Xiaoqi C, Coombes BK, Sjøgaard G, Jun D, O'Leary S , Johnston V. Workplace-based interventions for neck pain in office workers: a systematic review and meta-analysis. <i>Physical Therapy</i> Oct 23. doi: 10.1093/ptj/pzx101.
Journal article	Gane EM, McPhail SM, Hatton AL, Panizza BJ, O'Leary SP . Predictors of health-related quality of life in patients treated with neck dissection for head and neck cancer. <i>Eur Arch Otorhinolaryngol</i> . Dec;274(12):4183-4193. doi: 10.1007/s00405-017-4754-x. Epub 2017 Sep 22.
Journal article	Boyd J, Paratz J , Tronstad O, Caruana L, McCormack P, Walsh J. When is it safe to exercise mechanically ventilated patients in the intensive care unit? An evaluation of consensus recommendations in a cardiothoracic setting. <i>Heart Lung</i> . 2017 Dec 12. pii: S0147-9563(17)30331-X. doi: 10.1016/j.hrtlng.2017.11.0
Journal article	Coyer F, Clark M, Slattery P, Thomas P , McNamara G, Edwards C, Ingleman J, Stephenson J, Ousey K (2017): Exploring pressures, tissue reperfusion and body positioning: A pilot evaluation. <i>Journal of Wound Care</i> 26(10):583-592

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral (Invited)	O'Leary S . Masterclass: A layered approach to evaluation and training of cervical motor function What is the best exercise for neck pain?. Keynote Address – Catalan Manual Therapy Association, Barcelona, Spain, 20th May, 2017.
Oral (Invited)	O'Leary S . What is the best exercise for neck pain?. Keynote Address – Catalan Manual Therapy Association, Barcelona, Spain, 20th May, 2017.
Oral (Invited)	Paratz J . Case Study – Sepsis Australian & New Zealand Intensive Care Society, Gold Coast, October, 2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral (Invited)	Paratz J. ICU Follow up clinics – current evidence Australian & New Zealand Intensive Care Society, Gold Coast, October, 2017
Oral	Window P. Accuracy of 2-dimensional measures of vertical axis rotation of the pelvis using photographic media: a comparison of two methods. XXVI Congress of the International Society of Biomechanics 2017, Brisbane Australia 23rd July 2017
Oral	Window P. Accuracy of a novel 2-dimensional method to assess pelvis motion during movement control tests of the lumbo-pelvic-hip complex. APA Conference, Brisbane Australia 20th October 2017
Poster	Hickey A, Adsett J , Atherton A, Denaro C, Nunan T, Peters R. A state-wide approach to multidisciplinary care: Heart Failure Evaluation and Reporting of Outcomes (HERO). ESC HF Conference, Paris, May 2017
Oral	Grote R. Cost-effectiveness analysis of the utilization of 3-dimensional gait analysis (3DGA) to improve the pattern of follow-up treatment service utilization, costs and recovery of burns patients with complex movement disorders. 2017 Annual Scientific Meeting (ASM), of the Australian & New Zealand Burn Association (ANZBA), Adelaide, 24 - 27 October 2017
Oral	Adsett J. Getting to the Heart of the Matter: What is the landscape of HF rehabilitation in Australia? Australian Physiotherapy Association National Conference, Sydney 19-21 October 2017
Poster	Hickey A, Denaro C, Peters R, Adsett J , Atherton J, A state-wide approach to multidisciplinary care: Heart Failure Evaluation and Reporting of Outcomes (HERO). 2017 European Society of Cardiology (ESC) Heart Failure Congress, Paris 29 April – 2 May 2017
Oral	O'Leary S. How accurate is self perceived force for regulating exercise load for the neck. Musculoskeletal Physiotherapy Australia - 20th Biennial Conference, Sydney, Australia, 20 October 2017
Poster	Cottrell M. Telerehabilitation in the advanced practice physiotherapy assessment of patients with chronic musculoskeletal conditions: a validation study. Australian Physiotherapy Association Conference, Sydney October 2017
Oral	Cottrell M. Home telehealth for the non-surgical management of chronic spinal pain patients: a service evaluation. SFT-17, Brisbane October 2017
Poster	Moretto N , Comans T, Knowles D, Chang A, O'Leary S , Osbourne T, Smith D, Cavanagh T, Blond D, Raymer M. Meeting Outpatient wait time targets: A new approach to planning. 2017 Health Services and Policy Research Conference; Gold Coast 1-3 November 2017
Oral (invited)	Paratz J , Influenza in 2017 – where did it all go wrong? QPCRN Annual conference November, 2017, Brisbane
Oral (Invited)	Thomas P. Case Study – Sepsis. Allied Health Workshop, Australian & New Zealand Intensive Care Society, Gold Coast, October, 2017
Oral (invited)	Thomas P. Year in review – Surgery. Australian Physiotherapy Association National Conference, October 2017.
Oral (invited)	Thomas P. Are medical and surgical patients active enough? Australian Physiotherapy Association Cardiorespiratory Physiotherapy Australia Pre-Conference Workshop, October 2017.
Oral (invited)	Thomas P. Outcome measures – cardiorespiratory function. Australian Physiotherapy Association Cardiorespiratory Physiotherapy Australia Pre-Conference Workshop, October 2017.
Oral (invited)	Thomas P. What is new in ICU? Queensland Cardiorespiratory Physiotherapy Network conference, November 2017.
Poster	Schofield P, Donnelly T, Paxman N , Tronstad O, Thomas P. Survey of Cardiorespiratory Physiotherapy Clinical Education Placements in Queensland. Australian Physiotherapy Association National Conference, October 2017.

PSYCHOLOGY

The Department of Psychology provides evidence-based clinical psychology services for inpatients and outpatients who are receiving hospital services for physical health problems. Psychological, emotional or behavioural factors which may influence physical health outcomes are explored with patients. Specialised psychological assessments are provided for patients with Gender Dysphoria as well as pre-surgery assessments for bariatric surgery and cochlear ear implants.

Research performed at the Department of Psychology generally falls within the domain of behavioural medicine, focussing on health behaviours and the psychological impact of disease. Applications within behavioural medicine include health promotion, symptom management and disease management. Research is undertaken by staff members with specific interest in their fields of professional practice and expertise.

Areas of research strengths within the department include Cancer Care, examining aspects related to fear of cancer recurrence and occurrence of adjustment disorder; Staff Health including evaluation of interventions for staff moral and self-compassion, with a special focus on Wellness Training for Nurses; and Neuropsychology investigating imaging correlates of emotion processing in patients with epilepsy.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Katie Vivian	Professional Doctorate, QUT (2013 - 2017) Completed December 2017	Understanding & Treating Trauma in Bulimia Nervosa	Esben Strodl, Luke Johnson
Stephanie Lawton	PhD, Central Queensland University (2016 – 2024)	The dark side of imagination	Kevin Ronin, Robin Alter

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Mala McHale	Honorary Fellow	Psychology	University of Queensland (2013-current)
Elisabeth Hamernik	Honorary Fellow	Psychology	University of Queensland (2008-current)
Rosemary Argall	Adjunct Associate	Psychology	University of Queensland (2016-current)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Elisabeth Hamernik	Andrew Craker, Mala McHale, Maree Grier, Amanda Fairclough, Amanda Francis, Christina Beckham, Desdemona Chung, Riley O'Donohue, Claire Jensen, Susan Elis, Scott Ruddell, Anna Salzgeber	Clinical utility of the DSM-5 cross-cutting measure in a medical setting

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Blum (UQCCR), J Scott (UQCCR), G Robison (UQCCR), D Gillis (UQCCR), G McKeon (UQCCR), A Ryan (UQCCR) M Connell (UQCCR)	Donna Spooner	Anti-NMDA-receptor encephalitis: An Australian case series examining patterns and predictors of cognitive outcomes.
Maryam Ziaei (UQ), David Reutens (UQ and Neurology)	Kate Thompson	Social-cognitive functioning among patients with epilepsy
Louise Cullen (DEM), Carol Jeffreys (DEM), Caitlin Lock (DEM), Emily Brownhill (DEM)	Andrew Craker	Wellness training for nurses in the Emergency Department
Lindy Jeffreys (Neurology)	Kate Thompson	Treatment and cognitive function related to oligodendrogliomas
Psycho-oncology Co-operative Research Group members: David Kissane, Haryana Dhillon, Joanne Shaw, Kim Hobbs, Laura Kirsten, Lia Beatty, Carrie Lethborg	Maree Grier	Adjustment Working Group for the PoCoG transforming psychosocial care of Patients in Australia: Implementation of a comprehensive training and service delivery program Stage 1.
Hilary Jimmieson (Nutrition and Dietetics)	Riley O'Donohue	Quality improvement project: Development and provision of salt education group for individuals with chronic kidney disease

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Maryam Ziaei (UQ), Kate Thompson , David C. Reutens	Psychology & neurology	Social-cognitive functioning among patients with epilepsy	RBWH Hospital Foundation	\$29,970	\$59,940 (UQ and Neurology)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Dwan T, Ownsworth T, Donovan C, Lo A . Reliability of the NEO Five Factor Inventory short form for assessing personality after stroke. <i>International Psychogeriatrics</i> (2017) 29(7), 1157-1168
Book chapter	Lo A (2017). Lifestyle Factors on Depression, Effects of. In N.A Pachana (Ed.), <i>Encyclopedia of Geropsychology</i> (pp.1-9). Singapore: Springer Singapore.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Pender, Csurhes, Smith, Douglas, Neller, Beagley, Rehan, Hopkins, Thompson Kate , Blum, Green, Ionnides, Coulthard, Hooper, Burrow, Rajiv (2017). Symptomatic and objective clinical improvement in progressive Multiple Sclerosis patients treated with autologous Epstein-Barr virus-specific T cell therapy: Interim results of a phase I trial. American Academy of Neurology 2017 Annual Meeting in Boston, USA, April 2017
Oral Invited	Craker A (2017). Stress, Coping and Self Care” Australasian Genetic Counsellors (ASGC) Conference. Brisbane August 2017

REHABILITATION ENGINEERING

The Rehabilitation Engineering Centre has continued to expand on its' major research themes of service delivery and materials properties.

In service delivery the team has continued to investigate ways to improve the service reach to patients through telehealth. A major focus of the new work has been the use of 3D imaging technologies to enhance the telehealth consultation, improve the documentation of cases and as a possible method of transferring data into physical devices using advanced manufacturing techniques such as additive manufacture. In addition to this we have begun a new service review process looking to map the direct and indirect health benefits of rehabilitation engineering interventions for patients. The preliminary work in this area is expected to run for 12 months with the hope of identifying key areas for further work. All of this work was presented in local conferences through 2017.

The REC has continued to collaborate with staff and students from Queensland University of Technology and now James Cook University in the development of materials testing equipment to inform seating design. 2017 finally saw the commissioning of our long awaited cyclic testing rig which it is hoped will provide a wealth of data and collaboration opportunities over the coming years. The preliminary work was presented in an international conference in July.

While Rehabilitation Engineering has a strong focus on assistive technologies related to mobility and seating, we have been lucky enough to be invited to participate in a broad range of collaboration with other disciplines and with other units within the local area as well as nationally and internationally. This has resulted in a contribution to two papers in international journals in 2017. These collaboration opportunities are invaluable in helping to enhance the research skills of our small team and we look forward to more opportunities opening up to us in the coming years.

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Peter Slattery	Adjunct Associate Professor	Science and Engineering Faculty	QUT (2012 – current)

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Shailendra Maharaj (LCCH)	Peter Slattery (Rehabilitation Engineering)	Tele-Rehabilitation Engineering
Gunther Paul (James Cook University)	Peter Slattery (Rehabilitation Engineering)	Seating cushion design simulation

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Friesen E, Slaterry P , Walker L. Assistive technology in transition readiness assessment instruments for adolescents with physical disability: A scoping review. International J Child and Adolescent Health. 2017; 10(3)
Journal Article	Coyer F, Clark M, Slaterry P , Thomas P, McNamara G, Edwards C, Ingleman J, Stephenson J, Ousey K. Exploring pressures, tissue reperfusion and body positioning: a pilot evaluation. J Wound Care. 2017 Oct 2;26(10):583-592.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Sivakumar A, Slaterry P , Paul G. Virtualization in physical ergonomics: Seat indenter testing rig. 8th International Conference on Applied Human Factors and Ergonomics (AHFE 2017), the Westin Bonaventure Hotel, Los Angeles, California, USA July 17-21, 2017

The Social Work Department's vision is to conduct research that captures the psycho-social dimensions of clinical

SOCIAL WORK

practice and, most importantly, improves psycho-social outcomes for patients and their families. We aim to be a leader in our field by developing evidence based social work services that are responsive to patients' needs and mitigate social disadvantage. To this end, we have concentrated our efforts on building the research capacity of staff through targeted training and mentoring. Research collaborations with academics from UQ and QUT have also enabled staff to learn about the research process from the vantage point of participants.

A key research focus of 2017 was an evaluation of the long stay patient project that we initiated in 2016 after being awarded a SEED innovation grant. An important outcome of this project was the development of a senior social work led model of care to address psychosocial barriers to discharge faced by long stay patients. We collaborated with the Australian Centre for Health Services Innovation (AushSI) to evaluate the model of care, focusing on its cost-effectiveness in reducing length of stay. Notably, this is the first study of its kind to examine the role of social work in acute care settings through an economic lens. The project received further recognition through a QuARRIES Service Line Award and was showcased at the National Allied Health Conference in Sydney in August .

Another key initiative was our collaboration with social work researchers from the University of Queensland to pilot a psychosocial acuity scale which will assist our social workers prioritise patients' clinical needs and plan resource allocation. Along with identifying clinical areas of high, medium and low psychosocial acuity, the tool can be used to investigate the relationship between acuity and time spent with each patient. This work is ongoing with the first stage of the project focused on training staff on how to use the scale followed by a six week trial.

Work on the evaluation of our Sexual Assault Response Team (SART) service which commenced in 2016 continued into 2017. Social work students on placement with SART have played an active role in all phases of the evaluation, enabling them to further develop their research skills and learn how to translate research findings into practice.

Other notable achievements for 2017 included the awarding of an RBWH Foundation grant to Martha Druery to explore quality of life outcomes for adults with major burn injuries, and collaborative research with the Emergency and Trauma Centre which highlighted the pivotal role played by social workers in responding to domestic and family violence.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Mithila Karmaker	PhD, UQ (2017)	The housing pathways of Bangladeshi immigrants during the process of settling in Australia	Gai Harrison Jill Wilson Judith Griffiths

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Angela O'Malia	Adjunct Senior Lecturer	School of Nursing, Midwifery & Social Work	UQ (3 yrs) 2016-2018
Gai Harrison	Honorary Senior Lecturer	School of Nursing, Midwifery & Social Work	UQ (3 yrs) 2016-2018

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Angela O'Malia	Adrian Barnett (AusHSI) Sonya Osborne (AusHSI) Hannah Carter (AusHSI) Gai Harrison (social work)	The long stay patient seed project: Evaluation of the senior social worker led model of care in reducing length of stay for patients at RBWH
Vanessa Walker	Erin Vaughan (social work) Gai Harrison (social work)	Evaluation of the Sexual Assault Response Team (SART) Service
Suzette Fox	Greg Lewis (social work)	Living With and Beyond Treatment for Head and Neck Cancer
Angela O'Malia Gai Harrison	Karen Healy (UQ) Jill Wilson (UQ) John Drayton (UQ) Maree Peterson (UQ) Robyne LeBrocq (UQ)	Piloting a psychosocial acuity scale in social work at RBWH
Martha Druery	Peter Newcombe (UQ) Cate Cameron (Griffith University) Jeffrey Lipman (UQ)	Quality of Life outcomes post-major burn injuries in adults – a longitudinal exploratory study

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Alex Markwell (Emergency Trauma Centre, ETC)	Angela O'Malia (Social Work) , Tegwen Howell (ETC), Carol Windsor (QUT), Anthony Bell (ETC), Kevin Chu (ETC)	Describing the experiences of social workers in a tertiary ED
Adrienne Young (Nutrition and Dietetics, RBWH)	Carrie-Anne Lewis (Nutrition and Dietetics), Gai Harrison (Social Work) , Claire Dux (Nutrition and Dietetics), Rachana Naidu (Nutrition and Dietetics), Rajeswari Badwa (Nutrition and Dietetics), Jessica Fry (Nutrition and Dietetics), Liliana Botero (Nutrition and Dietetics), Marilyn Banks (Nutrition and Dietetics)	Exploring the roles and values of dietetic assistants at RBWH

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Angela O'Malia, Sarah Napier	QuARRIES Service Line Award (Overcoming psychosocial barriers of long-stay patients)	QuARRIES Awards, RBWH, 20 July 2017

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Martha Druery , Michael Rudd, Peter Newcombe, Cate Cameron, Jeffrey Lipman, Jennifer Paratz	Burns Trauma and Critical Care Research Centre (UQ)	Quality of Life outcomes post-major burn injuries in adults – a longitudinal exploratory study.	RBWH Foundation	\$40,000	\$40,000 (2017)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Druery M , Newcombe PA, Cameron CM, Lipman J. Factors influencing psychological, social and health outcomes after major burn injuries in adults: cohort study protocol. BMJ Open. 2017; 7:e017545. doi:10.1136/bmjopen-2017-017545.
Book chapter	Harrison G , Felton K. International students, inclusion and professional field placements. In: Barton, G, Hartwig, K, editors. Profession learning in the work place for international students: Exploring theory and practice. Switzerland: Springer International; 2017.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Pham, L . Haemodialysis Engagement Program trial: A holistic approach to improve patient wellbeing, Renal Society of Australasia Conference, June, 2017
Oral	O'Malia, A . Overcoming the discharge barriers of long stay patients: The implementation of an innovative social worker led model of care in a hospital setting. 12th National Allied Health Conference, Sydney, 26-29 August, 2017.



SPEECH PATHOLOGY AND AUDIOLOGY

The Speech Pathology and Audiology Department provides tertiary and quaternary level clinical services to adult inpatients and outpatients with swallowing and/or communication disorders of varying complexity and aetiology as well as providing audiology services to patients with otologic conditions. Services are provided at the RBWH Acute Hospital, the Geriatric Evaluation and Management Unit, and the Geriatric Assessment and Rehabilitation Unit, Rosemount.

The Department participates in a range of specialist multidisciplinary teams and has a strong commitment to clinical research and student education. In particular, the Speech Pathology and Audiology Department has established key research partnerships with the UQ Centre for Clinical Research & School of Health and Rehabilitation Sciences resulting in ongoing collaborative research projects.

Key research areas include:

- Head and Neck Cancer – intervention, models of care and outcomes of patients following surgery and/or chemotherapy/radiotherapy
- Neurology and Stroke- assessment of aphasia, intensity of aphasia rehabilitation
- Dysphagia – dysphagia screening, instrumental assessment, swallowing rehabilitation
- Telehealth and telerehabilitation
- Rehabilitation
- Tracheostomy
- Cochlear implant

Highlights of 2017:

In 2017, the Speech Pathology and Audiology research program continued to expand and develop. Our research outcomes were achieved through extensive existing collaborations and the committed clinicians engaged in research across all of our teams. Highlights included Dr Clare Burns being awarded the RBWH Foundation Patricia Duke Post Doctoral Fellowship as well receiving the award for best presentation at the Success and Failures in Telehealth Conference. Other awards included Leisa Turkington being awarded the CAHRLI New Researcher Award and Annette Collins being awarded the HP Research Award at the RBWH Symposium. Our department also celebrated the PhD completions of Dr Alexia Rohde and Dr Kylie Wall.

Further highlights included the establishment of a Speech Pathology Research Co-ordinator position. We are proud of the growth in the research capacity across our teams and the number of novice clinician researchers embarking on innovative research projects. Indeed, Speech Pathology and Audiology have a strong commitment to developing our “clinician researchers of the future”.

Benefits for clinical practice:

We have a clear vision to undertake research which translates into real benefits for our consumers and we are committed to rigorous evaluation of new innovative models of care (e.g., telehealth, aphasia rehabilitation models). We look forward to building on the achievements of 2017 in the coming years.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Laura Moroney	PhD, UQ (2015-2018)	Dysphagia and related toxicities in head and neck patients undergoing Helical Intensity Modulated Radiotherapy (H-IMRT) +/- chemotherapy	Liz Ward, Jane Crombie, Clare Burns
Alexia Rohde	PhD, UQ (2012-2017) Degree conferred 6 October 2017	Evidence-based identification of aphasia using a rational clinical examination approach	Linda Worrall, Robyn O'Halloran, Erin Godecke, Anna Farrell
Leisa Turkington	PhD, UQ (2013-2019)	Neurogenic dysphagia and sensory enhancement strategies	Liz Ward, Anna Farrell
Shana Taubert	PhD, UQ (2016-2020)	Videofluoroscopic Swallow Studies: Education and training approaches	Liz Ward, Clare Burns
Georgia Thomas	PhD, UQ (2014-2017)	Language Outcomes in patients with Brain Tumours	Dave Copland, Katie McMahon
Kylie Wall	PhD, UQ (2014-2017) Degree conferred 7 December 2017	Cognitive changes in people after stroke	Dave Copland, Katie McMahon

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Clare Burns	Honorary Lecturer, Speech Pathology	School of Health and Rehabilitation Sciences	University of Queensland (2017-2020)
Anna Farrell	Honorary Lecturer, Speech Pathology	School of Health and Rehabilitation Sciences	University of Queensland (2017-2020)
Alice Pender	Honorary Associate Lecturer, Audiology	Audiology, School of Health and Rehabilitation Sciences	University of Queensland (2016-2019)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Clare Burns	Liz Ward (CFHAR; UQ), Annie Hill (UQ), Lynell Bassett (Speech Pathology, SP) , Liz Kenny - Cancer Care (CC), Karen Malcolm- Sunshine Coast University Hospital (SCUH), Rebecca Hicks, Jenni-Lee Rees	Health service evaluation of two Speech Pathology models of care providing support to Head and Neck Cancer patients living in regional sites within Queensland Health

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Annette Collins, Clare Burns, Claire Blake,	Liz Ward (CFAHR; UQ), Tracy Comans (MNHHS), Lizbeth Kenny (CC), Daniel Best, Phil Greenup (Telehealth Services)	Evaluation of a telepractice model for providing in home swallowing and nutrition management for patients following head and neck cancer treatment
Clare Burns	Liz Ward (CFAHR; UQ), Annie Hill (UQ), Ben Keir (Medical Physics), Sharon Kelly (ENT), Linda Porter (Medical Imaging), Nick Phillips (Medical Imaging)	Conducting instrumental assessments of adult dysphagia via telehealth
Clare Burns	Liz Ward (CFAHR; UQ), Robyn Saxon (Sunshine Coast HHS), Brooke Cowie (Metro North HHS), Amy Gray (Wide Bay HHS), Lisa Baker (Wide Bay HHS), Natalie Winter (Cairns and Hinterland HHS)	Development, implementation and evaluation of a Queensland Health telepractice model for the clinical assessment of adult dysphagia
Shana Taubert & Clare Burns	Liz Ward (CFAHR; UQ), Kelly McCarthy (PAH)	Evaluating an e-Learning program for training in Adult MBS assessment
Alexia Rohde	Linda Worrall (UQ), Erin Godecke (Edith Cowan), Robyn O'Halloran (La Trobe), Anna Farrell (SP), Penni Burfein (SP), Andrew Wong (Stroke), Genevieve Skinner (Stroke)	Evidence-based identification of aphasia using a rational clinical examination approach
Anna Farrell	Anna Rumbach (UQ), Stacey Verner-Wren (TPCH), Rebecca Nund (UQ), Nerina Scarinci (UQ), Nicole Hutchinson (Neurology), Robert Henderson (Neurology), Pamela McCombe (Neurology)	Patient and family carer experiences of dysphagia in Motor Neurone Disease: Determining speech pathology service needs for those living in rural and remote locations
Leisa Turkington	Liz Ward (CFHAR; UQ), Anna Farrell (SP)	Neurogenic dysphagia and sensory enhancement strategies
Laura Moroney	Liz Ward (CFAHR Jane Crombie (SP), Jennifer Helios (SP), Clare Burns (SP), Ann-Louise Spurgin (SP), Liz Kenny (CC), Brett Hughes(CC), Clare Blake (Nutrition and Dietetics)	Dysphagia and related toxicities in head and neck patients undergoing Helical Intensity Modulated Radiotherapy (H-IMRT) +/- chemotherapy
Belinda Lehn, Sarah Wilson	Clare Burns (SP), Ann-Louise Spurgin (SP), Robert Hodge (ENT), Martin Batstone (MaxFacs)	Evaluation of speech and swallowing outcomes following total laryngectomy and pharyngolaryngectomy
Jane Crombie, Ann-Louise Spurgin	Liz Ward (CFAHR; UQ), Stephanie Ng (UQ), Teresa Brown (Nutrition & Dietetics), Liz Kenny (CC), Brett Hughes (CC), Lee Tripcony (CC), Jacqueline Wells (CC)	RBWH Swallowing and Nutrition Guidelines for Head and Neck Cancer patients
Rebecca Cremer	Anna Rumbach (UQ)	Dysphagia outcomes following caustic ingestion

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Sarah Heaton, Anna Farrell	Anna Rumbach (UQ) and Katrina Webster (Ipswich Hospital)	Dysphagia outcomes in Subarachnoid Haemorrhage
Lynell Bassett, Sonia Baker	Rob Boots (Medical-Tracheostomy Management Team), Nanette Paxman (Physiotherapy), Karyn Heineger (Nursing)	Evaluation of the Tracheostomy Management Team (TMT)
Lynell Bassett	Jennifer Helios (SP)	Evaluation of the First Contact Dysphagia Clinic
Carla Rose	Lynell Bassett (Speech Pathology), Sharon Kelly (ENT)	Evaluation of the First Contact Audiology Clinics
Alice Pender	Carla Rose (Audiology), Angela Chang (Centre for Allied Health Research), Tracy Comans (UQ)	Patient outcomes following cochlear implant surgery

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Georgia Thomas (UQ), David Copland (UQ)	Nadia Borgna (SP), Sarah Heaton (SP), Anna Farrell (SP) , Lindy Jefree (Neurosurgery)	The use of functional magnetic resonance imaging and MRI diffusion tractography for pre-surgical mapping and investigation of neuroplasticity in adults with a brain tumour
Linda Worrall (UQ), David Copland (UQ), Melissa Lawrie (Gold Coast HHS), Liz Ward (UQ), Moya Pattie (Wesley)	Penni Burfein (SP), Anna Farrell (SP)	Can a new, intensive model of aphasia rehabilitation achieve better outcomes than usual care?
David Copland (UQ), Tracy Roxbury (UQ), Katie McMahon (UQ), Greig de Zubizaray (QUT), Marcus Meinzer (UQ)	Penni Burfein (SP), Anna Farrell (SP) , Andrew Wong (Stroke)	Predicting and Promoting Sub-Acute Aphasia Recovery
Salma Charania (TPCH), Anna Rumbach (UQ), Petrea Cornwell (Griffith University & TPCH), Rebecca Nund (UQ)	Anna Farrell (SP) , Robert Henderson (Neurology), Nicole Hutchinson (Neurology)	A year in the life: The impact of changes in communication for a person with MND and their family and friends

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Alicja Malicka (UQ supervisor), Anita Burgess (UQ Audiology masters Student)	Carla Rose & Alice Pender (Audiology)	Evaluating the impact of joint Audiology-ENT clinical pathways on outpatient services and efficiencies: A quality assurance project

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Leisa Turkington	CAHRLI New Researcher Award	CAHRLI Symposium, 6th June 2017
Annette Collins	HP Research Award	RBWH Healthcare Symposium, 12th-14th September 2017
Clare Burns	Best Presentation	Success and Failures in Telehealth Conference, October 2017

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Clare Burns	Speech Pathology and Cancer Care	Implementation and evaluation of a telehealth service providing specialist speech pathology and nutrition and dietetics intervention for patients with head and neck cancer.	Post Doctoral Fellowship Grant - RBWH Research Foundation	\$50,000	\$100,000 (2017-2018)
Laura Moroney	Speech Pathology and Cancer Care	Dysphagia outcomes in head and neck cancer patients undergoing tomotherapy	RBWH Foundation PhD Scholarship	\$33,884	\$33,884 (2017)
Leisa Turkington	Speech Pathology	Neurogenic dysphagia and sensory enhancement strategies	RBWH Foundation PhD Scholarship	\$25,000	\$25,000 (2017)
Sarah Wilson	Speech Pathology and Cancer Care	Examination of dysphagia following laryngectomy: A prospective evaluation of clinical and radiological assessment and patient reported outcomes	CAHRLI Pre-PhD Scholarship	\$7,904	\$7,904 (2017)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Annette Collins, Clare Burns, Liz Ward, Anne Hill,	Speech Pathology and Cancer Care	Evaluation of a telepractice model for providing in home swallowing and nutrition management for patients following head and neck cancer treatment	HP Research Grant	\$11,405	\$22,811 (2016- 2017)
Anna Farrell, Anna Rumbach, Stacey Verner-Wren, Robert Henderson, Nicole Hutchinson	Speech Pathology and Neurology	Patient and family carer experiences of dysphagia in Motor Neurone Disease	HP Research Grant	\$3,768	\$15,070 (2015- 2017)



2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Ward E, Wall L, Burns C , Cartmill B, Hill A. Application of telepractice for head and neck cancer management: A review of speech language pathology service models. Current Opinion in Otolaryngology, Head and Neck Surgery. 2017; 25: 3, 169-174 doi:10.1097/MOO.0000000000000357
Journal Article	Burns C , Ward E, Hill A, Kularatna S, Byrnes J & Kenny L. Randomized controlled trial of a multisite speech pathology telepractice service providing swallowing and communication intervention to patients with head and neck cancer: Evaluation of service outcomes. Head and Neck. 2017 DOI 10.1002/hed.24706
Journal Article	Moroney L, Helios J , Ward E, Crombie J , Wockner L, Burns C , Spurgin A-L , Blake C, Kenny L, Hughes. Patterns of dysphagia and acute toxicities in patients with head and neck cancer undergoing helical IMRT +/- concurrent chemotherapy. Oral Oncology. 2017 64 1-8. doi:10.1016/j.oraloncology.2016.11.009
Journal Article	Burns C , Kularatna S, Ward E.C., Hill A, Byrnes J, Kenny L. Cost analysis of a speech pathology synchronous telepractice service for patients with head and neck cancer. Head and Neck. 2017; 1-11. DOI: 10.1002/hed.24916

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Collins A., Burns C. , Ward E, Comans T., Blake C., Kenny L., Greenup P., Best D. Home based telehealth service for swallowing and nutritional management in head and neck treatment. Journal of Telemedicine and Telecare. 2017 Dec;23(10):866-872
Journal Article	Rumbach, A., & Cremer, R. (2017). Dysphagia and Speech-Language Pathology Involvement Following Chemical Ingestion Injury: A Review of 44 Cases Admitted to a Quaternary Australian Hospital (2008-2012). American Journal of Speech Language Pathology, 26(4): 1120-11287. doi:10.1044/2017_AJSLP-16-0075

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Taubert S, Burns C. , Ward E, McCarthy K, Graham N. A statewide eLearning program: Supporting the delivery of Modified Barium Swallow services. Dysphagia Research Society Annual Scientific Meeting; Oregon 2nd -4th March; Portland, USA
Invited Oral	Turkington L. , Ward E, Farrell A. The impact of carbonation on neurogenic dysphagia during VFSS (Videofluoroscopic swallow studies). Dysphagia Research Society Annual Scientific Meeting; Oregon 2nd -4th March; Portland, USA
Poster	Rumbach A & Cremer R. Clinical progression and outcome of altered oral intake following chemical ingestion injury: A retrospective cohort study. Dysphagia Research Society Annual Scientific Meeting; Oregon 2nd -4th March; Portland, USA
Oral	Turkington L. , Ward E, Farrell A. (2017). The impact of carbonation on neurogenic dysphagia during videofluoroscopic swallow studies (VFSS). Speech Pathology Australia National Conference; 31st May 2017; Sydney
Poster	Taubert S, Burns C. , Ward E, McCarthy K, Graham N. A statewide eLearning program: Supporting the delivery of Modified Barium Swallow services. Speech Pathology Australia National Conference; 31st May 2017; Sydney
Oral	Burns C, Taubert S. , McCarthy K, Ward E, & Graham N. MBS elearning program: Supporting a standardise approach to Modified Barium Swallow Training. Speech Pathology Australia National Conference; 31st May 2017; Sydney
Oral	Cocetti A, Rollings G, Graham N, Bassett L. , Walker-Smith K. (2017). Extended scope of practice: Speech pathology decision making frameworks. Speech Pathology Australia National Conference; 30th May 2017; Sydney
Oral	Burns C. , Ward E, Hill A, Kularatna S, Byrnes J, Kenny L. Evaluation of a speech pathology telepractice for patients with head and neck cancer. Speech Pathology Australia National Conference; 30th May 2017; Sydney
Oral	Rumbach A, Cremer R. , Chatwood A, Fink S, Haider S, Yee M. Dysphagia management and rehabilitation after extensive ingestion injury: A case series. Speech Pathology Australia National Conference; 30th May 2017; Sydney
Oral	Rumbach A, & Cremer R. Clinical progression and outcome of altered oral intake following chemical ingestion injury: A retrospective cohort study. Speech Pathology Australia National Conference; 30th May 2017; Sydney
Poster	Farrell A. , Chang A, Banks M, Buttrum P. How much time do Allied Health clinicians spend undertaking research? National Allied Health Conference; 29 August 2017; Sydney
Oral	Paratz, J, Thomas P, Baker S. , Dux C., Druery, M. A patient's ICU journey with contribution from Allied Health Team. Invited oral presentation. Australian and New Zealand Intensive Care Society Annual Scientific Meeting, 11-13 Oct 2017; Gold Coast

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Collins A, Burns C , Ward E, Comans T, Blake C, Kenny L, Greenup P, Best D - Home based telehealth service for swallowing and nutritional management following head and neck cancer treatment. Oral presentation. Australian and New Zealand Head & Neck Cancer Society, Annual Scientific Meeting, 12 October 2017; Brisbane
Oral	Stevens, M., Perry, C., Hancock, K., Spurgin, A-L . Laryngectomy and voice rehabilitation. Australian and New Zealand Head & Neck Cancer Society, Annual Scientific Meeting, 11th October 2017; Brisbane
Oral	Burns C , Ward E, Hill A, Kularatna S, Byrnes J, Kenny L. – A telehealth model of care for head and neck cancer. Invited oral presentation. Australian and New Zealand Head & Neck Cancer Society, Annual Scientific Meeting, 12th October 2017; Brisbane
Oral	Moroney L , Ward E, Helios J, Crombie J, Burns C , Blake C, Kenny L, Chua B, Hughes - Transforming clinical service delivery: Implementation of the head and neck cancer low risk speech pathology pathway. Oral presentation. Australian and New Zealand Head & Neck Cancer Society, Annual Scientific Meeting, 12th October 2017; Brisbane
Poster	Wilson S , Burns C, Cartmill B – Assessment and management of dysphagia following total laryngectomy and pharyngolaryngectomy within Australia: A survey of speech pathology practice patterns. Poster. Australian and New Zealand Head & Neck Cancer Society, Annual Scientific Meeting, 11-12th October 2017; Brisbane
Oral	Burns C , Ward E, Cowie B, Saxon R, Gray A, Baker L, Bignell S, Winter N, Rusch R. -Telepractice services for the clinical assessment of adult swallowing disorders: An implementation evaluation. Oral presentation. Successes and Failures in Telehealth. 8th Annual Meeting of the Australasian Telehealth society. 30-31 October 2017; Brisbane
Poster	Burns C , Ward E, Hill A, Kularatna S, Byrnes J, Kenny L. – Evaluation of a speech pathology telehealth service supporting head and neck cancer. Poster. Successes and Failures in Telehealth. 8th Annual Meeting of the Australasian Telehealth society. 30-31 October 2017; Brisbane



CANCER CARE SERVICES



CANCER CARE SERVICES



Professor Glen Kennedy
Executive Director
Cancer Care Services

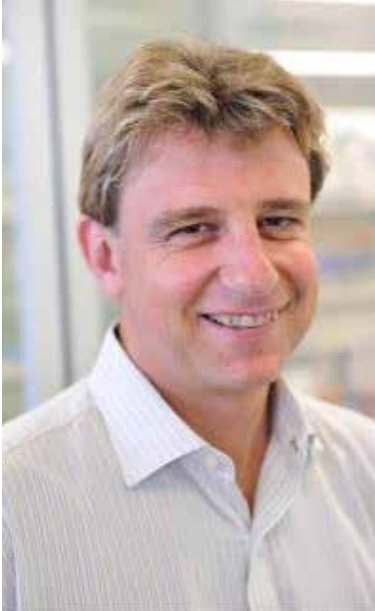
We continue to strive to further expand and embed research within CCS across all patient and disease groups

RBWH Cancer Care Services (CCS) is committed to providing high quality, patient focused, evidence based care. Research is critical to delivery of this vision, including opportunity for access to novel treatments. The CCS research community involves all CCS units and disciplines, including Medical Oncology, Haematology / BMT, Haemophilia, Radiation Oncology, Nursing, Allied Health and Pharmacy. Highlighted individual achievements included A/Prof Liz Kenny awarded an Order of Australia, and A/Prof Steven Lane awarded the national CSL Centenary Fellowship as well as the Cure Cancer Australia Cancer Researcher of the year. Our Haematology / BMT clinical trials unit received a highly commended award at the 2017 Metro North Research excellence awards in the Research Support Awards category.

In 2017, the Cancer Care Clinical Research Unit continued to deliver a comprehensive research program for patients across Medical Oncology, Radiation Oncology and Haematology / Bone Marrow Transplantation. Thirty seven new research projects were opened to recruitment with over 500 patients enrolled into these research trials and projects. Approximately 1 in every 15 chemotherapy prescriptions in CCS are now research trial related.

2017 also saw ongoing successful engagement in our collaborations with other research partners, including QIMR Berghofer, University of Queensland, Herston Imaging Research Facility, Queensland University of Technology and Brisbane Diamantina Health Partners, as well as with other national and international research collaborators. These collaborations saw a record number of research related grants awarded to CCS staff during 2017. At a local level, CCS research achievements were highlighted at our annual research retreat, GP Education day and RBWH Research Symposium. Our successful partnership with the RBWH Foundation has guaranteed the One Day to Conquer Cancer as an annual event in our research calendar, helping to raise funds for local cancer-related research. The number and impact of peer reviewed publications and presentations from CCS staff across all disciplines continue to grow.

Overall 2017 was greatly successful for CCS research. As we look forward to 2018 we continue to strive to further expand and embed research within CCS across all patient and disease groups, across our district, incorporating new and novel approaches to care within clinical, translational and basic science research programmes and partnerships.



Prof Geoff Hill
Research Director
Cancer Care Services

*Chimeric Antigen
Receptor (CAR) T cells
was the clear break-
through in cancer
treatment in 2017*

Research in the Cancer Care Services continued to flourish in 2017. Stand out achievements were the Order of Australia award to Prof Liz Kenny in Radiation Oncology and the national CSL Centenary Fellowship award and Cure Cancer Australia, Cancer Researcher of the year to A/Prof Steven Lane in Haematology. A NHMRC Centre for Research Excellence in Blood Transplant and Cell Therapy based at RBWH and QIMR was successful in 2017 and will strive to integrate this increasingly important treatment across Australia and into the USA. In this vein, the use of Chimeric Antigen Receptor (CAR) T cells was the clear break-through in cancer treatment in 2017.

The division continues to publish widely in leading discipline specific specialist journals including Blood, the Journal of Clinical Oncology and high impact studies in the general scientific literature including Science Immunology, Science Translational Medicine and the Journal of Clinical Investigation. This represents a flourishing research environment spanning both scientific and clinical spheres and bodes well for the department moving forward as the Medical Research Future Fund starts to come on stream. The Cancer Theme of the Brisbane Diamantina Health Partners was also successful in bringing the north and south side partners together and the stream presentations drew large audiences from across Brisbane.

At a local level, the half-day RBWH CCS retreat was held at the Town Hall in November 2017 and showcased our broad research effort across multiple medical, nursing and allied health disciplines. Kate Markey was successful as the best oral presentation; outlining the development of her QLD Health Fellowship funded multiplex PCR based diagnostic for blood stream infections. We wish Kate well as she takes up a number of prestigious fellowships at the Memorial Sloan Kettering Cancer Center in New York to pursue her studies.

I am sure that 2018 will be another year of great success and promises to be a time of growth and ongoing renewal in Cancer Care.

HAEMATOLOGY, BONE MARROW TRANSPLANT AND HAEMOPHILIA

In 2017 the Haem/BMT clinical trials unit has –

- developed new collaborations and funding opportunities,
- established new clinical trials,
- improved recruitment processes,
- made important structural changes; and
- had a number of notable publications, presentations and awards.

New notable collaborations in 2017 include a number of trials established with the Herston Imaging Research Facility investigating novel PET tracers in the fields of staging multiple myeloma, diagnosing graft versus host disease, post allogeneic BMT and assessing neurocognitive effects of chemotherapy. Continued collaborations with QIMR Berghofer, UQCCR, Australia Leukaemia and Lymphoma Group, the Departments of Intensive Care and Dietetics have culminated in completion of recruitment of a number of important investigator initiated clinical trials including a randomised enteral versus parenteral feeding study for BMT recipients and a Phase 3 placebo controlled study of Tocilizumab in the prevention of GVHD post allogeneic BMT.

Major national and international research funding grants attained in 2017 include –

- CSL centenary fellowship 2017-2021 (\$1.25m),
- Cancer Australia Priority Driven Research Funding 2017-8 (\$200k),
- Myeloproliferative Neoplasm Foundation 2018-20 (\$600k),
- RBWH Foundation diamond care grant 2017-8 (\$40k);

Restructuring of the Haem/BMT clinical trials unit in 2017 led to the development of tumour stream clinical leads and moves toward specific tumour capture clinics in the fields of leukaemia, lymphoma, myeloma, BMT and non-malignant haematology (including haemophilia, thrombosis and haemostasis) to enhance trial selection/development and recruitment.

Notable publications from 2017 include –

- the importance of genetic subtyping in predicting the outcomes of patients with leukaemia (Straube et al. Blood 2017),
- a randomised comparison of olanzapine, palonosetron and ondansetron as treatment of chemotherapy induced nausea/vomiting (Nakagaki M et al Supp Care Cancer 2017);
- the outcome of HLA mismatched allogeneic BMT (Mediwake H et al Blood Can Journal 2017); and
- Other major papers in international high impact journals including: Blood (4 papers as senior author, 1 invited commentary), Science Immunology, Journal of Clinical Investigation, Science Translational Medicine, Haematologica, Leukemia and Featured oral presentations at American Society of Hematology meeting (x3), abstract achievement award.

The Haem/BMT clinical trials unit also received a highly commended award at the 2017 Metro North Research excellence awards.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Therese Vu	PhD	Targeted therapy in myeloid malignancies	A/Prof Steven Lane
Rebecca Austin	PhD	Immunotherapy in blood cancers	A/Prof Steven Lane
Victoria Ling	MD PHD	Chemoresistance in AML	A/Prof Steven Lane
Dr Andrea Henden	MD PHD (UQ 2014-2017)	Interferon in bone marrow transplantation	Prof Geoff Hill
Dr Ashleigh Scott	MPhil (UQ 2017-)	Targeting translocator protein (TSPO) to improve diagnostic accuracy in gastrointestinal graft versus host disease.	Glen Kennedy, Siok-Keen Tey.
Nienke Zomerdijs	PhD, UQ (2015-2018)	The psychosocial impact of donating haematopoietic stem cells on adult related donors	Prof Jane Turner, Prof Geoff Hill
Simone Minnie	PhD – University of Qld 2015-2018	Immunotherapy of myeloma	Prof Geoff Hill
Paulo Martins	PhD – University of Qld 2015-2017	The immunological mechanisms of CMV reactivation after BMT	Prof Geoff Hill
Andrew Wilkinson	PhD – University of Qld 2015-2018	Understanding IL-6 signalling in GVHD	Prof Geoff Hill
Kate Markey	MPH (Monash 2016 – 2018)	Clinical Research Methods	N/A

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Steven Lane	NHMRC Career Development Fellow		QIMR Berghofer
Steven Lane	CSL Centenary Fellow	Blood Cancer lead	QIMR Berghofer
Prof Geoff Hill	Cancer coordinator	BDHP Cancer lead	QIMR Berghofer
Andrea Henden	Leukaemia Foundation of Australia Fellow	Pathophysiology of GVHD	QIMR Berghofer
Prof Geoff Hill	NHMRC Senior Principal Research Fellow	Improving BMT outcomes	QIMR Berghofer
Kate Markey	Junior Research Fellow	Post BMT microbiome and infectious diagnostics	Qld Health
Tzu-Yan Wang			
Ashleigh Scott			
Gregory Orchard			
Rebecca Cleary			
Marc Ellis			
Nicholas Weber			

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Simon Durrant	Haem Staff	Abbvie M14-031 BELLINI – Clinical trial of Bortezomib and Dexamethasone in Combination with Either Venetoclax or Placebo in Subjects with Relapsed or Refractory Multiple Myeloma
Simon Durrant	Haem Staff	Gilead SIMPLIFY – Clinical trial of Momelotinib vs Ruxolitinib in Subjects with Primary Myelofibrosis (PMF) or Post-Polycythemia Vera or Post-Essential Thrombocythemia Myelofibrosis (Post-PV/ET MF)
Simon Durrant	Haem Staff	Pfizer Ski Extension B1871040 – ICON – Bosutiib treatment extension study for patients with chronic myeloid leukemia
Simon Durrant	Haem Staff	Novartis Response – Clinical trial of JAK iNhibitor INC424 tablets verSus bEst available care in Polycythemia
Simon Durrant	Haem Staff	Novartis Response 2 – Clinical trial of ruxolitinib versus best available therapy in patients with polycythemia vera
Simon Durrant	Haem Staff	HELIOS CMV – Clinical trial of a Therapeutic Vaccine, ASP0113, in Cytomegalovirus (CMV)-Seropositive Recipients Undergoing Allogeneic, Hematopoietic Cell Transplant (HCT)
Simon Durrant	Haem Staff	Gilead NIAGRA 119 – Clinical trial of Idelalisib (GS-1101) in Combination with Ofatumumab for Previously Treated Chronic Lymphocytic Leukemia
Simon Durrant	Haem Staff	Comfort Rollover – Clinical trial of patients who have completed a prior global Novartis or Incyte sponsored ruxolitinib (INC424) study and are judged by the investigator to benefit from continued treatment
Simon Durrant	Haem Staff	ROBIN BDM3502 – Clinical trial of Bendamustine compared to physician's choice in the treatment of NonHodgkin's Lymphoma
Simon Durrant	Haem Staff	Amgen Blincyto 292 Verdi – Clinical trial comparing Blinatumomab to Standard of Care
Simon Durrant	Haem Staff	Novartis Harmony – Clinical trial of Ruxolitinib (INC424) and BKM120 in patients with Myelofibrosis
Jason Butler	Haem Staff	Acerta Ace-ly308 ECHO – Clinical trial of Bendamustine and Rituximab alone Versus in Combination with Acalabrutinib in Mantle Cell Lymphoma
Jason Butler	Haem Staff	ALLG ALL NHL 29 – Clinical trial of Ibrutinib, Rituximanb and mini-CHOP therapy in very elderly patients with newly diagnosed DLBCL
Jason Butler	Haem Staff	Amgen Candor 275 – Clinical trial of Carfilzomib, Dexamethasone, and Daratumumab to Carfilzomib and Dexamethasone for the Treatment of Patients With Relapsed or Refractory Multiple Myeloma
Jason Butler	Haem Staff	Novartis REACH 2 – Clinical trial of ruxolitinib vs. best available therapy in patients with corticosteroid-resistant acute graft vs. host disease after allogeneic stem cell transplantation
Glen Kennedy	Haem Staff	Janssen VCAT – Clinical trial of Bortezomib Consolidation (With Thalidomide and Prednisolone) Vs Thalidomide and Prednisolone Alone in Previously Untreated Subjects With Multiple Myeloma
Glen Kennedy	Haem Staff	ALLG AML M16 – Clinical trial of Sorafenib in Combination with Intensive Chemotherapy for Previously Untreated Adult FLT3-ITD Positive AML
Glen Kennedy	Haem Staff	ALLG AML NBCR M18 – National Blood Cancer Registry
Glen Kennedy	Haem Staff	Amgen Onyx Endeavor - Clinical trial of Carfilzomib Plus Dexamethasone vs Bortezomib Plus Dexamethasone in Patients with Relapsed Multiple Myeloma
Glen Kennedy	Haem Staff	Celgene IDHENTIFY – Clinical trial of Orally Administered AG-221 Versus Conventional Care Regimens in Subjects with Isocitrate Dehydrogenase 2 Mutation Positive Acute Myeloid Leukemia

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Glen Kennedy	Haem Staff	Sabrina – Clinical trial of rituximab subcutaneous in combination with CHOP or CVP versus rituximab IV in combination with CHOP or CVP in follicular lymphoma
Geoff Hill	Haem Staff	PCYC 1140-IM ICON Integrate – Clinical trial of Ibrutinib in Combination With Corticosteroids versus Placebo in Combination With Corticosteroids in Subjects with New Onset Chronic Graft Versus Host Disease (cGVHD)
Geoff Hill	Haem Staff	IL-17 – Observational study of IL-17-related cytokines in stem cell transplantation
Geoff Hill	Haem Staff	TREG Apheresis - Developing a method to generate regulatory T cells from healthy donors
Geoff Hill	Haem Staff	IR Auto – Observational study of immune reconstitution in patients undergoing autologous stem cell transplantation
Geoff Hill	Haem Staff	IR Allo - Observational study of immune reconstitution following stem cell transplantation
Cameron Curley	Haem Staff	JNJ AML 2002 – Clinical trial of DACOGEN (Decitabine) Plus JNJ-56022473 (Anti CD123) Versus DACOGEN (Decitabine) Alone in Patients with AML
Cameron Curley	Haem Staff	Celgene MDS-006 FUSION – Clinical trial in CC-486 (Oral Azacitidine) Alone in Combination With Durvalumab (MEDI4736) in Subjects With Myelodysplastic Syndromes
Kirk Morris	Haem Staff	Pomalidomide - "Real world" review of efficacy and safety of pomalidomide in Australian patients with relapsed refractory myeloma
Nicholas Weber	Haem Staff	AMaRC Janssen – Clinical trial of bortezomib, cyclophosphamide and dexamethasone induction (VCD) compared with VCD and daratumumab induction followed by daratumumab maintenance (VCDD) for the initial treatment of transplant ineligible patients with multiple myeloma.
Nicholas Weber	Haem Staff	Pilot study of 68Ga-Pentixafor positron emission tomography (PET) imaging in multiple myeloma
Nicholas Weber	Haem Staff	Beta-lactam PK/PD in febrile neutopenia (Patient population: patients undergoing intensive chemotherapy with anticipated duration of neutropenia > 7 days)
Nicholas Weber	Haem Staff	Tolerability of early enteral feeding during allogeneic haematopoietic progenitor cell transplantation: a randomized comparison with 'standard' parenteral nutritional support.
Steven Lane	Haem Staff	APML5 – clinical trial of oral arsenic in AML
Steven Lane	Haem Staff	AML M21: sorafenib and azacitidine in AML
Steven Lane		AML genomic analysis
Steven Lane		Blood Cancer Lead, BDHP
Ashleigh Scott	Glen Kennedy, Siok Tey, Paul Thomas, David Pattison	"Pilot study of 18FGE-180-PET to assess acute gastrointestinal graft versus host disease."
Ashleigh Scott	Leo Francis	"Histological features and anti-TSPO immunohistochemistry (anti-TSPO IHC) in acute gastrointestinal graft versus host disease (GI-GVHD)."
Andrea Henden	Geoff Hill, Glen Kennedy, Simon Durrant, Jason Butler, Ashish Misra, Siok Tey, Elango Subramonia-Pillai, Cameron Curley	A phase I / II study of pegylated-Interferon-2alpha for relapsed haematological malignancy after allogeneic haematopoietic progenitor cell transplantation (HPCT)
Kate Markey	Geoff Hill, Glen Kennedy, BMT physicians	Rapid diagnostic test for identification of blood stream infection in febrile haematology patients: pilot sample collection for test optimisation and validation

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Steven Lane	Cancer Researcher of the Year	Cure Cancer Australia
Steven Lane	Centenary Fellow	CSL Centenary Fellowship
Haem / BMT Clinical Trial Team	Highly Commended: Haem/BMT Clinical Trials Unit	2017 Metro North Research Excellence Awards
Kate Markey	Abstract Achievement Award	ASH Annual meeting
Kate Markey	Best Abstract Presentation	Cancer Care Research Retreat 2017, Cancer Care Services, RBWH

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Steven Lane	Clinical Haematologist, RBWH	Genetic modelling of MPN progression	Cancer Australia	\$100k	\$200k over 2 years
Steven Lane	Clinical Haematologist, RBWH	Understanding Chemoresistance in AML	CSL Centenary Fellowship	\$250k	\$1.25m over 5 years
Steven Lane	Clinical Haematologist, RBWH	Targeting Leukaemia Stem cells through inhibition of telomerase	NHMRC Project Grant	\$219,000	\$657,000 (2016-2018)
Steven Lane	Clinical Haematologist, RBWH	The evolution of acute myeloid leukaemia through the in situ transformation of haematopoietic stem cells	NHMRC Project Grant	\$215,667	\$647,000 (2016-2018)
Steven Lane	Clinical Haematologist, RBWH	Deciphering the overlapping roles of SSB1 and SSB2 in the regulation of haematopoiesis and intestinal homeostasis	NHMRC Project Grant	\$239,750	\$959,000 (2015-2018)
Ashleigh Scott	Cancer Care	"Pilot study of 18FGE-180-PET to assess acute gastrointestinal graft versus host disease."	RBWH Foundation Diamond Care Grants	\$40,000	\$40,000 (2017-18)
Ashleigh Scott	Cancer Care	"Histological features and anti-TSPO immunohistochemistry (anti-TSPO IHC) in acute gastrointestinal graft versus host disease (GI-GVHD)."	Pathology Queensland Study Education and Research Committee (SERC)	\$2978.16	\$2956 (2017-18)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Nienke Zomerdijk	Cancer Care	The psychosocial impact of donating haematopoietic stem cells on adult related donors	Australian Postgraduate Award	\$26,000	\$78,000 2015-2018
Nienke Zomerdijk	Cancer Care	The psychosocial impact of donating haematopoietic stem cells on adult related donors	RBWH Foundation Diamond Cancer Care Grant	\$5,000	\$5,000 (2017-2018)
Nienke Zomerdijk	Cancer Care	The psychosocial impact of donating haematopoietic stem cells on adult related donors	RBWH Foundation Top Up Scholarship	\$8,000	\$16,000 (2017-2018)
Siok Tey	Bone Marrow Transplant/ Haematology	The interplay between IL-6 and GVHD on anti-viral and anti-leukemic immunity	NHMRC Project Grant	\$163,125	\$489,376
Prof Geoff Hill	Director of Research – CCS RBWH	Immunological therapies for cancer, chronic infection and autoimmunity.	NH&MRC Program grant: APP1071822	\$396,000	\$11,797,530 (2015-2019)
Prof Geoff Hill	Director of Research – CCS RBWH	RORgt inhibition as a novel therapeutic for the prevention of GVHD after allogeneic BMT.	Cancer Council Qld	\$100,000	\$200,000 (2016-2017)
Prof Geoff Hill	Director of Research – CCS RBWH		NHMRC senior Principal research Fellowship	\$187,600	\$938,900; (2016-2020)
Prof Geoff Hill	Director of Research – CCS RBWH		NHMRC Centre of Research Excellence	\$500,000	\$2,500,000 (2017-2022)
Prof Geoff Hill	Director of Research – CCS RBWH		Australian Cancer Research Foundation	\$875,000	\$1,750,000 (2017-2018)
Prof Geoff Hill	Director of Research – CCS RBWH		NHMRC Project Grant	\$364,000	\$1,459,151 (2018-2021)
Kate Markey	Clinical Haematology Registrar		QLD Health Junior Research Fellowship	\$250,000	\$500,000 (2016-2018)
Steven Lane	Clinical Haematologist, RBWH		NHMRC Project Grant	\$219,000	\$657,000 (2016-2018)
Steven Lane	Clinical Haematologist, RBWH		NHMRC Project Grant	\$215,667	\$647,000 (2016-2018)
Steven Lane	Clinical Haematologist, RBWH		NHMRC Project Grant	\$239,750	\$959,000 (2015-2018)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Shi W*, Vu T*, Boucher D, Biernacka A, Nde J, Pandita RK, Straube J, Boyle GM, Al-Ejeh F, Nag P, Jeffrey J, Harris JL, Bain AL, Grzelak M, Skrzypczak M, Mitra A, Dojer N, Crosetto N, Cloonan N, Becherel OJ, Finnie J, Skaar JR, Walkley CR, Pandita TK, Rowicka M, Ginalska K, Lane SW , Khanna KK#. Ssb1 and Ssb2 cooperate to regulate mouse hematopoietic stem and progenitor cells by resolving replicative stress. Blood 2017, 129(18): 2479-92 *Co-first author, #Co-corresponding author.
Journal Article	Prestipino A, Emhardt AJ, Aumann K, O'Sullivan D, Gorantla SP, Duquesne S, Melchinger W, Braun L, Vuckovic S, Boerries M, Busch H, Halbach S, Pennisi S, Poggio T, Apostolova P, Veratti P, Hettich M, Niedermann G, Bartholoma M, Shoumariyeh K, Jutzi J, Wehrle J, Dierks C, Becker H, Schmitt-Graeff A, Folio M, Pfeifer D, Rohr J, Fuchs S, Ehl S, Hartl F, Minguet S, Miething C, Heidel F, Kroger N, Trivai I, Brummer T, Finke J, Illert L, Duyster J, Pahl HL, Lane SW , Hill GR , Blazar BR, von Bubnoff N, Pearce EL, Zeiser R. Oncogenic JAK2 activation causes PD-L1 expression via STAT3/STAT5-phosphorylation mediating immune-escape in myeloproliferative neoplasms. Science Translational Medicine 2017, In Press
Journal Article	Porter AH, Leveque-El Mouttie L, Vu T, Bruedigam C, Sutton J, Jacquelin S, Hill GR, MacDonald KPA, Lane SW . Acute myeloid leukemia stem cell function is preserved in the absence of autophagy. Haematologica 2017, In Press
Journal Article	Chong C, Venugopal P, Stokes P, Lee Y, Brautigan P, Yeung D, Babic M, Engler G, Lane SW , Klingler-Hoffmann M, Matthews J, D'Andrea R, Brown A, Hahn C, Scott H. Differential effects on gene transcription and hematopoietic differentiation correlate with GATA2 mutant disease phenotypes. Leukemia 2017. In Press
Journal Article	Tate C , Tang F, Lane SW , Seymour L . Clinical and molecular categorization of progressive, adult-onset cutaneous mastocytosis. Journal of American Academy of Dermatology 2017. DOI 10.1016/j.jidcr.2017.09.038
Journal Article	Lane SW , Heidel FH. Hacking the stem cell niche, Blood 2017. In Press
Journal Article	Casolari DA, Nguyen T, Butcher CM, Iarossi DG, Hahn CN, Bray SC, Neufing P, Parker WT, Feng J, Maung KZY, Wee A, Vidovic L, Kok CH, Bardy PG, Branford S, Lewis ID, Lane SW , Scott HS, Ross DM, D'Andrea RJ. A novel, somatic, transforming mutation in the extracellular domain of Epidermal Growth Factor Receptor identified in myeloproliferative neoplasm. Sci Rep. 2017 May 26;7(1):2467. doi: 10.1038/s41598-017-02655-7.
Journal Article	Vuckovic S, Kate Vandyke K, Rickards DA, McCauley-Winter P, Brown SHJ, Mitchell TW, Liu J, Lu J, Askenase PW, Yuriev E, Capuanoo B, Ramsland PA, Hill GR , Zannettino ACW and Hutchinson AT. The cationic small molecule GW4869 is cytotoxic to high phosphatidylserine-expressing myeloma cells. Br. J. Haematol. 2017, 177(3):423-440.
Journal Article	Bunting MD, Varelias A, Souza-Fonseca-Guimaraes F, Schuster IS, Lineburg KE, Kuns RD, Fleming PR, Locke KR, Huntington ND, Blazar BR, Lane SW , Tey SK , MacDonald KPA, Smyth MJ, Degli-Esposti MA and Hill GR . GVHD prevents NK-cell-dependent leukemia and virus-specific innate immunity. Blood 2017, 129:630-642
Journal Article	Gartlan KH, Varelias A, Koyama M, Robb RJ, Markey KA , Chang K, Wilkinson AN, Smith D, Ullah A, Kuns RD, Raffelt NC, Olver SD, Lineburg KE, Teal BE, Cheong M, Teng MW, Smyth MJ, Tey SK , MacDonald KP and Hill GR. Th17 plasticity and transition towards a pathogenic cytokine signature is regulated by cyclosporine after allogeneic-SCT. Blood Advances 2017, 1 (6), 341-351
Journal Article	Varelias A, Ormerod KL, Bunting MD, Koyama K, Gartlan KH, Kuns RD, Lachner N, Locke KR, Lim CY, Henden AS, Zhang P, Clouston AD, Hasnain SZ, McGuckin MA, Blazar BR, MacDonald KPA, Hugenholtz P and Hill GR . Acute graft-versus-host disease is regulated by an IL-17-sensitive microbiome. Blood 2017, 129(15):2172-2185
Journal Article	Zhang P, Lee JS, Gartlan KH, Schuster I, Comerford I, Varelias V, Ullah A, Vuckovic S, Koyama M, Kuns RD, Locke KR, Beckett KJ, Olver SD, Samson LD, Montes de Oca M, de Labastida Rivera F, Clouston AD, Belz GT, Blazar BR, MacDonald KP, McColl SR, Thomas RT, Engwerda CR, Degli-Esposti MA, Kallies A, Tey SK , and Hill GR . Eomesodermin promotes the development of type-1 regulatory T cells. Science Immunology 2017, 2, eaah7152.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Du J, Flynn R, Paz K, Vulic A, Robinson TM, Lineburg KE, Meng J, Roy S, Panoskaltsis-Mortari A, Hill GR , Serody JS, Maillard I, Miklos DB, Koreth J, Cutler CS, Anti JH, Ritz J, MacDonald KPA, Schacker TW, Luznik L, and Blazar BR. Pirfenidone Ameliorates Murine Chronic Graft-Versus-Host Disease Through Inhibition of Macrophage Infiltration and TGF- β Production. <i>Blood</i> 2017, 129(18):2570-2580.
Journal Article	AL-Kouba J, Wilkinson A, Starkey MR, Rudraraju R, Werder R, Liu X, Law S, Horvat JC, Brooks JF, Hill GR , Davies JM, Phipps S, Hansbro PM, Steptoe RJ. Allergen-encoding bone-marrow transfer inactivates allergic T-cell responses, alleviating airways inflammation. <i>JCI Insight</i> . 2017, Jun 2;2(11). pii: 85742
Journal Article	Forcade E, Paz K, Flynn R, Griesenauer B, Amet T, Li W, Liu L, Jiang D, Chu HW, Lobera M, Yang J, Wilkes DS, Du J, Gartlan K, Hill GR , MacDonald KPA, Espada EL, Blanco P, Cutler CS, Antin JH, Soiffer RJ, Ritz J, Paczesny S and Blazar BR. An Activated Th17-Prone T-cell subset involved in Chronic Graft-versus-Host Disease Sensitive to Pharmacological Inhibition. <i>JCI Insight</i> . 2017, Jun 15;2(12). pii: 92111.
Journal Article	Sebina I, Fogg LC, James KR, Soon MSF, Akter J, Thomas BS, Hill GR , Engwerda, CR, Haque A. IL-6 promotes CD4 T cell and B cell activation during plasmodium infection. <i>Parasite Immunol</i> . 2017, Oct;39(10). doi: 10.1111/pim.12455.
Journal Article	Gartlan KH,* Bommiasamy B,* Paz P, Wilkinson AN, Owen M, Reichenbach DK, Banovic T, Wehner K, Buchanan F, Varelias A, Kuns RD, Chang K, Fedoriw Y, Shea T, Coghil J, Zaiken M, Plank MW, Foster PS, Clouston AD, Blazar BR,* Serody JS* and Hill GR* . A Critical Role for Donor-Derived IL-22 in Cutaneous Chronic GVHD. <i>Am J Transplant</i> . 2017, Sep 23. doi: 10.1111/ajt.14513
Journal Article	Mittal D, Vijayan D, Putz EM, Aguilera AR, Markey KA , Straube J, Kazakoff S, Nutt SL, Takeda K, Hill GR , Waddell N, Smyth MJ. IL-12 from Cd103+ Batf3-dependent dendritic cells is required for NK-cell suppression of metastasis. <i>Cancer Immunol Res</i> . 2017, Oct 25. pii: canimm.0341.2017. doi: 10.1158/2326-6066.CIR-17-0341.
Journal Article	Straube J, Ling YV, Hill GR , Lane SW . The impact of age, NPM1mut and FLT3ITD allelic ratio in patients with acute myeloid leukemia. <i>Blood</i> 2017. Nov 28. pii: blood-2017-09-807438. doi: 10.1182/blood-2017-09-807438.
Journal Article	Lynch J, Werder R, Loh Z, Sikder AA, Curren B, Zhang V, Rogers M, Lane K, Simpson J, Mazzone S, Spann K, Hayball J, Diener K, Everard ML, Blyth CC, Forstner C, Dennis P, Murtaza N, Morrison M, O' Cuiv P, Zhang P, Hill GR , Sly P, Haque A, Upham J, and Phipps S. Plasmacytoid DCs protect from viral bronchiolitis and asthma through semaphorin 4a-mediated Treg expansion. <i>J. Exp. Med</i> . 2017, In Press
Journal Article	Markey K , Kuns RD, Browne DJ, Gartlan KH, Robb RJ, JP Martins, Henden AS, Minnie SA, Cheong M, Koyama M, Smyth MJ, Steptoe RJ, Belz G, Brocker T, Degli-Esposti MA, Lane SW , and Hill GR . Flt-3L expansion of recipient CD8 α + dendritic cells deletes alloreactive donor T cells and represents an alternative to post-transplant cyclophosphamide for the prevention of GVHD. <i>Clin. Can. Res</i> . 2017, In Press
Journal Article	MacDonald KP, Hill GR* , Blazar BR*. Chronic graft-versus-host disease: biological insights from preclinical and clinical studies. <i>Blood</i> 2017, Jan 5;129(1):13-21.
Journal Article	MacDonald KP, Blazar BR*, Hill GR* . Cytokine mediators of chronic graft-versus-host disease. <i>J. Clin. Invest</i> . 2017, 127(7):2452-2463.
Journal Article	Blazar BR, MacDonald KP, Hill GR . Immune regulatory infusion for GVHD prevention and therapy. <i>Blood</i> , 2017, In Press
Journal Article	Markey KA , Hill GR . Cytokines in Hematopoietic Stem Cell Transplantation. In <i>Cytokine Effector Function in Tissues</i> . 2017 Editors: Foti, M and Locati, M. Elsevier, Academic Press, 2017. In Press
Journal Article	Hill GR . Bone marrow transplantation under regulatory T cell cover to induce donor-specific tolerance. <i>Transplantation</i> 2017, 101(2):232-233.
Journal Article	Snowden JA, Hill GR . Conditioning regimens for autologous haematopoietic stem cell transplantation – can NK cell therapy help? <i>Br. J. Haematol</i> . 2017, 177(3):341-342

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Scott A ^{1,2,3} , Weber N ³ , Tiley C ⁴ , Taylor K ⁵ , Taper J ⁶ , Harrison S ⁷ , Chan KL ⁷ , Stark R ⁸ , Lee C ⁹ , Morris K ³ , Ho PJ ¹⁰ , Dodds A ¹¹ , Ramanathan S ¹² , Ramakrishna R ¹³ , Watson AM ¹⁴ , Auguston B ¹⁵ , Kwok F ¹⁶ , Quach H ¹⁷ , Warburton P ¹⁸ , Rowlings P ¹⁹ , Mollee P ^{1,2} . 'Real-world' Australian experience of pomalidomide for relapsed and refractory myeloma. <i>Leuk Lymphoma</i> . 2017 Oct 12;1-3. doi: 10.1080/10428194.2017.1387911
Journal Article	Lim AB, Curley C , Fong CY, Bilmon I, Beligaswatte A, Purtill D, Getta B, Johnston AM, Armytage T, Collins M, Mason K, Fielding K, Greenwood M, Gibson J, Hertzberg M, Wright M, Lewis I, Moore J, Curtis D, Szer J, Kennedy G , Ritchie D. Acute Myeloid Leukaemia relapsing after allogeneic haematopoietic stem cell transplantation: prognostic factors and impact of initial therapy of relapse. <i>Intern Med J</i> 2017 Jun 19. Doi:10.1111/imj.135222 (epub).
Journal Article	Yue MC , Collins JT , Subramoniapillai E & Kennedy GA The successful use of oseltamivir prophylaxis in managing a nosocomial outbreak of Influenza A in a hematology and allogeneic stem cell transplant unit. <i>Asia Pacific Journal of clinical Oncology</i> . 2017; 13 (1): 37-43.
Journal Article	Mediwake H , Morris K , Curley C , Butler J , Kennedy G . Use of Brentuximab vedotin as salvage therapy pre-allogeneic stem cell transplantation in relapsed / refractory CD30 positive lymphoproliferative disorders: a single centre experience. <i>Intern Med J</i> . 2017 Mar 1. doi: 10.1111/imj.13415.
Journal Article	Nakagaki M , Barras M , Curley C , Butler JP & Kennedy GA . A randomized trial of olanzapine versus palonosetron versus infused ondansetron for the treatment of breakthrough chemotherapy induced nausea and vomiting in patients undergoing hematopoietic stem cell transplantation Supportive Care in Cancer. 2017; 25 (2): 607-613.
Journal Article	Swords RT, Greenberg PL, Wei AH, Durrant S , Advani AS, Hertzberg MS, Lewis ID, Rivera G, Gratzinger D, Fan AC, Felsner DW, Cortes JE, Watts JM, Yarranton GT, Walling JM, Lancet JE. Corrigendum to "KB004, a first in class monoclonal antibody targeting the receptor tyrosine kinase EphA3, in patients with advanced hematologic malignancies: Results from a phase 1 study" [<i>Leuk. Res.</i> 50 (Nov) (2016) 123-131. PubMed PMID: 27736729]. <i>Leuk Res</i> . 2017 Aug;59:65. doi: 10.1016/j.leukres.2017.02.007.
Journal Article	Ong SY, Gurrin LC, Dolling L, Dixon J, Nicoll AJ, Wolthuizen M, Wood EM, Anderson GJ, Ramm GA, Allen KJ, Olynyk JK, Crawford D, Ramm LE, Gow P, Durrant S , Powell LW, Delatycki MB. Reduction of body iron in HFE-related haemochromatosis and moderate iron overload (Mi-Iron): a multicentre, participant-blinded, randomised controlled trial. <i>Lancet Haematol</i> . 2017 Dec;4(12):e607-e614. doi: 10.1016/S2352-3026(17)30214-4.
Journal Article	Hochhaus A, Larson RA, Guilhot F, Radich JP, Branford S, Hughes TP, Baccarani M, Deininger MW, Cervantes F, Fujihara S, Ortmann CE, Menssen HD, Kantarjian H, O'Brien SG, Druker BJ; IRIS Investigators . Long-Term Outcomes of Imatinib Treatment for Chronic Myeloid Leukemia. <i>N Engl J Med</i> . 2017 Mar 9;376(10):917-927. doi: 10.1056/NEJMoa1609324.
Journal Article	Mediwake H , Curley C , Butler J , McLean A , Tey S , Hill GR , Morton A , Misra A , Subramoniapillai E , Durrant S , Kennedy GA . Mismatched unrelated donor allogeneic stem cell transplant for high risk haematological malignancy: A single centre experience. <i>Blood Cancer J</i> . 2017 Dec 15;7(12):655. doi: 10.1038/s41408-017-0012-0.
Journal Article	Button E, Chan R, Chambers S, Butler J , Yates P. Lack of Palliative Mortality Prediction Tools for People with a Hematological Malignancy: Call for Action. <i>J Palliat Med</i> . 2017 Aug;20(8):802-803. doi: 10.1089/jpm.2017.0024. Epub 2017 Jun 8.
Journal Article	Button E, Chan RJ, Chambers S, Butler J , Yates P. A systematic review of prognostic factors at the end of life for people with a hematological malignancy. <i>BMC Cancer</i> . 2017 Mar 23;17(1):213. doi: 10.1186/s12885-017-3207-7.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Partial response after induction chemotherapy has clinical relevance in acute myeloid leukaemia Fleming S, Ong DM, Jackson K, Avery S, Mollee P, Marlton P, Kennedy G & Wei AH. British Journal of Haematology, 2017; 177 (2): 328-330.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Bruedigam C, ... Lane SW. Replicative stress as a sensitizer of telomerase response in AML. American Society of Hematology, Atlanta GA. Oral Session
Invited	Lane SW. Dnmt3a in advanced myeloproliferative neoplasm. Normal and Malignant Stem Cells Symposium, DKFZ (German Cancer Centre), Heidelberg, Germany.
Invited	Lane SW. Brisbane Cancer Conference, Brisbane wide haematology clinical trials network. Brisbane Nov 2017, Invited speaker
Invited	Lane SW. RBWH Cancer Care Annual Retreat, The interaction of genomics and clinical factors in predicting the prognosis of patients with AML. Brisbane, Nov 2017. Selected abstract
Invited	Lane SW. QIMR Berghofer Proteomics Symposium, Does the immune system control leukaemia growth? October 2017. Invited plenary speaker.
Invited	Lane SW. CSL Centenary Fellow Symposium, Invited Speaker. Parkville, Vic. October 2017
Invited	Lane SW. Career Development Panel – Kids Cancer Alliance, Sydney Nov 2017. Invited Speaker
Invited	Lane SW. Getting into research, Australia and New Zealand Head and Neck Cancer Society, Brisbane October 2017. Invited Plenary Speaker
Invited	Lane SW. The preclinical efficacy of targeting telomerase in AML. Australian Human Genomics Association, Brisbane August 2017. Invited plenary speaker
Invited	Lane SW. Translating new targets for AML into clinical practice, Australian Cell Cycle Meeting, Sydney 2017. Invited speaker
Invited	Lane SW. New drugs for AML evolving from MPN. MPN Advocacy and Education Program. April 2017, Melbourne. Invited plenary speaker
Invited	Lane SW. The role of big data to predict clinically relevant outcomes in AML. RBWH Symposium, Invited Speaker. Brisbane, Sept 2017
Oral	Scott, A, Tey SK, Butler JP, Kennedy GA. “Diagnostic utility of endoscopy and biopsy in suspected acute gastrointestinal graft versus host disease (GI-GVHD).” HAA Annual Scientific Meeting, Sydney 2017.
Poster	Acute myeloid leukaemia in the elderly - retrospective audit of current local practice and outcomes Cleary R, Weber N, Butler J & Kennedy G Haematology Society of Australia and New Zealand, 2017 Congress, Sydney
Poster	Comparison of Dinakara and Cotes method on correction of diffusion limit of carbon monoxide and the impact on Hematopoietic Cell Transplantation-Specific Comorbidity Index (HCT-CI) Wang T, Kennedy G, Curley C & Butler J Haematology Society of Australia and New Zealand, 2017 Congress, Sydney
Poster	Catheter-associated bloodstream infections (CA-BSI) in adults with cancer: a prospective randomized controlled trial Mollee P, Okano S, Looke D, Kennedy G, Harper J, Clouston J, Kuilenburg RV, Geary A, Joubert W, Eastgate M & Jones M American Society of Hematology 59th Annual Meeting, Atlanta, USA

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Zomerdijk, N. A Multi-Center, Prospective, Exploratory Study of the Psychosocial Impact of Donating Haematopoietic Stem Cells on Adult Sibling Donors; Preliminary Findings. The Australasian Society for Behavioural Health and Medicine and Australian Psychological Society Conference, 2017
Poster	Zomerdijk, N. Information and Psychosocial Support Care Needs Amongst Adults Donating Haematopoietic Stem Cells to a Relative – a Prospective Study. The 26th Annual RBWH Healthcare Symposium, 2017.
Poster	Zomerdijk, N. Information and Psychosocial Support Care Needs Amongst Adults Donating Haematopoietic Stem Cells to a Relative – Preliminary Results. The RBWH Cancer Care Services Research Retreat, 2017.
Poster	Andrea Henden, Glen Kennedy, Simon Durrant, Jason Butler, Ashish Misra, Siok Tey, Elango Subramonia-Pillai, Cameron Curley, Geoff Hill. A phase I / II study of pegylated-Interferon-2alpha for relapsed haematological malignancy after allogeneic haematopoietic progenitor cell transplantation (HPCT) Brisbane Immunology Group, August 2017
Poster	Markey KA, ... Hill GR. In vivo expansion of recipient DC leads to deletion of donor alloreactive CD8+ T cells and is an alternative to post-transplant cyclophosphamide for the prevention of GVHD after BMT. ASH Annual meeting, Atlanta, USA, December 2017.
Poster	Catchpoole EM, Hill GR, Markey KA. Blood stream infections following allogeneic BMT: A single centre experience. The Haematology Association of Australia (HAA) Annual meeting, Sydney, 2017.
Oral	Gray M, ... Markey KA. Towards a rapid molecular test for diagnosis and prediction of blood stream infection. Lorne Infection and Immunity, February 2017.
Invited	Hill GR. Distinguished Lecture, Fred Hutchinson Cancer Centre. New advances in GVHD.
Invited	Hill GR. Invited lecture, University of Miami, Miami, USA. New concepts in graft-versus host disease.
Oral	Hill GR. International workshop in GVHD, Regensburg, Germany, Plenary lecture. The role of APCs in acute and chronic GVHD.

CANCER CARE NURSING PROFESSORIAL PRECINCT

Aims of research group

The Cancer Nursing Professorial Precinct is a strategic collaboration between nurses in Cancer Care Services, Royal Brisbane and Women's Hospital (RBWH) and academics in the School of Nursing, Queensland University of Technology (QUT). The Precinct is led by Professor Patsy Yates. The aim of the Precinct is to build capacity for embedding research and innovation into day-to-day clinical practice, and develop a world-class academic comprehensive cancer centre that improves patient outcomes. The Precinct is creating a thriving culture of research that delivers continuous service improvement and evidence-based care.

Clinical benefits of research

Key areas of the Precinct's research programme include service delivery improvement, vascular access device management, prevention of blood stream infections, managing treatment toxicities, survivorship care, and palliative care. In 2017, the Precinct conducted research or quality improvement projects that were driven by the needs of the service line including developing a registry to track complications of central venous access devices, and providing pro-active palliative care for people at risk of dying. A strength of the Precinct lies in the number of high-quality trials conducted investigating best practice management of vascular access devices. All research conducted in the Precinct is patient-centred and seeks to improve the care of patients in clinical practice. The broad body of work conducted will lead to improved outcomes for people living with and beyond treatment for cancer through personalised healthcare interventions and health service innovation at a local and international level. Locally, the Evidence-Based Practice program enables excellence in delivery of nursing care in the clinical areas. The international impact of the work conducted in the Precinct is demonstrated by the number of publications and presentations.

Grants / awards received in 2017

In 2017, the Precinct's research activities were funded by a wide range of sources including the National Health and Medical Research Council, the RBWH Foundation, professional bodies (such as the Cancer Nursing Society of Australia), academic institutions, and industry partners. Cancer Care Services has a strong culture of nurses pursuing post-graduate study and research higher degrees. In 2017, several nurses continued such studies and were awarded competitive scholarships. Two nurses completed higher degree research qualifications. Other highlights include members of the precinct receiving a total of eight awards.

Research collaborations

A key strength of the Cancer Nursing Professorial Precinct lies in the team's ability to collaborate widely. In 2017, RBWH cancer nurses worked with academic institutions including QUT, Griffith University, University of Southern Queensland, University of Queensland, and Bond University. Collaborations also occurred with the Princess Alexandra Hospital, and Gold Coast University Hospital. These collaborations continue to enhance the quality and impact of the research conducted in Cancer Care Services at the RBWH.

Please note: Professor Yates is jointly appointed as Director of the Cancer Care Nursing Professorial Precinct and Director of the Centre for Palliative Care Research and Education – refer to the Centre for Palliative Care Research and Education Report for full details of her research reporting.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Nicole Gavin	PhD, Griffith University (2012-2018)	The saFety of pArenteral nutrition regarding miCrobial growth and vascular catheTer-related infection (The FACT Study)	Claire Rickard , David MacMillan, Samantha Keogh
Julie Flynn	PhD, Griffith University (2015-2018)	Decontamination of central venous catheter needleless connectors.	Claire Rickard , Samantha Keogh , Li Zhang
Elise Button	PhD, QUT (2014-2017)	Identifying clinical indicators that signal a person with a haematological malignancy is at risk of deteriorating and dying	Patsy Yates , Raymond Chan , Shirley Chambers, Jason Butler
Sarah Northfield	Master of Applied Science (Research), QUT (2014-2017)	Identifying factors that influence specialist palliative care referrals for hospitalised patients with advanced cancer	Patsy Yates , Raymond Chan , John Rosenberg
Rae Blades	Master of Applied Science (Research), QUT (2016-2019)	A cost-effectiveness analysis of a silicone gel (StrataXRT®) for prophylaxis and management of Radiation Induced Skin Injury in head and neck cancer patients.	Patsy Yates , Raymond Chan , Steven McPhail
Therese Hayes	Master of Applied Science (Research), QUT (2016-2019)	Unmet care needs in elderly patients with a haematological malignancy	Raymond Chan , Patsy Yates
Robyn Matthews	Master of Applied Science (Research) QUT (2016-2019)	End-of-life care education and training essentials of health professionals in the acute care setting	Raymond Chan , Patsy Yates
Justine Leach	Master of Applied Science (Research), QUT (2016-2019)	Nurse-led Clinics in Cancer Care Services	Raymond Chan , Patsy Yates
Natasha Roberts	PhD, QUT (2016-2019)	Patient Reported Outcomes in the Medical Oncology Setting (iPROMOs)	Monika Janda, Kimberly Alexander, David Wyld
Mary-Ellen Yarker	MPhil, QUT (2017-2019)	The patients' perception of shared decision making when receiving chemotherapy and radiation treatment	Carol Windsor, Jenny Fox

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Nicole Gavin	Co-joint nurse researcher, QUT and RBWH Cancer Care Services	School of Nursing	Queensland University of Technology (2017 - current)
Elise Button	Co-joint nurse researcher, QUT and RBWH Cancer Care Services	School of Nursing	Queensland University of Technology (2017 - current)
Raymond Chan	Professor of Nursing QUT and MNHHS, Professorial Precinct Lead	School of Nursing	Queensland University of Technology
Patsy Yates	Head, School of Nursing, QUT, Professorial Precinct Lead	School of Nursing	Queensland University of Technology (ongoing)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Nicole Gavin	Nicole Gavin, Gillian Nasato, Nicole Marsh, Emily Larsen, Sarah Northfield, Glen Kennedy, David Wyld, Michael Smith, Krispin Hajkowicz (ID), Trent Atkinson (DMI), Barbara Hower (VASE), Fiona Coyer (QUT), Alison Alexander, Patsy Yates, Peter Mollee (PAH).	Central Venous Access Device Registry
Nicole Gavin	Nicole Gavin, Gillian Nasato, Sarah Northfield, Shelley Kulperger (MN Consumer Engagement), Mirko Guaralda (QUT), Glen Kennedy, David Wyld, Elise Button, Michael Smith, Krispin Hajkowicz (ID), Graham Steel (EDMS), Trish Hurst (IC), Janelle Zillmann (IC), Bridget Heinemann (Comms), Alison Alexander, Jared Donovan (QUT), Glenda Caldwell (QUT), Markus Rittenbruch (QUT), Cynthia Cliff (QUT), Kaye Petherick (QUT).	Collaborative Engagement Strategy Study: Hand Hygiene
Nicole Gavin	Nicole Gavin, Amanda Ullman (GU), Tricia Kleidon (LCCH), Nicole March (CCN), Emily Larsen, Jill Campbell (Skin Integrity), Claire Rickard (GU).	Estimating the prevalence of impaired skin surrounding devices: The EPISODE Study
Nicole Gavin	Nicole Gavin, Amanda Ullman (GU), Tricia Kleidon (LCCH), Claire Rickard (GU), Li Zhang (GU), Emily Larsen	Peripherally Inserted Central Catheter Outcomes Polyurethane versus Endoxo: the PICCOMPARE Trial.
Nicole Gavin	Claire Rickard, Nicole Gavin, David MacMillan, Samantha Keogh, Gillian Ray-Barruel	The safety of parenteral nutrition regarding microbial growth and vascular catheter-related infection (The FACT Study)
Emily Larsen	Emily Larsen, Nicole Marsh, Nicole Gavin, Julie Flynn, Joan Webster	Cancer care: The risk factors of venous access failure (CAREtaker Study)
Julie Flynn	Claire Rickard, Samantha Keogh, Li Zhang	Decontamination of central venous catheter needleless connectors.
Sarah Northfield	Patsy Yates, Raymond Chan, John Rosenberg	Identifying factors that influence specialist palliative care referrals for hospitalised patients with advanced cancer
Elise Button	Patsy Yates, Raymond Chan, Shirley Connell, Jason Butler	Clinical indicators that identify risk of deteriorating and dying in people with a haematological malignancy

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Elise Button	Gillian Nasato, David Wyld, Patsy Yates, Eileen Fennelly, Jenni Leutenegger, Rae Blades, Jadwiga Chabrowska, Michael Smith, Sarah Northfield, Nicole Gavin	RBWH Cancer Care Services model of care: working to reduce avoidable emergency presentations and hospitalisations
Raymond Chan	Patsy Yates , Jane Turner, Brett Hughes, Raymond Chan	Development and evaluation of a tailored fatigue self-management behavioural intervention for patients with advanced cancer.
Raymond Chan	Louisa Gordon, Adrienne Hudson, Natalie Bradford, Aaron Conway, Patsy Yates , Cherie Franks, Robyn Henderson, Richard Lakeman, Trisha Johnson, Tim Moffitt	Queensland Nurse Navigator Program Evaluation Pilot Study
Raymond Chan	Natalie Bradford, Patsy Yates , Ann Boner, Wolf Marx, Clint Douglas	Nurse-led models of care where the nurse takes a primary care role: a systematic review
Raymond Chan	Glen Kennedy, Patsy Yates , Jane Turner, Elise Button , Anthony Smith	A Multi-centre Randomised Controlled Trial of a Nurse-led Survivorship Intervention for EmpoweriNG pAtients with HodGkin's and Non-Hodgkin's Lymphoma after trEatment: (The ENGAGE Trial)
Rae Blades	Patsy Yates, Raymond Chan , Steven McPhail	A cost-effectiveness analysis of a silicone gel (StrataXRT®) for prophylaxis and management of Radiation Induced Skin Injury in head and neck cancer patients.
Therese Hayes	Raymond Chan, Patsy Yates	Unmet care needs in elderly patients with a haematological malignancy
Justine Leach	Raymond Chan, Patsy Yates	Nurse-led Clinics in Cancer Care Services
Robyn Matthews	Raymond Chan, Patsy Yates	End-of-life care education and training essentials of health professionals in the acute care setting
Mary-Ellen Yarker	Carol Windsor, Jenny Fox	The patients' perception of shared decision making when receiving chemotherapy and radiation treatment
Andrea Henden	Geoff Hill, Glen Kennedy, Simon Durrant, Jason Butler, Ashish Misra, Siok Tey, Elango Subramonia-Pillai, Cameron Curley	A phase I / II study of pegylated-Interferon-2alpha for relapsed haematological malignancy after allogeneic haematopoietic progenitor cell transplantation (HPCT)
Kate Markey	Geoff Hill, Glen Kennedy, BMT physicians	Rapid diagnostic test for identification of blood stream infection in febrile haematology patients: pilot sample collection for test optimisation and validation

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Kaye Petherick, Judith McLean, Lowanna Dunn, Deborah Anderson, Cynthia Cliff, Marisha McAuliffe (QUT)	Alison Alexander, Gillian Nasato, Michael Smith, Glen Kennedy (Cancer Care Services)	Cancer Care Information Portal for Cancer Patients in Brisbane's Metro North Area
Claire Rickard, Joan Webster, Raymond Chan, Peter Mollee, Geoffrey Playford, Li Zhang, Sam Keogh, Andrew Hallahan, Evan Alexandrou (Multiple institutions)	Nicole Gavin (Cancer Care Services)	Peripherally InSerted CEntral catheter dressing and Securement in cancer patients: the PISCES Trial. Protocol for a 2x2 factorial, superiority randomised controlled trial
Jessica Scaife, Alexandra McCarthy, Raymond Chan, Leanne Stone (Multiple institutions)	Nicole Gavin, Selena Hughes (Cancer Care Services)	Critical Appraisal of clinical guidelines for the management of neutropenic fever in patients with cancer
Carla Thamm, Alexandra McCarthy, Raymond Chan, Leanne Stone (Multiple institutions)	Selena Hughes (Cancer Care Services)	Specialist nurse-led Triage and Assessment at emergency department to improve patient outcomes and reduce wait time
Jane Campbell, Alexandra McCarthy, Raymond Chan, Leanne Stone (Multiple institutions)	Selena Hughes (Cancer Care Services)	Opioid and sedatives during bone-marrow aspiration
Amanda Ullman, Patricia Kleidon, Nicole Marsh, Karen Turner, Claire Rickard (Griffith University)	Nicole Gavin (Cancer Care Services)	Estimating Prevalence of Impaired Skin Surrounding Devices (the EPISODE Study)
Australia New Zealand Urogenital and Prostate Cancer Trials Group	Natasha Roberts	The Patient Experience of Participating in a Clinical Trial
Rebecca Mercieca-Bebber (University of Sydney)	Natasha Roberts	Quality of life end-points in clinical trials

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
DEM Avoidance Project steering committee	Best Consumer Focused Project	Metro North Hospital and Health Services QuARRIE award
DEM Avoidance Project steering committee	Finalists	MNHHS Staff Excellence Awards
Emily Larsen	Best Clinical Research Abstract	RBWH Research Symposium
Emily Larsen	Best Oral Presentation	The Australian Vascular Access Society Annual Scientific Meeting 2017
Elise Button	Best Nursing Abstract	RBWH Research Symposium
Nicole Gavin	PhD Student of the Year	AVATAR Teaching and Research Group
Nicole Gavin	Best Nursing Poster	Haematology Society of Australia and New Zealand Annual Conference 2017
Queensland Collaborative for Cancer Survivorship	Highly commended	MNHHS Research Awards

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Nicole Gavin, Claire Rickard, Geoffrey Hill	Cancer Care Services	Improving central-line associated bloodstream infection diagnosis in allogeneic haematopoietic stem cell transplant patients with parenteral nutrition	Royal Brisbane & Women's Hospital Patricia Dukes Postdoctoral Research Fellowship	\$50,000	\$100,000 (2017-2018)
Nicole Gavin, Gillian Nasato, Elise Button, Cynthia Cliff, Kay Petherick, Jared Donovan, Glenda Caldwell, Mirko Guaralda, Markus Rittenbruch, Severine Mayere, Sukanlaya Sawang, Graham Steel, Krispin Hajkowicz, Trish Hurst, Zillmann, Alison Alexander, Michael Smith & Christen Hill	Cancer Care Services, QUT Creative Industries	Developing a message strategy to improve hand hygiene compliance	LINK Innovation	\$112,595	\$112,595 (2017)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Nicole Gavin, Claire Rickard, Geoffrey Hill, Harris, Li Zhang, Kate Markey, Sarah Anderson, Emily Larsen	Cancer Care Services and Alliance for Vascular Access Teaching And Research	Improving central-line associated bloodstream infection diagnosis in allogeneic stem cell transplant patients with parenteral nutrition: The Improving CLABSI Trial.	American Society of Parenteral and Enteral Nutrition Rhoads Research Foundation 2017	US\$25,000	US\$25,000 (2017)
Nicole Gavin, Amanda Ullman, Trisha Kleidon, Sonj March, Emily Larsen, Jill Campbell, Claire Rickard	Cancer Care Services and Alliance for Vascular Access Teaching And Research	Estimating the prevalence of impaired skin surrounding devices: The EPISODE Study.	Royal Brisbane and Women's Hospital Foundation 2017	\$40,000	\$40,000 (2017)
Emily Larsen, Nicole Marsh, Nicole Gavin, Julie Flynn, Joan Webster	Cancer Care Services and Alliance for Vascular Access Teaching And Research	Cancer Care risk factors of venous access failure: The CARETAKER Study.	Royal Brisbane and Women's Hospital Foundation 2017.	\$40,000	\$40,000 (2017)
Nicole Gavin, Gillian Nasato, Nicole Marsh, Emily Larsen, Sarah Northfield, Glen Kennedy, David Wyld, Michale Smith, Krispin Hajkowicz, Trent Atkinson, Barbara Hewer, Fiona Coyer, Alison Alexander, Patsy Yates, Peter Mollee	Cancer Care Services	Central Venous Access Device (CVAD) Registry	Executive Support Royal Brisbane and Women's Hospital 2017	\$17,806	\$17,806 (2017)
Julie Flynn, Claire Rickard, Samantha Keogh, Li Zhang	Alliance for Vascular Access Teaching and Research Group	Decontamination of central venous catheter needleless connectors.	Cancer Nurses Society of Australia Research Grant	\$5,500	\$5,500 (2016-2017)
Julie Flynn	Alliance for Vascular Access Teaching and Research Group	Decontamination of central venous catheter needleless connectors.	Australian Postgraduate Award, Griffith University	\$26,000	\$78,000 (2015-2017)
Julie Flynn	Alliance for Vascular Access Teaching and Research Group	Decontamination of central venous catheter needleless connectors.	Doctor of Philosophy Centurion Top-Up Scholarship, School of Nursing and Midwifery, Griffith University	\$5,000	\$15,000 (2015-2017)
Elise Button	Cancer Care Services	Clinical indicators that identify risk of deteriorating and dying in people with a haematological malignancy	Royal Brisbane & Women's Hospital Post Graduate Scholarship	\$12,500	\$62,500 (2015-2017)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Elise Button	Cancer Care Services	Clinical indicators that identify risk of deteriorating and dying in people with a haematological malignancy	Queensland University of Technology, Centre for Research Excellence in End of Life PhD Scholarship	\$17,500	\$105,000 (2014-2017)
Raymond Chan	Cancer Care Services	Development and evaluation of a tailored fatigue self-management behavioural intervention for patients with advanced cancer	NHMRC	\$38,824	\$155,298 (2014-2017)
Claire Rickard, Joan Webster, Raymond Chan , Peter Mollee, Geoffrey Playford, Li Zhang, Sam Keogh, Andrew Hallahan, Evan Alexandrou (AI: Nicole Gavin)	Alliance for Vascular Access Teaching and Research Group	Peripherally InSerted Central catheter Securement: the PISCES Trial	NHMRC Project Grants (APP1098757)	\$220,343	\$1,101,717 (2016-2020)
Glen Kennedy, Raymond Chan, Patsy Yates, Jane Turner, Elise O'Dell , Anthony Smith.	Cancer Care Services	A Multi-centre Randomised Controlled Trial of a Nurse-led Survivorship Intervention for EmpoweriNG pAtients with HodGkin's and Non-Hodgkin's Lymphoma after trEatment: (The ENGAGE Trial)	Royal Brisbane and Women's Hospital Foundation	\$20,000	\$ 40,000 (2016-2017)
Raymond Chan, Rae Blades, Patsy Yates , Steven McPhail, Grahame Dickie, David Wyld, Steven Sylvander, Steven Crowe, Elise Button, Christopher Walsh, Jacqui Keller , Lee Jones	Cancer Care Services	A non-blinded, randomised, controlled, superiority trial of StrataXRT® versus 10% Glycerine (Sorbolene) cream for prophylaxis and management of radiation dermatitis in head and neck cancer patients receiving radical radiotherapy with or without concurrent systemic therapy	Stratpharma	\$56,000	\$112,000 (2016-2017)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Elise Button	Cancer Care Services	Clinical indicators that identify risk of deteriorating and dying in people with a haematological malignancy	Centaur Memorial Fund for Nurses	\$5,000	\$15,000 (2017-2019)
Elise Button, Nicole Gavin, Jason Butler, Raymond Chan, Patsy Yates	Cancer Care Services	The Patient And Carer's well-being, values and preferences, living with life-threatening illness (The PACE Study)	RBWH Foundation Susan Suduk OneDay To Conquer Cancer Diamond Care Grants 2017	\$40,000	\$40,000 (2017)
Raymond Chan, Alex Molassiotis, Patsy Yates, Gillian Nasato, Teresa Brown, Elise Button, Andrea Marshall, I Isenring, David Wyld, Melissa Eastgate, Nicole Gavin	Cancer Care Services	A Patient-family-Centered intervention to promote Nutrition In advanced Cancer patients	RBWH Foundation Susan Suduk OneDay To Conquer Cancer Diamond Care Grants 2017	\$40,000	\$40,000 (2017)
David Wyld, Matthew Burge, Raymond Chan, Jane Turner, Patsy Yates, Rachel Neale, Vanessa Beesley	Cancer Care Services	Towards improved support of patients with pancreatic cancer and their families.	RBWH Foundation Susan Suduk OneDay To Conquer Cancer Diamond Care Grants 2017	\$40,000	\$40,000 (2017)
Patsy Yates, Raymond Chan, David Wyld.	Cancer Care Services	A sequential multiple assignment randomized trial (SMART) of nursing interventions to reduce pain associated with chemotherapy induced peripheral neuropathy.	NHMRC	\$178,354	\$713,418 (2017-2020)
Elise Button, Sarah Northfield, Nicole Gavin, Glen Kennedy, David Wyld, Gillian Nasato, Jeffrey Rowland, Rhonda Mead, Darshit Thaker, Danielle Johanson, Justine Leach, Shelley Kulperger, Carey-Ann Tanner, Gary Powell, Patsy Yates, Ray Chan, Geoff Mitchell.	Cancer Care Services	The Rainy Day Care bundle: a pilot	Statewide End of Life Strategy SEED funding	\$120,000	\$120,000 (2016-2017)
Natasha Roberts	Cancer Care Services	Patient Reported Outcomes in a Medical Oncology Setting	Diamond Care Grant for the Susan Suduk Day to End Cancers	\$7,500	\$7,500 (2017)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Rickard C, Ware R, Ullman A, Marsh N, Gavin NC , Fraser J, Lawley M.	Cancer Care Services	Clinical Registry Partnership - Developing a central venous access device registry as a research and health improvement platform	Griffith University Menzies Health Institute Queensland Incentive Quality Development Scheme	\$30,000	\$30,000 (2017)
Hurree K, Button E, Nakagaki M, Gavin NC, Adcock K, Whitfield K, Douglas C, Smith M, Wyld D, Kennedy G.	Department of Pharmacy and Cancer Care Services	Educating patients – their way: A co- design approach to develop patient education videos regarding medication administration and supportive cares	Metro North Hospital and Health Services SEED Innovation	\$82,631	\$82,631 (2018)
Gavin NC , Curtis K, Fuller F, Jansens W.	Cancer Care Services	Revision of Cancer Nurses' Society of Australia Vascular Access Device Guidelines	Cancer Nurses' Society of Australia Special Project Funding	\$27,467	\$27,467 (2018)
Natasha Roberts	Cancer Care Services	Patient Reported Outcomes in a Medical Oncology Setting	Royal Brisbane and Women's Hospital Scholarship	\$36,863	\$36,863 (2018)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Chan A, Ng T, Oh SK, Eyob T, Shwe M, Gan YX, Chan R , Dent R, Ng R, Tan M, Goh B, Tan YP, Fan G. (2017). A culturally adapted, multidisciplinary psychoeducation program for early-stage breast cancer survivors in Asia: A randomized, controlled trial. <i>Psycho-Oncology</i> . 26 (10): 1654-1659.
Journal Article	Chan R, Yates P , Li Q, Komatsu H, Lopez V, Thandar M, Chacko ST, So WKW, Pongthavornkamol K, Yi MS, Pittayapan P, Butcon J, Wyld W , Molassiotis A (2017). Oncology practitioners' perspectives and practice patterns of post-treatment cancer survivorship care in the Asia-Pacific region: whose job is it anyway? Results from the STEP study. <i>BMC Cancer</i> . 17: Article 715
Journal Article	Molassiotis A, Yates P , Li Q, So WKW, Pongthavornkamol K, Pittayapan P, Komatsu H, Thandar M, Yi MS, Titus Chacko S, Lopez V, Butcon J, Wyld W, Chan R (2017). Mapping unmet supportive care needs in cancer survivors across the Asia-Pacific region: Results from the international STEP study. <i>Annals of Oncology</i> . 28: 2552-2558
Journal Article	Chan R, Button E , Gates P, Yates P . (2017) Nurses' attitude, confidence and practices in survivorship care for patients with a haematological malignancy: an Australian nurses practice survey. <i>Supportive Care in Cancer</i> . (published online ahead)
Journal Article	Choudhury MA, Sidjabat H, Rathnayake I, Gavin N, Chan R , Marsh N, Banu S, Huygens F, Paterson DL, Rickard CM, and McMillan DJ. (2017) Culture independent detection of chlorhexidine resistance genes qacA/B and smr in bacterial DNA recovered from body sites treated with chlorhexidine containing dressings. <i>Journal of Medical Microbiology</i> . 66 (4): 447-453
Journal Article	Gordon L, Merollini K, Lowe A, Chan R (2017). A systematic review of financial toxicity among cancer survivors: we can't pay the co-pay. <i>The Patient - Patient-Centered Outcomes Research</i> , 10(3), 295-309

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Bradford N, Chan R (2017) Physical and psychological interventions for adolescent and young adults cancer survivors: an integrative literature review. <i>Cancer Treatment Reviews</i> . 55: 27-70.
Journal Article	Ferreira EB, Vasques CI, Gadia R, Chan R , Guerra ENS, Mezzomo LA, de Luca Canto G, Diniz PE (2017). Topical interventions to prevent acute radiation dermatitis in head and neck cancer: a systematic review and meta-analysis. <i>Supportive Care in Cancer</i> . 25: 1001-1011
Letter	Chan R , Yates P , Molassiotis A (2017). A step forward in addressing cancer survivorship in the Asia Pacific Region. <i>BMC Medicine</i> . 15:17
Journal Article	Button E , Chan R , Chambers, S, Butler J , Yates P . (2017) A systematic review of prognostic factors in the final three months of life for people with a haematological malignancy. <i>BMC Cancer</i> , 17(213), 1-15.
Journal Article	Flynn J , Rickard C , Keogh S , Zhang L. (2017). Alcohol Caps or Alcohol Swabs With and Without Chlorhexidine: An In Vitro Study of 648 Episodes of Intravenous Device Needleless Connector Decontamination. <i>Infection Control & Hospital Epidemiology</i> , 1-3.
Journal Article	Gavin NC , Button E , Keogh S, McMillan D, Rickard C (2017) Does parenteral nutrition increase the risk of vascular catheter-related blood stream infection? A systematic literature review. <i>Journal of Parenteral and Enteral Nutrition</i> . DOI: 10.1177/0148607117714218
Journal Article	Rickard CM, Marsh NM, Webster J, Gavin NC , Chan RJ , McCarthy AL, Mollee P, Ullman AJ, Kleidon T, Chopra V, Zhang L, McGrail MR, Larsen E, Choudhury MA, Keogh S, Alexandrou E, McMillan DJ, Mervin MC, Paterson DL, Cooke M, Ray-Barruel G, Castillo MI, Hallahan A, Corley A, Playford G. Peripherally Inserted Central catheter dressing and Securement: the PISCES Trial. Protocol for a 2x2 factorial, superiority randomised controlled trial. <i>BMJ Open</i> . June 2017;7:e015291.
Journal Article	Kleidon T, Ullman AJ, Northfield S , Zhang L, Mihala G, Gavin NC , Rickard CM (2017) Peripherally Inserted Central Catheter Outcomes Polyurethane versus Endoxo: the PICCOMPARE Trial. Protocol for a randomised controlled trial, <i>Vascular Access</i> , 3(1) 15-21
Journal Article	Choudhury M, Sidjabat H, Rathnayake I, Gavin NC , Chan R , Banu S, Huygens F, Paterson D, Rickard C, McMillan D (2017) Culture independent detection of chlorhexidine resistance genes qacA/B and smr in bacterial DNA recovered from body sites treated with chlorhexidine containing dressings. <i>Journal of Medical Microbiology</i> , 66 447-453. DOI 10.1099/jmm.0.000463
Letter	Button E , Chan RJ , Chambers S, Butler J , Yates P . (2017). Lack of Palliative Mortality Prediction Tools for People with a Hematological Malignancy: Call for Action. <i>Journal of Palliative Medicine</i> .
Journal article	Beesley V, Janda M, Burmeister E, Goldstein G, Gooden H, Merrett N, O'Connell DL, Wyld DK , Young JM, Chan R , Neale R (2017) Association between peoples' perception of their pancreatic cancer care coordination and their patient-reported and survival outcomes. <i>Palliative and Supportive Care</i> . Published online ahead of print.
Journal article	Gordon L, Chan R . (2017) Financial toxicity among patients with cancer – where to from here? <i>Cancer Nursing</i> . 40 (4): 257-258.
Letter	Button E . (2017). Finding meaning: A personal reflection on Adem Crosby. <i>BMJ Supportive and Palliative Care</i> , Jun 24. pii: bmjspcare-2017-001377. doi: 10.1136/bmjspcare-2017-001377. [Epub ahead of print].
Journal article	Chan RJ , Northfield S , Larsen E , Mihala G, Ullman A, Hancock P , Marsh N, Gavin N , Wyld D , Allworth A , Russell E , Choudhury MA, Flynn J , Rickard CM . (2017). Central venous Access device SeCurement And Dressing Effectiveness for peripherally inserted central catheters in adult acute hospital patients (CASCADE): a pilot randomised controlled trial. <i>Trials</i> . 18:458 DOI: 10.1186/s13063-017-2207-x

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Bradford N, Henney R, Inglis P , Walker R, Chan R . (2017) Improvements in clinical practice for fertility preservation amongst young cancer patients: results from bundled interventions. Journal of Adolescent and Young Adult Oncology. DOI: 10.1089/jayao.2017.0042
Journal article	Gordon L, Merollini K, Lowe A, Chan R (2017) Financial Toxicity – what is it and how to measure it? Cancer Forums. 42:2
Journal article	Clough BA, March S, Chan RJ , Casey LM, Phillips R, & Ireland MJ. Psychosocial Interventions for Managing Occupational Stress and Burnout among Medical Doctors: A Systematic Review. Systematic Reviews. 6:144
Journal article	Coyne E, Northfield S , Ash K, Brown-West L, Miles C, Munton K, & Barratt C. (2017). The minimum education and safety requirements for the nursing administration of cytotoxic drugs: an integrative review protocol. The Australian Journal of Cancer Nursing, 2017, 18(2), 10-15.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Gavin NC , Keogh S, McMillan D, Rickard CM . A dynamic model for the investigation of touch contamination in intravascular device-related infections. American Society of Parenteral and Enteral Nutrition Annual Conference, Florida, February 2017.
Oral	Bradford N, Henney R, Orford R, Chan R . Attitude and knowledge about fertility preservation for young people living with cancer: a health professional survey. ANZCHOG Annual Scientific Meeting 2017. Adelaide, Australia.
Poster	Gavin NC, Button E, Keogh S, McMillan D, Rickard CM . Does parenteral nutrition increase the risk of vascular catheter-related blood stream infection? A systematic review. American Society of Parenteral and Enteral Nutrition Annual Conference, Florida, February 2017.
Poster	Gavin NC , Button E , Castillo M, Ray-Barruel G, Keogh S, McMillan D, Rickard CM . Does a dedicated lumen for parenteral nutrition administration reduce the risk of catheter-related blood stream infections? A systematic review. American Society of Parenteral and Enteral Nutrition Annual Conference, Florida, February 2017.
Poster	Bradford N, Chan R . 'Interventions for health and well-being in adolescents and young adults after cancer: A systematic review'. Survivorship 2017 conference. Adelaide, Australia.
Poster	Henney R, Bradford N, Inglis P, Walker R, Chan R . 'Patient-clinician discussions about fertility in the adolescent and young adult cancer population: A multi-centre retrospective study'. Survivorship 2017 conference. Adelaide, Australia.
Poster	Henney R, Bradford N, Inglis P, Walker R, Chan R . 'Fertility issues in young people after cancer: What do I need to know?'. Survivorship 2017 conference. Adelaide, Australia.
Invited oral	Webster J, Ullman A, Gavin NC, Rollings K. Cochrane Corner, Australian Vascular Access Society Annual Scientific Meeting, May 2017
Invited oral	Gavin NC , McMillan D, Choudhury M, Keogh S, Rickard CM. Dynamic model for the investigation of touch contamination in intravascular device-related infections. Australian Vascular Access Society Annual Scientific Meeting, May 2017
Oral	Gavin NC , Northfield , Larsen E , Marsh N, Mihala G, Rickard CM. Let's look at the big picture: how CVAD registries inform evidence-based practice. Australian Vascular Access Society Annual Scientific Meeting, May 2017
Oral	Flynn J . A laboratory based study comparing three needleless connector decontamination methods. Australian Vascular Access Society Annual Scientific Meeting, May 2017
Invited oral	Gavin NC . From the bedside to the bench and back again. Using an innovative laboratory model to answer an age old clinical question. Cancer Nurses Society of Australia Congress, June 2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited oral	Flynn J. A laboratory based study comparing three needleless connector decontamination methods. Cancer Nurses Society of Australia Congress, June 2017
Oral	Gavin NC, Northfield, Larsen E, Marsh N, Mihala G, Rickard CM. Let's look at the big picture: how CVAD registries inform evidence-based practice. Cancer Nurses Society of Australia Congress, June 2017
Oral	Button E, Gavin N, Chan R, Chambers S, Butler J, Yates P (2017). Clinical indicators that identify risk of deteriorating and dying in people with a haematological malignancy. Multinational Association of Supportive Care in Cancer. June 2017
Oral	Chan R, Northfield S, Larsen E, Mihala G, Ullman A, Marsh N, Hancock P, Webster J, Wyld D, Allworth A, Russell E, Rickard C (2017). What is the best dressing and securement for PICCs? The Australian Vascular Access Society- 2nd Scientific Meeting. Perth, Australia.
Invited oral	Chan R. EGFRi Skin reactions: bringing evidence-based practice to life. Amgen Colorectal Cancer Nurse Symposium 2017. Sydney, Australia. (Invited)
Invited oral	Chan R. Nurse Navigators. Putting Evidence into Practice. Passionate About Practice Conference 2017. Brisbane, Australia. (Invited)
Oral	Bradford N, Henney R, Orford R, Chan R. Attitude and knowledge about fertility preservation for young people living with cancer: a health professional survey. ANZCHOG Annual Scientific Meeting 2017. Adelaide, Australia.
Oral	Campbell J, Hughes S, Chan R, Scaife J, Thamm C, Stone L, McCarthy A. The effect of opioids in those undergoing BMATs: Systematic Review. 20th CNSA Annual Congress, Adelaide, Australia.
Oral	Thamm C, Teleni L, Chan R, Stone L, Campbell J, Hughes S, Scaife J, McCarthy A. Nurse-led intervention versus standard care for cancer patients presenting to emergency departments (EDs): Systematic review. 20th CNSA Annual Congress, Adelaide, Australia.
Oral	Bradford N, Chan R. Physical, psychological and educational interventions for adolescent and young adult cancer survivors: a systematic literature review. 20th CNSA Annual Congress, Adelaide, Australia.
Oral	Northfield S, Chan R, Rosenberg J, Yates P. Factors associated with patient access to specialist palliative care services in acute cancer care setting. Australian Palliative Care Conference, September 2017.
Poster	Northfield S, Chan R, Rosenberg J, Yates P. Identifying the factors that influence cancer nurses advocating for patient referrals to specialist palliative care services: A national survey. Australian Palliative Care Conference, September 2017.
Poster	Northfield S, Chan R, Rosenberg J, Yates P. Factors associated with patient access to specialist palliative care services in acute cancer care setting. RBWH Healthcare Symposium, September 2017.
Poster	Northfield S, Chan R, Rosenberg J, Yates P. Identifying the factors that influence cancer nurses advocating for patient referrals to specialist palliative care services: A national survey. RBWH Healthcare Symposium, September 2017.
Oral	Gavin NC, Northfield, Larsen E, Marsh N, Mihala G, Rickard CM. Let's look at the big picture: how CVAD registries inform evidence-based practice. Oral presentation. Association for Vascular Access Annual Scientific Meeting 2017
Invited oral	Kleidon T & Gavin NC. Peripherally Inserted Central Catheter outcomes Polyurethane Versus Endexo: the PICCOMPARE Pilot RCT in Adult and Pediatric Patients. Association for Vascular Access Annual Scientific Meeting 2017
Invited oral	Kleidon T & Gavin NC. Lessons learnt in undertaking clinical trials. Association for Vascular Access Annual Scientific Meeting 2017
Poster	Gavin NC, McMillan D, Choudhury M, Keogh S, Rickard CM. Dynamic model for the investigation of touch contamination in intravascular device-related infections. Association for Vascular Access Annual Scientific Meeting 2017.
Poster	Larsen E, Keogh S, Marsh N, Rickard C. What is the patient's experience of peripheral venous catheter insertion? RBWH Healthcare Symposium, September 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Rickard C, Webster J, Marsh N, Larsen E, Gavin N , McGrail M, Runnegar N, Playford, G & Reynolds H. Intravenous administration set (infusion tubing) replacement after 4 or 7 days is equally effective to prevent blood stream infections (RSVP). RBWH Healthcare Symposium, September 2017.
Oral	Gavin NC, Northfield, Larsen E , Marsh N, Mihala G, Rickard CM. Central venous access device registry. Health Roundtable Innovation Symposium 2017.
Oral	Button E, Wyld D, Nasato G, Bates T, Fennelly E, Northfield S, Gavin NC, Leutenegger J, Smith M, Yates P . RBWH Cancer Care Services model of care: Working to reduce avoidable emergency presentations and hospitalisations. Health Roundtable Innovation Symposium 2017.
Oral	Button E, Gavin N , Chambers S, Butler J, Yates P . Identifying risk of deteriorating and dying in people with a haematological malignancy. Multinational Association of Supportive Care in Cancer,
Oral	Button E, Gavin N , Chambers S, Butler J, Yates P . Identifying risk of deteriorating and dying in people with a haematological malignancy. Australian Palliative Care Conference, September 2017.
Mini oral	Button E, Gavin N , Chambers S, Butler J, Yates P . Identifying risk of deteriorating and dying in people with a haematological malignancy. Royal Brisbane and Women's Hospital Research Symposium 2017.
Invited oral	Button E . New and emerging approaches to palliative care integration. Royal Brisbane and Women's Hospital Research Symposium 2017.
Poster	Button E, Wyld D, Nasato G, Bates T, Fennelly E, Northfield S, Gavin NC, Leutenegger J, Smith M, Yates P . RBWH Cancer Care Services model of care: Working to reduce avoidable emergency presentations and hospitalisations. Royal Brisbane and Women's Hospital Research Symposium 2017.
Poster	Gavin NC, Northfield S, Larsen E , Mihala G, Marsh N, Ray-Barruel G. CVAD Registries: improving outcomes for haematology patients. Haematology Association of Australia Annual Scientific Meeting, Sydney.
Oral	Gavin NC . From the bedside to the bench and back again. Using an innovative laboratory model to answer an age old clinical question. Haematology Association of Australia Annual Scientific Meeting, Sydney.
Oral	Webster J, Northfield S, Larsen E , Marsh N, Rickard C, Chan R. Excellent Inter-rater agreement on the assessment of a peripherally inserted central catheter insertion site between nurses and patients using the PICC-SAT. Australasian College for Infection Prevention and Control (ACIPC), Canberra.
Invited oral	Chan R . Cultural Considerations in Planning Survivorship Care in Asia: Lessons learnt from the STEP Study. ESMO Asia 2017 Congress. Singapore
Oral	Chan R . Oncology practitioners' perspectives of survivorship care provision in the Asia-Pacific region. International Conference on Cancer Nursing. September 2017 Anaheim, USA.
Oral	Chan R. Unmet care needs of cancer survivors in 9 Asia-Pacific countries: results from the step study. International Conference on Cancer Nursing. September 2017 Anaheim, USA.
Invited oral	Chan R . 50 Years of Cancer Nursing Research. Cancer Nurses Society of Australia Congress, June 2017
Invited oral	Chan R . Cancer Related Fatigue Palliative and Cancer Care Insights. 14-15 October 2017.

OTHER COMMUNICATIONS AND OUTPUTS:

Elise Button – PhD student, QUT. Identifying risk of deteriorating and dying in people with a haematological malignancy. Final Seminar, 6th April 2017, Level 5, Centre of Clinical Nursing, RBWH. Final Seminar, 6th April 2017, QUT, RBWH campus. Supervisors: Patsy Yates, Raymond Chan, Shirley Chambers, Jason Butler.

Sarah Northfield – MappSci student, QUT. The palliative care referral decision-making process in the acute cancer setting: nurses' advocacy behaviours and the factors influencing these behaviours. Final Seminar, 18th May 2017, QUT, Kelvin Grove campus. Supervisors: Patsy Yates, Raymond Chan, John Rosenberg.

2016 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Gavin NC, Webster J, Chan R & Rickard CM. Frequency of dressing changes for central venous access devices on catheter-related infections. Cochrane Library. (2016). Issue 2.
Journal article	Button, E. Prophylactic treatment of hepatic veno-occlusive disease during stem cell transplantation: A Cochrane Nursing Summary. Cancer Nursing: An International Journal for Cancer Care, (2016) 39(4), 335-336.
Journal article	Keogh S, Flynn J, Marsh N, Mihala G, Davies K, Rickard CM. Varied flushing frequency and volume to prevent peripheral intravenous catheter failure: A pilot, factorial randomised controlled trial in adult medical-surgical hospital patients. Trials. (2016). 17(1), 348.
Journal article	Zhang L, Cao S, Marsh N, Ray-Barruel G, Flynn J, Larsen E, Rickard CM. Infection risks associated with peripheral vascular catheters. Journal of Infection Prevention, (2016). 17(5).
Journal article	So W, Chan R, Truant T, Trevatt P, Bialous S, Barton-Burke M (2016) Global perspectives on cancer health disparity Impact, utility, and implications for cancer nursing. Asia Pacific Journal of Oncology Nursing. 3 (4): 316-323.
Journal article	Chan R, Bowers A, Barton-Burke M (2016) Organizational Strategies for Building Capacity in Evidence-Based Oncology Nursing Practice: A Case Report of an Australian Tertiary Cancer Center. Nursing Clinics of North America. 52 (1): 149-158.
Journal article	Truant T, Chan R (2016). Future Ready: Professional leadership in the context of nursing professional organizations (Editorial). Canadian Oncology Nursing Journal. 27 (1): 2-8.
Journal article	Chan R, Yates P, McCarthy A (2016) The Development and Preliminary Testing of an Instrument for Assessing Fatigue Self-management Outcomes in Patients With Advanced Cancer. Cancer Nursing. 40 (1): 48-57.
Journal article	Chan R, Truant T (2016). Professional leadership in the context of nursing professional organisations (Editorial). Australian Journal of Cancer Nursing. 17 (2): 2-4
Journal article	Krishnasamy M, Chan R (2016) Translational Cancer Nursing Research: What will your contribution be?" Cancer Nursing. 39 (6): 425-426
Journal article	Chan R, Yates P, McCarthy A (2016) Examining fatigue self-management behaviours in patients with advanced cancer: a prospective longitudinal survey. Oncology Nursing Forum 43 (6): 762-771
Journal article	Bradford N, Edwards R, Chan R. Heparin versus 0.9% sodium chloride intermittent flushes for CVC in children and infants: a systematic review. International Journal of Nursing Studies. 59: 51-59.
Journal article	Eyob T, Ng T, Chan R, Chan A (2016) Impact of chemotherapy on cancer-related fatigue and cytokines in 1312 patients: A systematic review of quantitative studies. Current Opinion in Supportive & Palliative Care. 10(2):165-79.
Journal article	Chan A, Ng T, Chan R, Farid M (2016) Cognitive Toxicity in Curable Adolescent and Young Adult (AYA) Cancer Patients: Impact on Quality of life, Employment and Survivorship. Expert Review of Quality of Life in Cancer Care. 1 (3): 187-188
Journal article	Chan R, Webster J, Bowers A. End-of-life care pathways for improving outcomes in caring for the dying (Review). Cochrane Database of Systematic Reviews 2016, Issue 1. Art. No.: CD008006. DOI:10.1002/1451858.CD008006.pub3
Journal article	Chan R, Geary A, Yates P, Nasato G (2016) Building capacity for cancer nursing research and evidence-based practice. the Cancer Nursing Professorial Precinct Initiative. Asia Pacific Journal of Oncology Nursing. 3 (1): 28-29
Journal article	Button E, Chan R, Chambers S, Butler J, Yates P (2016) Signs, symptoms and characteristics associated with the end of life in people with a hematological malignancy: A review of the literature. Oncology Nursing Forum. 43 (5): E178-187
Journal article	Langbecker D, Ekberg S, Yates P, Chan A, Chan R. (2016) What are the barriers of quality survivorship care for haematology cancer patients? Qualitative insights from cancer nurses. Journal of Cancer Survivorship. 10 (1): 122-130

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Teleni L, Chan R , Chan A, Isenring EA, Vela I, Inder W, Anderson D, McCarthy AL. (2016) Dietary and exercise interventions on the quality of life, menopausal-like symptoms and metabolic risk factors in men undergoing androgen deprivation therapy for prostate cancer. <i>Endocrine-related Cancer</i> . 23(2): 101-112

2016 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Downs E, Keating A, Butler J, Kennedy G. A Collaborative Approach in the Management of Late Onset Grade IV skin GVHD of an Adolescent Male Post Allogenic Bone Marrow Transplant. Haematology Association of Australia Annual Scientific Meeting, 2016.
Oral Invited	Chan R. Cutting edge interventions to prevent central catheter failures in cancer patients. Emirates Oncology Conference 2016. Abu Dhabi.
Oral Invited	Chan R. From concept to conclusion: success factors for leading evidence-based practice in oncology nursing. Emirates Oncology Conference 2016. Abu Dhabi
Oral Invited	Chan R. Palliative Care Nursing Research. 2nd Asia Pacific Palliative Care and Hospice Forum 2016. Beijing, China.
Oral	Henney R, Bradford N, Inglis P, Walker R, Chan R. (2016) Disparities in fertility preservation: not just a gender issue? 9th International Conference and 1st Global AYA Cancer Congress. Edinburgh, UK.
Oral	Chan R (2016). Survivorship issues across the globe: The Australian Perspective. International Conference on Cancer Nursing. Hong Kong.
Oral	Chan R, Wallace A, Downs E, Langbecker D, Ekberg S, Gates P, Chan A, Yates P (2016). Cancer nurses' provision of survivorship care for patients with haematological malignancy. MASCC/ISOO Annual Meeting on Supportive Care in Cancer. Adelaide Australia
Oral	Chan A, Ng T, Oh SK, Eyob T, Shwe M, Gan YX, Chan R , Dent R, Ng R, Tan M, Goh B, Tan YP, Fan G. (2016). A culturally adapted, multidisciplinary psychoeducation program for early-stage breast cancer survivors in Asia: A randomized, controlled trial. MASCC/ISOO Annual Meeting on Supportive Care in Cancer. Adelaide Australia
Oral	Chan R (2016). Health Disparities and Cancer Navigation: The Australian Perspective. Oncology Nursing Society Congress 41st Annual Congress. San Antonio, Texas, USA.
Oral	Chan A, Ng T, Oh SK, Eyob T, Shwe M, Gan YX, Chan R , Dent R, Ng R, Tan M, Goh B, Tan YP, Fan G. (2016). A culturally adapted, multidisciplinary psychoeducation program for early-stage breast cancer survivors in Asia: A randomized, controlled trial. American Society of Clinical Oncology Annual Meeting. Chicago, Illinois, USA.
Oral	Eyob T, Ng T, Chan R , Chan A (2016) Chemotherapy, cytokines and cancer-related fatigue: a systematic review of quantitative studies in 1312 patients. ISPOR 7th Asia-Pacific Conference.
Oral	Button E, Chan R, Connell S, Butler J, Yates P. (2016) Prognostic factors in the final three months of life for people with a haematological malignancy: A systematic review. 9th World Research Congress of the European Association for Palliative Care (EAPC). Dublin.
Oral	Chan R, Northfield N, Larsen E, Mihala G, Ullman A, Marsh N, Hancock P, Webster J, Wyld D, Allworth A, Russell E, Rickard C (2016). Central venous Access device SeCurement And Dressing Effectiveness in Cancer Care: The CASCADE Trial. Royal Brisbane and Women's Hospital Cancer Care Services Research Retreat.
Oral	Henney R, Bradford N, Inglis P, Walker R, Chan R. Patient-clinician discussions about fertility in the adolescent and young adult cancer population: do disparities exist? Royal Brisbane and Women's Hospital Healthcare Symposium. 2016. Brisbane Australia
Oral	Henney R, Bradford N, Inglis P, Walker R, Chan R. Patient-clinician discussions about fertility in the adolescent and young adult cancer population: do disparities exist? 2nd ANNUAL Children's Health Queensland Research Symposium. 2016. Brisbane Australia

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Ash K, Chan R , Marks P. Credentialing for Nurses: a specialist nurse credentialing program. Opportunities for the Cancer Nurses Society of Australia. 19th CNSA Annual Congress 2016, Cairns, Australia.
Oral	Bradford N, Edwards R, Chan R . Can saline replace heparin to prevent occlusion in long-term Central Venous lines in children? - a Cochrane systematic review. 19th CNSA Annual Congress 2016, Cairns, Australia.
Oral	McCarthy A, Teleni L, Chan R . Scoping an Intervention to Enhance Men's Wellness after Prostate Cancer Treatment. 19th CNSA Annual Congress 2016, Cairns, Australia.
Oral	Northfield S, Chan RJ , Rosenberg J, Yates P . Factors that influence palliative care referrals for hospitalised patients with advanced cancer: An integrative review. CNSA 19th Annual Congress, 2016.
Oral	Northfield S . Fracture, dislodgement, migration & localised infection – the complications of life with a CVAD. Vascular Access Device and Infusion Therapy Symposium, CNSA 19th Annual Congress, 2016.
Oral	Gavin NC , Marsh N, Larsen E, Northfield S, Chan RJ, Nasato G , Curtis K. Developing a cancer care central venous access device registry. (Oral presentation – Gavin NC). CNSA 19th Annual Congress, 2016.
Oral	Chan RJ, Northfield S, Larsen E , Ullman A, Mihala G, Hancock P, Marsh N, Allworth A, Gavin NC , Wyld D, Russell E, Flynn J, Rickard CM . Peripherally Inserted Central Catheter Securement And Dressing Effectiveness in the Acute Care Setting: A Pilot Randomised Controlled Trial (The CASCADE Trial). (Oral presentation – Chan RJ). CNSA 19th Annual Congress, 2016.
Oral	Ullman AJ, Kleidon T, Northfield S , Long D, Chan RJ , Cooke M, Rickard CM . Dressed to impress? Improving central venous access device securement and dressing. (Oral presentation – Kleidon T). World Congress Vascular Access (WoCoVA), 2016.
Oral	Northfield S, Chan RJ , Rosenberg J, Yates P . Factors that influence palliative care referrals for hospitalised patients with advanced cancer. 3-Minute Thesis. QUT School of Nursing Postgraduate Research Forum, 2016.
Oral	Button, E , Lovell, A, Gavin, N . Hope for the best, and prepare for the rest: A systematic review of Advance Care Planning prior to stem cell transplantation. Oral presentation. European Society of Blood and Marrow Transplantation Annual Scientific Congress, 2016.
Oral	Flynn, J . Decontamination of the needleless connector: An in vitro study. World Congress of Vascular Access , 2016.
Oral	Flynn, J . Decontamination of the needleless connector & ANTT. Cancer Nurses Society Australia , 2016, invited speaker – pre-congress workshop.
Poster	Choudhury M, Sidjabat H, Rathnayake U, Gavin N, Chan R , Banu S, Huygens F, Paterson D, Rickard C, McMillan D (2016) High prevalence of qacA/B and smr in bacterial DNA recovered at body sites treated with and without chlorhexidine dressings on central venous access devices in adult hospital patients. Australian College for Infection Prevention and Control Conference 2016, Melbourne Australia.
Poster	Northfield S, Chan RJ , Rosenberg J, Yates P . Factors that influence palliative care referrals for hospitalised patients with advanced cancer: An integrative review. RBWH Cancer Care Services Research Retreat, Brisbane
Poster	Northfield, S. Gavin NC, Larsen E , Mihala G, Marsh N. Developing a cancer care CVAD Registry. Royal Brisbane and Women's Hospital Healthcare Symposium, and Cancer Care Services Research Retreat.
Poster	Button, E, Chan, R , Chambers, S, Butler, J, & Yates, P . A systematic review of prognostic factors in the final three months of life for people with a haematological malignancy. Cancer Nurses Society of Australia Annual Congress, 2016.
Poster	Leutenegger, J, Gavin NC, Chan RJ, Yates P . The Tyranny of Distance – Can teleoncology bridge the gap between rural and remote and tertiary facilities? Cancer Nurses Society of Australia Annual Congress, 2016.
Poster	Peterman D, King L, Chan R, Gavin N , McKiernan S, Curtis K, Edwards R, Van Kuilenburg R, Rickard C, Fullerton F. Collaborative Review of Evidence-Based Guidelines in Central Venous Access Device Management. Australian Vascular Access Scientific Meeting 2016, Brisbane, Australia.

MEDICAL ONCOLOGY



David Wyld
Director, Medical Oncology

The Cancer Care Services Medical Oncology (MO) Department provides clinical services to the Metro North HHS district through its staff managing patients at RBWH, North Lakes, TPCB and Caboolture. It also acts as a major tertiary referral centre in Qld. The unit's clinical research program has a number of different components, all of which continue to expand and develop each year. Below is a few selected highlights from the department in 2017.

Firstly, the MO clinical trials unit continues to be recognized as a service that conducts exceptionally high quality clinical research. This is demonstrated by the unit being asked to take on the role of lead Australian site for an increasing number of collaborative studies, as well as being the only Qld site for a number of clinical trials. That the unit can continue to undertake the large number of clinical trials that it does, and be recognized as conducting them at such a high standard, is directly related to the quality of the staff involved at all levels, particularly the clinical trials research staff and the Medical Oncologists.

In addition, departmental staff continue to increase the number of collaborative research projects they undertake with external partners – including HIRF, QUT, The University of Queensland and multiple groups within QIMR, as well as researchers from a variety of other institutions both locally and from across the country.

In addition, many departmental staff continue to expand their subspecialty research interests and influence at a national level, both through involvement at executive or trial management committee level at a variety Australasian Clinical Research Collaborative groups, or via direct collaboration with other Australian researchers.

The number of publications authored by departmental staff in 2017, combined with multiple accepted abstracts at national and international meetings, reflects the breadth of the departments increasing research output.

One highlight of 2017 was that it saw MO staff supervising an increased number of higher degree candidates, an important development for the department.

A few other selected highlights - Brett Hughes taking part in an NHMRC Grant Review Panel in 2017, Zarnie Lwin being invited to attend a number of international Medical Oncology meetings as a guest speaker, Matthew Burge leading a national clinical trial in individuals with metastatic colorectal cancer, and Natasha Roberts and David Wyld with oral presentations of their research at International Conferences

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Ali Dulfikar	PhD QUT	Pilot feasibility study of exercise in grade II, III and IV glioma while receiving radiation therapy with or without chemotherapy	Zarnie Lwin , Fiona Naumann, Mark Pinkham, Elizabeth Pinkham, Gabriel Siqueira Trajano
Elizabeth Ahern	PhD UQ 2015 -	Targeting RANK/RANKL in combination immunotherapy using murine and translational models of melanoma, prostate and other solid organ malignancies.	Mark Smyth, Michele Teng, David Wyld
Natasha Roberts	PhD QUT 2016 - 2019	Patient Reported Outcomes in a Medical Oncology Setting	Monika Janda, Kim Alexander, David Wyld
Benjamin Van Haerringen	MBBS Hons 2016 – 2017 UQ	Prognostic factors and biomarkers in a cohort of metastatic colorectal cancer patients managed at RBWH/TPCH and Rockhampton cancer services	David Wyld
Timothy Kalas	MBBS Hons 2016 – 2017 UQ	Dose intensity and morbidity of therapy in women older than 65 years undergoing adjuvant chemotherapy for breast cancer at RBWH	David Wyld
Teresa Brown	PhD UQ 2013 -	A randomised comparison of early prophylactic feeding via gastrostomy versus standard care in high risk patients with head and neck cancer	Brett Hughes , Merrilyn Banks , Judy Bauer
Rahul Ladwa	MPhil UQ 2017-	Predictors of dosimetry and response to peptide receptor radionuclide therapy	David Wyld , Stephen Rose, Nicholas Dowson
Darshit Thacker	MPhil UQ 2017	Implementation of Comprehensive Geriatric assessment (CGA) for patients older than 70 years in medical oncology clinic to facilitate decision making and provision of supportive management	David Wyld , Sunil Lakhani

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Dr Rahul Ladwa	Research Fellow	Medical Oncology	Queensland Health
Dr Shu Fen Lee	Research Fellow	Medical Oncology	Queensland Health
Annette Cubitt	Manager, Clinical Trials Unit	Clinical Trials Unit Medical Oncology	Queensland Health
Jenny Campbell	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health
Amy Ives	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health
Andrea McKenzie	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health
Wendy Pritchard	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health
Erin Purdon	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health
Megan Ward	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health
Natasha Roberts	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Gel Bolanos	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health
Diana Lewis	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health
Andrea Junghans	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health
Leah Hingston	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health
Cara Powell	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health
Jenna Peckston	Clinical Trial Coordinator	Clinical Trials Unit Medical Oncology	Queensland Health
Jennifer Lonton	Research Development Officer	Clinical Trials Unit Medical Oncology	Queensland Health
Danni Church	Research Administration Officer	Clinical Trials Unit Medical Oncology	Queensland Health
Denise Flynn	Research Administration Officer	Clinical Trials Unit Medical Oncology	Queensland Health

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
David Wyld (CCS), Matthew Burge (CCS)	Rachel Neale, Vanessa Beesley (QIMR)	PRO-NET: Patient reported outcomes in people with neuroendocrine tumours.
Natasha Roberts (CCS), David Wyld (CCS)	Monika Janda (QUT), Kim Alexander (QUT)	Patient Report Outcomes (PROs) in a medical oncology setting: A low risk project to identify staff perceptions about the use of PRO data in a clinical setting
Zarnie Lwin (CCS)	Alex Broom (UNSW)	Cultural biographies, medical knowledges: A sociological study at the intersection of cancer and culture
Zarnie Lwin (CCS)	Emma Kirby (UNSW)	Informal care and living with glioma
Matthew Burge (CCS)	Euan Walpole (MSHHS)	Prospective evaluation of FOLFIRINOX for metastatic or locally advanced Pancreatic Cancer
Jane Turner (QUT), Brett Hughes (CCS)	IHBI, QUT	Enhances Study: Enhancing Head And Neck Cancer Patient's Experiences of Survivorship
Zarnie Lwin (CCS)	Alex Broom (UNSW), David Sibbritt (UTS), Rosemary Harrup (RHH), Deme Karikios (NHMRC), Kay Francis (MOGA)	2016 Australian Medical Oncologist Workforce Survey
Zarnie Lwin (CCS), Alex Broom (UNSW)	David Sibbritt (UTS), Rosemary Harrup (RHH), Deme Karikios (NHMRC), Kay Francis (MOGA)	Australian Medical Oncologist Workforce Qualitative Study
Shu Fen Lee (CCS)	Melissa Eastgate (CCS), Matthew Burge (CCS)	Metastatic colorectal cancer in pregnancy: A tertiary center experience and review of the literature
Melissa Eastgate (CCS)	David Wyld (CCS), Darshit Thaker (CCS), Monica Dumbrava (CCS) Teresa Brown (Dietetics)	Dietary patterns and preferences/attitudes of cancer patients regarding sources of information about the diet during cancer treatment

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
David Wyld (CCS)	Rahul Ladwa (CCS) Paul Klages (Pharmacy), Monica Dumbrava (CCS), Timothy Kalas (UQ)	Dose intensity in adjuvant chemotherapy in women over 65 with breast cancer
Zarnie Lwin (CCS)	Emma Kirby (UNSW), Vanessa Bowden (UNSW)	Informal care and living with glioma
Melissa Eastgate (CCS)	Lindy Jeffree (Neurosurgery), Kelly McGrath (CCS) Shu Lee (CCS)	Audit of outcomes of melanoma patients undergoing neurosurgery.
Melissa Eastgate (CCS)	Mathew Burge (CCS), David Wyld (CCS), Padmini Thanayankeezhil (CCS)	Audit of rectal cancers, staging, treatment and immediate outcomes
Rahul Ladwa (CCS)	David Wyld , Matthew Burge (CCS), David Pattison (Nuclear Medicine)	Assessing response to Peptide Receptor Radionuclide Therapy in Neuroendocrine Tumours: Case series of “pseudoprogession”.
Aneta Suder (CCS) Andrew Schmidt (CCS)	Brett Hughes , Zarnie Lwin , Michael Allen (CCS)	Exploring the rate of hospital admissions due to immune therapy toxicities in two tertiary cancer centres
Rahul Ladwa (CCS)	Aimee Hayes (RNSH), Matthew Burge (CCS), Nick Pavlakis (RNSH), David Wyld (CCS)	Management approaches to cardiac metastasis from neuroendocrine tumours
Rahul Ladwa (CCS)	David Wyld , Matthew Burge (CCS), David Pattison (Nuclear Medicine) Nicholas Dowson (CSIRO), Stephen Rose (CSIRO), Jye Smith (Nuclear Medicine), Stephen Goodman (Nuclear Medicine), Steven Williams (Nuclear Medicine),	Predictors of dosimetry and response to peptide receptor radionuclide therapy”
David Wyld (CCS)	Louisa Gordon (QIMR), John Leyden (Unicorn Foundation), Kete Wakelin (Unicorn Foundation), Michael Michael (PMCC) Nicxk Pavlakis (RNSH)	F-NET Project: Financial Outcomes in people with Neuro-Endocrine Tumours.
Matthew Burge (CCS), Paul Thomas (HIRF),	David Wyld (CCS), Melissa Eastgate (CCS), Stephen Rose (CSIRO), Nick O’Rourke (Surgery), Davis Cavallucci (Surgery) Richard Bryant (Surgery).	Imaging the CXCR-4 Chemokine receptor with a novel PET tracer in pancreatic cancer.
Matthew Burge (CCS), Paul Thomas (HIRF), Andrew Stevenson (Surgery)	David Wyld (CCS), Melissa Eastgate (CCS), Stephen Rose (CSIRO), David Clark (Surgery), Craig Harris (Surgery), Damien Petersen (Surgery), David Taylor (Surgery), Carina Chow (Surgery), Paul Tesar (DMI), Michelle Grogan (CCS)	A pilot study of CXCR-4 PET scanning in operable rectal cancer.

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
David Wyld (CCS)	Matthew Burge (CCS), Raymond Chan (CCS), Jane Turner (Psychiatry), Patsy Yates (QUT), Melissa Eastgate (CCS), Rachael Neale (QIMR), Vanessa Beesley (QIMR)	PREPARES: Patients and Relatives affected by Pancreatic cancer: Referral, Education and Support feasibility trial
Matthew Burge (CCS)	Melissa Eastgate (CCS), David Wyld (CCS), Shu Lee (CCS)	Analysis of prospectively collected pancreatic cancer patients given folfirinox at RBWH
David Wyld (CCS)	Julie Moore QCCAT, Mark Wan (UQ)	Neuroendocrine Tumours: Epidemiologic trends in Queensland
Manoj Bhatt (Nuc Med)	David Wyld (CCS) Matthew Burge (CCS) Rahul Ladwa (CCS), Peter Garcia (Nuc Med), David Pattison (Nuc Med), Kevin Lee (Nuc Med), Samuel Kyle, Nicholas Dowson, Jye Smith (Nuc Med), Steven Goodman, Stephen Rose.	Pilot project to assess liver metastases by comparing novel, dynamic and static functional imaging, and also morphological imaging with standard of care in WHO Grade I and Grade II Neuroendocrine Tumour (NET).
David Wyld (CCS)	Matthew Burge (CCS) Alex Broom (UNSW) Helen McDade (CCS) Zarnie Lwin (CCS) Emma Kirby (UNSW) Stefanie Plage (UNSW) Annette Cubitt (CCS)	NET: Cancer on the margins: A qualitative study of neuroendocrine patients' experiences of living with rare tumours

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Australasian Gastrointestinal Trials Group	Matthew Burge	INTEGRATE II A Randomised Phase III Double Blind Placebo Controlled Study of regorafenib in Refractory Advanced GastroOesophageal Cancer
Australasian Gastrointestinal Trials Group	Matthew Burge	ACTICCA-1 study: Adjuvant Chemotherapy With Gemcitabine and Cisplatin Compared to Observation After Curative Intent Resection of Cholangiocarcinoma and Muscle Invasive Gall Bladder Carcinoma (ACTICCA-1 Trial)
Australasian Gastrointestinal Trials Group	David Wyld	CONTROL NETS: Phase II multi-arm, randomised open label trial of Lutetium-177 Octreotate peptide receptor radionucleotide therapy, capecitabine/temozolamide chemotherapy, or the combination in the first or second line treatment of low to intermediate grade gastroenteropancreatic neuroendocrine tumours
Walter and Eliza Hall Institute, Colorectal Translational Oncology Group	Matthew Burge	ctDNA in Pancreatic Cancer

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Australasian Gastrointestinal Trials Group	Matthew Burge	DOCTOR: A Randomised Phase II Trial of Pre-operative Cisplatin, 5 Fluorouracil and Docetaxel or Cisplatin, 5 Fluorouracil, Docetaxel plus Radiotherapy based on poor early response to standard chemotherapy for resectable adenocarcinoma of the oesophagus and/or OG Junction
Ludwig Institute for Cancer Research	Matthew Burge	Circulating Tumour DNA as a Sensitive and Specific Marker of Response to Therapy and of Occult Disease in Colorectal Cancer - for resectable CRC liver mets pts
Australasian Gastrointestinal Trials Group	Matthew Burge	ATTACHE: A Trial of Timing of Surgery and Adjuvant Chemotherapy for Hepatic Metastases from Colorectal Cancer
Peter MacCallum Cancer Centre	Matthew Burge	Predict IR : The utility of genomics and functional imaging to predict Irinotecan pharmacokinetics and pharmacodynamics
Peter MacCallum Cancer Centre	Matthew Burge	Predict SU : The utility of genomics and functional imaging to predict Sunitinib pharmacokinetics and pharmacodynamics
Australasian Gastrointestinal Trials Group	Matthew Burge	GAP: Phase II study of pre-operative Gemcitabine and Abraxane for resectable Pancreas cancer.
Peter MacCallum Cancer Centre	David Wyld	INTERNET: A phase II study of Everolimus (RAD001) in patients with FDG-PET positive intermediate grade (Ki-67 3-20%) Pancreatic neuroendocrine tumours
Australasian Gastrointestinal Trials Group/ European Organization for Research and Treatment of Cancer	David Wyld	AGITG GIST-STI571- Phase III randomised, intergroup, international trial assessing the clinical activity of STI571 at two dose levels in patient with unresectable or metastatic malignant gastrointestinal stromal tumours (GIST) expressing the KIT receptor Tyrosine Kinase (CD117)
Walter and Eliza Hall Institute	Matthew Burge	DYNAMIC: Circulating Tumour DNA Analysis Informing Adjuvant Chemotherapy in Stage II Colon Cancer
Walter and Eliza Hall Institute	Matthew Burge	Evaluation of temporal dynamics of RAS Mutation emergence in Cell Free DNA (cfDNA) in response to first-line cetuximab anti-EGFR therapy in Patients with Metastatic Colorectal Cancer
Centre for Medical Psychology and Evidence Based Decision Making	Matthew Burge	CHALLENGE: A Phase III study of the impact of a Physical Activity program on Disease-Free Survival in patients with high risk Stage II or Stage III Colon Cancer: a randomised controlled trial (CO.21)
Australasian Gastrointestinal Trials Group/ National Cancer Centre, Singapore	Melissa Eastgate	ASCOLT: Aspirin for Dukes C and high risk Dukes B Colorectal Cancers -- an international, multi-centre, double blind, randomised placebo controlled Phase III trial (AGITG)
Walter and Eliza Hall Institute	Matthew Burge	ctDNA as a Marker of Complete Pathological Response and Long Term Outcome for Locally Advanced Rectal Cancer Treated with Pre-operative Chemoradiotherapy
Ludwig Institute for Cancer Research	Matthew Burge	Circulating Tumour DNA as a Marker of Occult Disease in Stage II Colorectal Cancer and Response to Therapy in Metastatic Colorectal Cancer
Australasian Gastrointestinal Trials Group	Matthew Burge	AGITG SCOT Trial: Short Course Oncology Therapy - A Study of Adjuvant Chemotherapy in Colorectal Cancer

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Australasian Gastrointestinal Trials Group/ European Organization for Research and Treatment of Cancer	Matthew Burge	PETACC6- Preoperative chemoradiotherapy and postoperative chemotherapy with capecitabine and oxaliplatin vs. capecitabine alone in locally advanced rectal cancer
Theresa Brown, Department Nutrition and Dietetics, RBWH	Brett Hughes	PEG Study - A randomized comparison of early prophylactic feeding via gastrostomy versus standard care in high risk patients with head and neck cancer
Australia New Zealand Gynaecological Oncology Group	Jeff Goh	VELIA (M13-694) A Phase 3 Placebo Controlled Study of Carboplatin/ Paclitaxel With or Without Concurrent and continuous Maintenance Veliparib in Subjects with Previously Untreated Stages III or IV High Grade Serous Epithelial Ovarian, Fallopian Tube, or Primary Peritoneal Cancer
Australia New Zealand Gynaecological Oncology Group	Alison Hadley	OUTBACK - A PHASE III trial of adjuvant chemotherapy following chemoradiation as primary treatment for locally advanced cervical cancer compared to chemoradiation alone
Australia New Zealand Gynaecological Oncology Group	Jeff Goh	PARAGON: A study to assess the activity of anastrozole, an aromatase inhibitor, in women with oestrogen receptor and/or progesterone receptor positive (ER/PR+ve) and therefore potentially hormone responsive recurrent or metastatic gynaecological cancers
Australia New Zealand Gynaecological Oncology Group	Jeff Goh	OVAR 2.21: A prospective randomized Phase III trial of carboplatin/ gemcitabine/ bevacizumab vs. carboplatin/pegylated liposomal doxorubicin/ bevacizumab in patients with platinum-sensitive recurrent ovarian cancer.
Australia New Zealand Gynaecological Oncology Group	Aneta Suder	Evaluation of Symptom Benefit during Palliative Chemotherapy in Women with recurrent Ovarian Cancer: measuring subjective improvement as well as objective response to estimate the benefit of palliative chemotherapy in women with platinum resistant or refractory ovarian cancer
Australia New Zealand Gynaecological Oncology Group	Jeff Goh	ICON 8: an international trial comparing weekly chemotherapy with 3 weekly chemotherapy for women with ovarian cancer, fallopian tube cancer or primary peritoneal cancer
Australia New Zealand Gynaecological Oncology Group	Jeff Goh	OVAR 16 - A Phase III study to evaluate the efficacy and safety of Pazopanib monotherapy versus placebo in women who have not progressed after first line chemotherapy for epithelial ovarian, fallopian tube or primary peritoneal cancer
Australia New Zealand Urogenital and Prostate Cancer Trials Group	David Wyld	Phase III BEP Trial: A randomised phase 3 trial of accelerated versus standard BEP chemotherapy for participants with intermediate and poor-risk advanced germ cell tumours
Australia New Zealand Urogenital and Prostate Cancer Trials Group	Aneta Suder	ENZAMET Trial: A randomised phase 3 trial of enzalutamide in first line androgen deprivation therapy for metastatic prostate cancer
Hoosier Oncology Group, USA	Jeff Goh	BNC105 Renal: Phase I/II Study of BNC105P in combination with Everolimus or following Everolimus for Progressive Metastatic Clear Cell Renal Cell Carcinoma following prior Tyrosine Kinase Inhibitor

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Cooperative Trials Group for Neuro-oncology	Zarnie Lwin	ACED: Randomised phase II study of acetazolamide plus dexamethasone versus dexamethasone alone for management of cerebral oedema in recurrent or progressive high grade gliomas.
Cooperative Trials Group for Neuro-oncology	Zarnie Lwin (CCS), Phillip Chan (CCS)	VERTU - Veliparib, Radiotherapy and Temozolomide trial in Unmethylated MGMT Glioblastoma: A Randomised Phase II study of veliparib + radiotherapy (RT) with adjuvant temozolomide (TMZ) + veliparib versus standard RT + TMZ followed by TMZ in newly diagnosed glioblastoma (GBM) with unmethylated O (6)-methylguanine-DNA methyltransferase
Cooperative Trials Group for Neuro-oncology	Zarnie Lwin	INTELLANCE 2 - ABT-414 alone or ABT-414 plus temozolomide versus lomustine or temozolomide for recurrent glioblastoma: a randomized phase II study of the EORTC Brain Tumor Group
Cooperative Trials Group for Neuro-oncology	Po-Ling Inglis	CATNON:Phase III trial comparing no adjuvant chemotherapy versus adjuvant therapy until progression for anaplastic glioma without 1p/19q loss. An EORTC/NCI-C/RTOG/MRC/HUB/ intergroup study
Medical Oncology, Cancer Care Services, RBWH	Michelle Nottage	A prospective study investigating the impact of the definitive chemoradiation in locally and/or regionally advanced squamous cell carcinoma of the skin. CRUST
Australia New Zealand Breast Cancer Trials Group	Michelle Nottage	PALbociclib CoLLaborative Adjuvant Study: A Randomized Phase III Trial of Palbociclib With Standard Adjuvant Endocrine Therapy Versus Standard Adjuvant Endocrine Therapy Alone for Hormone Receptor Positive (HR+) / Human Epidermal Growth Factor Receptor 2 (HER2)-Negative Early Breast Cancer . PALLAS
Australia New Zealand Breast Cancer Trials Group	Po-Ling Inglis	Penelope B: Phase III study evaluating palbociclib (PD-0332991), a Cyclin-Dependent Kinase (CDK) 4/6 Inhibitor in patients with hormone-receptor-positive, HER2-normal primary breast cancer with high relapse risk after neoadjuvant chemotherapy
Kathleen Houston, Sunshine Coast Oncology Research Group	Michelle Nottage	TAPS: Gabapentin for taxane acute pain syndrome - a phase III randomised, placebo-controlled, crossover trial
Australia New Zealand Breast Cancer Trials Group/Breast International Group	Michelle Nottage	TEXT-Bone: A substudy of the TEXT trial to evaluate serial bone markers for bone remodeling, serial growth factors, and bone mineral density
Australia New Zealand Breast Cancer Trials Group/Breast International Group	Michelle Nottage	TEXT: A Phase III Trial Evaluating the Role of Exemestane plus GnRH analogue as Adjuvant Therapy for premenopausal women with endocrine responsive breast cancer
Australia New Zealand Breast Cancer Trials Group/Breast International Group	Michelle Nottage	An International multi-centre study of tamoxifen vs. Anastrozole in postmenopausal women with hormone sensitive ductal carcinoma in situ (DCIS) IBIS II
Australia New Zealand Breast Cancer Trials Group/ECOG-ACRIN	Po-Ling Inglis	TAILORx Program for the Assessment of Clinical Cancer Tests (PACCT-1): Trial Assigning Individualized Options for Treatment: The TAILORx Trial
Australia New Zealand Breast Cancer Trials Group/Breast International Group	Michelle Nottage	Suppression of Ovarian Function Trial (SOFT) A Phase III Trial Evaluating the the Role of Ovarian function Suppression and the Role of Exemestane as Adjuvant therapies for premenopausal women with Endocrine responsive breast cancer

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Australia New Zealand Breast Cancer Trials Group/Breast International Group	Michelle Nottage	A phase III study to evaluate Letrozole as adjuvant endocrine therapy for postmenopausal women with receptor (ER and/or PgR) positive tumours
Walter and Eliza Hall Institute	Matthew Burge	Pancreatic cancer: Understanding Routine Practice and Lifting End results (PURPLE) A Prospective Pancreatic Cancer clinical registry
Australia New Zealand Urogenital and Prostate Cancer Trials Group	Jeffrey Goh	KEYPAD: Proposed phase 2 trial of pembrolizumab and denosumab in advanced clear-cell renal cell carcinoma (ccRCC) progressing after a VEGF-TKI
Australia New Zealand Urogenital and Prostate Cancer Trials Group	Jeffrey Goh	UNISoN - anzUp Nivo->Ipi+Nivo Sequential Non-clear cell - Proposed Phase II Sequential Cohort Trial Of Single Agent Nivolumab, Then Combination Ipilimumab + Nivolumab In Metastatic Or Unresectable Non-Clear Cell Renal
Australia New Zealand Urogenital and Prostate Cancer Trials Group	Jeffrey Goh	TheraP: A randomised phase 2 trial of 177 Lu-PSMA617 theranostic versus cabazitaxel in men with progressive metastatic castration resistant prostate cancer
Australia New Zealand Urogenital and Prostate Cancer Trials Group	Natasha Roberts	The Patient Experience of Participating in a Clinical Trial
Cooperative Trials Group for Neuro-oncology	Zarnie Lwin	NUTMEG: A Randomized Phase II Study of Nivolumab and TeMozolomide vs Temozolomide in newly diagnosed Elderly Glioblastoma
Australasian Gastrointestinal Trials Group	Matthew Burge	LIBERATE - phase II study evaluating liquid biopsies to profile metastatic colorectal cancer
Australasian Gastrointestinal Trials Group	Matthew Burge	PIT STUDY: An open label Phase IB/II, non-randomised, dose-escalating, safety, tolerability and pharmacokinetic study of first line Panitumumab, Irinotecan, Trifluridine/tipiracil in RAS wild type patients with metastatic colorectal cancer.
Australasian Gastrointestinal Trials Group	Matthew Burge	A randomised phase 2 study of Panitumumab monotherapy versus fluoropyrimidine and bevacizumab as first line therapy for RAS wild type metastatic colorectal cancer. (MONARCC study)
Australia New Zealand Gynaecological Oncology Group	Jeffrey Goh	Phase II clinical trial of the PARP inhibitor, olaparib, in HR-deficient metastatic breast and relapsed ovarian cancer in patients without germline mutations in BRCA1 and BRCA2: The EMBRACE study.
Melbourne Health	Alison Hadley	NOMINATOR: GENOMIC MATCHING TREATMENT FOR RARE CANCERS Feasibility of performing genomic testing of rare cancers to match the cancer to treatment.
QIMR Berghofer Medical Research Institute	Bryan Day (QIMR), Po Ling Inglis (CCS), Rosalind Jeffree (Neurosurgery)	Novel Therapies for Brain Cancer
University of New South Wales	Zarnie Lwin	The changing landscapes of survivorship: A sociological study of cancer
Medical Oncology, Cancer Care Services, RBWH	Natasha Roberts	Poster Project: A pilot study to describe medical oncology patient perceptions of research

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Medical Oncology, Royal Prince Alfred and Concord Hospitals	Melissa Eastgate	i-Tool: Evaluation of a web-based tool for estimating and explaining Prognosis
University of Queensland	Zarnie Lwin	Women's Cancer Project: Understanding and improving social support amongst women with cancer: A qualitative study
Rebecca Mercieca-Bebber (University of Sydney)	Natasha Roberts	Quality of life end-points in clinical trials
Quan Tran, Cancer Care Services TPCB	Brett Hughes, Zarnie Lwin, David Smith, Andrew Schmidt	Identifying perceived barriers to physical activity in patients with lung cancer at two Brisbane-based institutions
Brenton Baguley (UQ), Olivia Wright (UQ), Tina Skinner (UQ), Michael Leveritt (UQ), Kirsten Adlard (UQ),	Aneta Suder (CCS)	Can nutrition therapy with additional high intensity interval training improve cancer-related fatigue and quality of life in men with prostate cancer on androgen deprivation therapy?
Andrew Schmidt (TPCH)	Brett Hughes (CCS), Zarnie Lwin (CCS) Michael Allen (CCS)	Exploring the rate of hospital admissions due to immune therapy toxicities in two tertiary cancer centres.
Kate Roberts (PAH), Ken OByrne (QUT),	Brett Hughes(TPCH CCS), Zarnie Lwin (CCS)	A multi-institutional retrospective audit of patients with metastatic malignancy treated with nivolumab through the Open Access Scheme at the Princess Alexandra Hospital, the Royal Brisbane and Womens' Hospital, and The Prince Charles Hospital
Lisa Guccione (PMCC), Penelope Schofield (Swinburne University), Michael Michael (PMCC), Mustafa Khasraw (RNSH), Timothy Price (TQEH), Nick Pavlakis (RNSH), Megan Rogers (PMCC), Karla Gough (PMCC), Grace Kong (PMCC), Simone Leyden (Unicorn Foundation), John Leyden (Unicorn Foundation)	David Wyld (CCS),	DEFINING NETs - Defining the supportive care needs and psychological morbidity of patients with Functioning versus Non-Functioning Neuroendocrine Tumours (NETs).
Claudia Rutherford (Quality of Life Office, University of Sydney)	Natasha Roberts (CCS/ QUT)	Systematic Review of Quality of Life Measures
University of New South Wales	David Wyld (CCS), Robert Henderson (Neurology)	Peripheral Neuropathy in Chemotherapy-treated Patients: Predictors, Assessment strategies and Functional Outcomes IN FOCUS Study (Identifying Neurological and Functional Outcomes in Cancer Survivors Study)
Australasian Lung Cancer Trials Group	Brett Hughes (CCS), Phillip Chan (CCS)	NIVORAD - A randomised phase 2 trial of nivolumab and stereotactic ablative body radiotherapy in advanced non-small cell lung cancer, progressing after first or second line chemotherapy.

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
David Wyld, Ray Chan, Patsy Yates, Jane Turner, Elise Button.	Highly Commended: The Queensland Collaborative for Cancer Survivorship	2017 Metro North Research Excellence Awards – Health Services & Implementation Research

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Patsy Yates, Kimberly Alexander, Christine Miaskowski, Raymond Chan, Alexandra McCarthy, Steven McPhail, David Wyld, Helen Skerman	Medical Oncology	A sequential multiple assignment randomised trial (SMART) of nursing interventions to reduce pain associated with chemotherapy induced peripheral neuropathy	NHMRC APP1129532	\$178,354.55 (\$59451.00)	
Alex Broom, Emma Kirby, Renata Kokanovic; Jonathan Adams; Zarnie Lwin; David Wyld; Eng-Siew Koh; Paul de Souza; Lisa Woodland	Medical Oncology	Cultural Biographies, Medical Knowledge: A sociological study	Australian Research Council Linkage Grant	\$250,000.00 (\$8333.00)	\$210,000 [ARC]
Benjamin Chua, Bryan Day, Stephen Rose, Paul Thomas, Rosalind Jeffree, Yi Chieh Lim, Po-Ling Inglis, Z Lwin, Jacqui Keller	Medical Oncology, Radiation Oncology	Using molecular-guided PET/MRI imaging to target hypoxia in glioblastoma: A preclinical study to identify novel pathways and define molecular signatures associated with hypoxia and poor patient outcome	Herston Imaging Research Facility Seed Funding		\$66,498 Time frame not specified on Grant
Matthew Burge, Paul Thomas, David Wyld Stephen Rose, Melissa Eastgate, Nick O'Rourke David Cavalluchi, Richard Bryant	Medical Oncology	A study to look at a new way of detecting the spread of pancreas cancer.	Herston Imaging Research Facility Seed Funding		\$58 014 Time frame not specified on Grant
Matthew Burge, Paul Thomas, David Wyld Stephen Rose, Melissa Eastgate, Nick O'Rourke David Cavalluchi, Richard Bryant	Medical Oncology	A Pilot Study of CXCR-4 PET scanning in operable rectal cancer	Herston Imaging Research Facility Seed Funding		\$23 760 Time frame not specified on Grant

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Matthew Burge	Medical Oncology	MONARCC Study: A randomised Phase 2 study of panitumumab monotherapy versus panitumumab and 5 Fluorouracil as first line treatment for RAS and RAF wild type metastatic colorectal cancer (mCRC).	Australian Gastro-Intestinal Group Innovation Fund	\$33333.00 (\$11,111.00)	2017-2019 \$100,00.00
Alison Hadley	Medical Oncology	NOMINATOR: Genomic matching and treatment for rare cancers - Feasibility of performing genomic testing of rare cancers to match the cancer to treatment	Royal Brisbane and Women's Hospital Foundation Grant	\$38,000.00 (\$12,666.00)	2017
Medical Oncology Clinical Trials Unit	Medical Oncology	Clinical Trials Data Management Grant	Queensland Cancer Fund	\$61151.00 (\$20,383.00)	Oct 2016- Sep 2017 \$81,535.00
Natasha Roberts	Medical Oncology	Patient Reported Outcomes in a Medical Oncology Setting	Royal Brisbane and Women's Hospital Scholarship	\$50,000.00 (\$16,666.00)	2017 \$100,000.00
Natasha Roberts	Medical Oncology	Patient Reported Outcomes in a Medical Oncology Setting	Cancer Preceptorship for Primary Healthcare Providers	\$180.00	2017 \$180.00
Natasha Roberts	Medical Oncology	Patient Reported Outcomes in a Medical Oncology Setting	Diamond Care Grant for the Susan Sudak Day to End Cancers	\$7500.00 (\$2,500.00)	2017
Ray Chan, Brett Hughes	Medical Oncology	Development and evaluation of a nurse-led, tailored self-managing distressing symptoms in patients with advanced cancer (The SM2 Study).	National Health and Medical Research Council APP 1050386	\$39945.00 (\$13,315.00)	2013-2017 199,724.00
Natasha Roberts	Medical Oncology	Australia New Zealand Urogenital and Prostate Cancer ASM	ANZUP Travel Grant	\$550.00	2017 \$550.00
Melissa Eastgate, David Wyld, Matthew Burge, Vicki Whitehall	Medical Oncology	Genomic landscape of BRAF mutant colorectal cancers	RBWH Diamond Cancer Care Grant 2017	\$18,000.00 (\$6000.00)	2017-2018 Financial year \$36,000.00
David Wyld, Matthew Burge, Ray Chan, Jane Turner, Rachael Neale, Vanessa Beesley, Patsy Yates	Medical Oncology	PREPARES: Patients and relatives affected by pancreatic cancer: Referral, Education and Support Feasibility trial.	RBWH Diamond Cancer Care Grant 2017	\$19618.00 (\$6539.00)	2017-2018 Financial year \$39236.00

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Burge M, Wyld D, Eastgate M, Ahern E, Whitehall V, Dougall B, Smyth B, Teng M	Medical Oncology, QIMR,	Mapping immune infiltrates in colorectal cancer	RBWH Diamond Cancer Care Grant 2017	\$19,320.00 (\$6440.00)	2017-2018 Financial year \$38,640.00
Chan R, Molassiotis A, Yates P, Nasato G, Brown T, Button E, Marshall A, Isenring L, Wyld D, Eastgate M, Gavin N.	Medical Oncology	A Patient-family-Centered intervention to promote Nutrition In advanced Cancer patients: a pilot randomised controlled trial	RBWH Diamond Cancer Care Grant 2017	\$20,000.00 (\$6,666.00)	2017-2018 Financial year \$40,000.00
Natasha Roberts	Medical Oncology	Travel Grant 19th World Congress of Psycho-Oncology	Grant-In-Aid Scholarship QUT	\$2,000.00	2017 \$2,000.00
Natasha Roberts	Medical Oncology	Patient Experience of Clinical Trials Project	ANZUP Nursing and Allied Health Award	\$10 000	2017-2018
Manoj Bhatt (Nuc Med) David Wyld (CCS) Matthew Burge (CCS) Rahul Ladwa (CCS), Peter Garcia (Nuc Med), David Pattison (Nuc Med), Kevin Lee (Nuc Med), Samuel Kyle , Nicholas Dowson, Jye Smith (Nuc Med), Steven Goodman, Stephen Rose.	Nuclear Medicine, Medical Oncology, Herston Imaging Research Facility	Pilot project to assess liver metastases by comparing novel, dynamic and static functional imaging, and also morphological imaging with standard of care in WHO Grade I and Grade II Neuroendocrine Tumour (NET).	Herston Imaging Research Facility Seed Funding	\$38,500	2017-2018
David Wyld	Medical Oncology	F-NET Project: Financial Outcome in people with Neuro-Endocrine Tumours.	Ipsen Pty Ltd Aust.	\$13,000	2017
David Wyld (CCS), Gillian Nasato (CCS)	Medical Oncology	RBWH neuroendocrine tumour Nurse Coordinator	Ipsen Pty Ltd Aust.	\$22,500	June 2107- June 2018 \$45,000

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Ahern E, Harjunpaa H, Barkauskas D, Allen S, Takeda K, Yagita H, Wyld D , Dougall WC, Teng MWL, Smyth MJ . Co-administration of RANKL and CTLA4 antibodies enhances lymphocyte-mediated anti-tumor immunity in mice. Clinical Cancer Research June 2017 doi: 10.1158/1078-0432.CCR-17-0606. [Epub ahead of print]
Journal Article	Antonia SJ, Villegas A, Daniel D, Vicente D, Murakami S, Hui R, Yokoi T, Chiappori A, Lee KH, de Wit M, Cho BC, Bourhaba M, r Quantin X, Tokito T, Mekhail T, Planchard D, Kim Y, Karapetis KS, Hiret S, Ostoros G, Kubota K, Gray J, Paz-Ares L, de Castro Carpeño J, Wadsworth C, Melillo G, Jiang H, Huang Y, Dennis PA, Özgüroğlu M, for the PACIFIC Investigators. New England Journal of Medicine online September 8, 2017DOI: 10.1056/NEJMoa1709937 (Hughes B)

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Bartlett JMS, Ahmed I, Regan MM, Sestak I, Mallon EA, Dell'Orto P, Thürlimann B, Seynaeve C, Putter H, Van de Velde CJH, Brookes CL, Forbes JF, Viale G, Cuzick J, Dowsett M, Rea DW on behalf of the Translational Aromatase Inhibitor Overview Group (Trans-AIOG). HER2 status predicts for upfront AI benefit: A TRANS-AIOG meta-analysis of 12,129 patients from ATAC, BIG 1-98 and TEAM with centrally determined HER2. <i>European Journal of Cancer</i> 2017;79: 129-138 (Wyld D/Nottage M)
Journal article	Beesley V L, Janda M, Burmeister E A, Goldstein D, Gooden H, Merrett ND, O'Connell DL, Wyld DK, Chan RJ , Young JM, Neale RE. Association between pancreatic cancer patients' perception of their care coordination and patient-reported and survival outcomes <i>Palliative Support Care</i> . 2017 Jul 3:1-10. doi: 10.1017/S1478951517000608. [Epub ahead of print]
Journal article	Bonaventura A, O'Connell RL, Mapagu C, Beale PJ, McNally OM, Mileschkin LR, Grant PT, Hadley AM, Goh JCH , Sjoquist KM, Martyn J, DeFazio A, Scurry J, Friedlander ML; Paragon Investigators. Paragon (ANZGOG-0903): Phase 2 study of anastrozole in women with estrogen or progesterone receptor-positive platinum-resistant or -refractory recurrent ovarian cancer. <i>International Journal of Gynaecological Cancer</i> . 2017 (5) 900-906
Journal article	Borgquist S, Giobbie-Hurder A, Ahern TP, Garber JE, Colleoni M, L'ang I, Debled M, Ejlersen B, von Moos R, Smith I, Coates AS, Goldhirsch A, Rabaglio M, Price KN, Gelber RD, Regan MM, Thürlimann B: Cholesterol, cholesterol-lowering medication use, and Breast Cancer Outcome in the BIG 1-98 Study. <i>Journal of Clinical Oncology</i> . 2017. 35(12). 1179-1188 (Nottage M/Wyld D)
Journal article	Bradford NK, Walker R, Henney R, Inglis P , Chan R. Improvements in Clinical Practice for Fertility Preservation Among Young Cancer Patients: Results from Bundled Interventions. <i>J Adolesc Young Adult Oncol</i> . 2017 Sep 21. doi: 10.1089/jayao.2017.0042. [Epub ahead of print]
Journal Article	Brown TE, Wittholz K, Way M, Banks MD, Hughes BG, Lin CY, Kenny LM , Bauer JD. Investigation of p16 status, chemotherapy regimen, and other nutrition markers for predicting gastrostomy in patients with head and neck cancer. <i>Head and Neck</i> 2017. 39(5). 868-875
Journal Article	Brown TE, Banks MD, Hughes BGM, Lin CY, Kenny LM , Bauer JD. Randomised controlled trial of early prophylactic feeding vs standard care in patients with head and neck cancer. <i>British Journal of Cancer</i> . 2017: 117(1): 1-155
Journal Article	Brown T, Banks M, Hughes BGM , Lin C, Kenny LM, Bauer JD. Impact of early prophylactic feeding on long term tube dependency outcomes in patients with head and neck cancer. <i>Oral Oncol</i> . 2017 Sep;72:17-25. doi: 10.1016/j.oraloncology.2017.06.025. Epub 2017 Jul 5. PMID: 28797454
Journal Article	Brown T, Banks M, Hughes BGM , Lin C, Kenny L, Bauer J. Tube feeding during treatment for head and neck cancer - Adherence and patient reported barriers. <i>Oral Oncol</i> . 2017 Sep;72:140-149. doi: 10.1016/j.oraloncology.2017.07.017. Epub 2017 Jul 25 PMID: 28797450
Journal article	Casali PG, Zalcberg J, Le Cesne A, Reichardt P, Blay J-Y, Lindner LH, Judson IR, Schöffski P, Leyvraz S, Italiano A, Grünwald V, Pousa AL, Kotasek D, Sleijfer S, Kerst JM, Rutkowski P, Fumagalli E, Hogendoorn P, Litière S, Marreaud S, van der Graaf W, Gronchi A, Verweij J on behalf of the European Organisation for Research and Treatment of Cancer Soft Tissue and Bone Sarcoma Group, Italian Sarcoma Group, and Australasian Gastrointestinal Trials Group. Ten-year progression-free and overall survival in patients with unresectable or metastatic GI stromal tumors: Long-term analysis of the European Organisation for Research and Treatment of Cancer, Italian Sarcoma Group, and Australasian Gastrointestinal Trials Group Intergroup Phase III randomized trial on imatinib at two dose levels. <i>Journal of Clinical Oncology</i> . 2017 35(15). 1713-1720 (Wyld D)
Journal Article	Chan R, Yates P, Li Q, Komatsu H, Lopez V, Thandar M, Chacko ST, So KW, Pongthavornkamol K, Yi MS, Pittayapan P, Butcon J, Wyld D , Molassiotis A (2017). Oncology practitioners' perspectives and practice patterns of post-treatment cancer survivorship care in the Asia-Pacific region: whose job is it anyway? Results from the STEP study. <i>BMC Cancer</i> 2017 Nov 6;17(1):715. doi: 10.1186/s12885-017-3733-3..
Journal article	Chan RJ, Northfield S, Larsen E, Mihala G, Ullman A, Hancock P, Marsh N, Gavin N, Wyld D , Allworth A, Russell E, Choudhury MA, Flynn J, Rickard CM. Central venous Access device SeCurement And Dressing Effectiveness for peripherally inserted central catheters in adult acute hospital patients (CASCADE): a pilot randomised controlled trial. <i>Trials</i> . 2017 Oct 4;18(1):458. doi: 10.1186/s13063-017-2207-x.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Coleman RL, Oza AM, Lorusso D, Aghajanian C, Oaknin A, Dean A, Colombo N, Weberpals JI, Clamp A, Scambia G, Leary A, Holloway RW, Gancedo MA, Fong PC, Goh JC , O'Malley DM, Armstrong DK, Garcia-Donas J, Swisher EM, Floquet A, Konecny GE, McNeish IA, Scott CL, Cameron T, Maloney L, Isaacson J, Goble S, Grace C, Harding TC, Raponi M, Sun J, Lin KK, Giordano H, Ledermann JA, on behalf of the ARIEL3 investigators. Rucaparib maintenance treatment for recurrent ovarian carcinoma after response to platinum therapy (ARIEL3): a randomised, double-blind, placebo-controlled, phase 3 trial. Published Online September 12, 2017 http://dx.doi.org/10.1016/S0140-6736(17)32440-6
Journal article	Fennell LJ, Clendenning M, McKeone DM, Jamieson SH, Balachandran S, Borowsky J, Liu J, Kawamata F, Bond CE, Rosty C, Burge ME , Buchanan DD, Leggett BA, Whitehall VLJ. RNF43 is mutated less frequently in Lynch Syndrome compared with sporadic microsatellite unstable colorectal cancers. <i>Familial Cancer</i> . 2017 Jun 1. doi: 10.1007/s10689-017-0003-0. [Epub ahead of print]
Case report	Flower M, Nandakumar L, Singh M, Wyld D , Windsor M, Fielding D. Respiratory bronchiolitis-associated interstitial lung disease secondary to electronic nicotine delivery system use confirmed with open lung biopsy. <i>Respirol Case Rep</i> . 2017. 5(3) e000230
Journal article	Francis PA. Adjuvant endocrine therapy for premenopausal women: Type and duration. <i>The Breast</i> 34(sup 1) Aug 17 S108-S111 (WyldD/NottageM) SOFT and TEXT studies
Journal article	Gan HK, Reardon DA, Lassman AB, Merrell R, van den Bent M1, Butowski N, Lwin Z , Wheeler H, Fichtel L, Scott AM, Gomez EJ, Fischer J, Mandich H, Xiong H, Lee HJ, Munasinghe WP, Roberts-Rapp LA, Ansell PJ, Holen KD, Kumthekar P. Safety, Pharmacokinetics and Antitumor Response of Depatuxizumab Mafodotin as Monotherapy or in Combination with Temozolomide in Patients with Glioblastoma. <i>Neuro Oncol</i> . 2017 Oct 25. doi: 10.1093/neuonc/nox202. [Epub ahead of print]
Journal article	Gandhi L, Ignatius Ou SH, Shaw AT, Barlesi F, Dingemans AC, Kim DW, Camidge DR, Hughes BGM , Yang JC, de Castro J, Crino L, Léna H, Do P, Golding S, Bordogna W, Zeaiter A, Kotb A, Gadgeel S. Efficacy of alectinib in central nervous system metastases in crizotinib-resistant ALK-positive non-small-cell lung cancer: Comparison of RECIST 1.1 and RANO-HGG criteria. <i>European Journal of Cancer</i> Sep 2017 (82)27-33
Journal article	Gibson A, Broom B, Kirby K, Wyld D , Lwin Z '...My biggest worry now is how my husband is going to cope': Women's relational experiences of cancer 'care' during illness. <i>Journal of Gender Studies (CJGS)</i> Online 3 Jul 17 DOI: 10.1080/09589236.2017.1340154
Journal article	Gibson AF, Broom A, Kirby E, Wyld DK , Lwin Z . The social reception of women with cancer. <i>Qualitative Health Research</i> , 27 7: 983-993. doi:10.1177/1049732316637591
Journal article	Gild ML, Topliss DJ, Learoyd D, Parnis F, Tie J, Hughes B , Walsh JP, McLeod DS, Clifton-Bligh RJ, Robinson BG. Clinical guidance for Radioiodine Refractory Differentiated Thyroid Cancer. <i>Clin Endocrinol (Oxf)</i> . 2017 Nov 2. doi: 10.1111/cen.13508. [Epub ahead of print]
Journal article	Hughes BG , Ahern E , Lehman M, Pratt G , Dauth M, Pritchard W , Wockner L, Horwood K. Concurrent chemoradiation with cisplatin and vinorelbine followed by consolidation with oral vinorelbine in locally advanced non-small cell lung cancer (NSCLC): the phase II CONCAVE study. <i>Asia-Pacific Journal of Clinical Oncology</i> . 201713(3): 137-144
Journal article	Janda M, Neale RE, Klein K, O'Connell DL, Gooden H, Goldstein D, Merrett ND, Wyld DK , Rowlands IJ, Beesley VL. Anxiety, depression and quality of life in people with pancreatic cancer and their carers. <i>Pancreatology</i> . 2017 17(2):321-327
Journal Article	Kenny K, Broom A, Kirby E, Wyld D , Lwin Z . Terminal anticipation: Entanglements of affect and temporality in living with advanced cancer. <i>Subjectivity</i> , 10 4: 374-392. doi:10.1057/s41286-017-0034-x
Case Report	Kevat D, Chen M, Wyld D , Fagermo N, Lust K. A case of pulmonary carcinoid in pregnancy and review of carcinoid tumours in pregnancy. <i>Obstetric Medicine</i> February 5, 2017 DOI: 10.1177/1753495X16687700 [Epub ahead of print]
Journal Article	Kirby E, Broom A, Good P, Bowden V, Lwin Z . Experiences of interpreters in supporting the transition from oncology to palliative care: A qualitative study. <i>Asia Pac J Clin Oncol</i> . 2017 Oct;13(5):e497-e505.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Mason M, Maurice C, McNamara MG, Tieu MT, Lwin Z , Millar BA, Menard C, Laperriere N, Milosevic M, Atenafu EG, Mason W, Chung C. Neutrophil-lymphocyte ratio dynamics during concurrent chemo-radiotherapy for glioblastoma is an independent predictor for overall survival. <i>Journal of Neurooncology</i> . 2017. 132(3):463-471
Journal article	McKeage M, Kotasek D, Markman B, Hidalgo M, Millward M, Jameson M, Harris D, Staggs R, Kapoun A, Xu L, Hughes BGM . A phase 1b study of the anti-cancer stem cell DLL4-binding agent demcizumab with pemetrexed and carboplatin as 1st line treatment of patients with metastatic non-squamous NSCLC. <i>Targeted Oncology</i> 2017 doi.org/10.1007/s11523-017-0543-0.
Journal article	Molassiotis A, Yates P, Li Q, So WKW, Pongthavornkamol K, Pittayapan P, Komatsu H, Thandar M, Li MS, Titus Chacko S, Lopez V, Butcon J, Wyld D , Chan RJ,4; STEP Study Collaborators. Mapping unmet supportive care needs, quality-of-life perceptions and current symptoms in cancer survivors across the Asia-Pacific region: results from the International STEP Study. <i>Ann Oncol</i> . 2017 Oct 1;28(10):2552-2558. doi: 10.1093/annonc/mdx350.
Journal article	Moroney LB, Helios J, Ward EC, Crombie J, Wockner LF, Burns CL, Spurgin AL, Blake C, Kenny L, Hughes BG . Patterns of dysphagia and acute toxicities in patients with head and neck cancer undergoing helical IMRT±concurrent chemotherapy. <i>Oral Oncology</i> . 2017. 64: 1-8
Journal article	Nottage MK, Lin C, Hughes BG, Kenny L , Smith DD, Houston K, Francesconi A . Prospective study of definitive chemoradiation in locally or regionally advanced squamous cell carcinoma of the skin. <i>Head and Neck</i> . 2017 39(4): 679-683
Journal Article	Payne M, Burmeister EA, Waterhouse M, Jordan SJ, O'Connell DL, Merrett ND, Goldstein D, Wyld D , Beesley VL, Gooden H, Janda M, Neale RE. Biliary Stenting in Patients With Pancreatic Cancer: Results From a Population-Based Cohort Study. <i>Pancreas</i> . 2017 Dec 5. doi: 10.1097/MPA.0000000000000960. [Epub ahead of print]
Journal Article	Plage, S, Gibson, A, Burge, M, Wyld, D . (2017). Cancer on the margins: experiences of living with neuroendocrine tumours. <i>Health Sociology Review</i> , 1-15. doi:10.1080/14461242.2017.1387068.
Journal Editorial	Poorvu PD, Partridge AH. Ovarian Suppression for Women Younger Than 35 Years: New Data to Support Informed Decision Making. <i>Journal of Clinical Oncology</i> 1 Jul 17 https://doi.org/10.1200/JCO.2017.73.5662 (WyldD/NottageM) SOFT and TEXT studies
Journal Article	Regan MM, Walley BA, Francis PA, Fleming GF, Colleoni M, Gelber RD, Coates AS, Goldhirsch A, Pagani O, for TEXT and SOFT Investigators. The timing of ovarian function suppression (OFS) with chemotherapy in premenopausal women with endocrine-responsive HER2-negative early breast cancer: a secondary analysis of TEXT and SOFT <i>The Breast</i> Mar 2017 32(1) S28. DOI: http://dx.doi.org/10.1016/S0960-9776(17)30120-0 (WyldD/NottageM)
Journal Article	Regan MM, Walley BA, Francis PA, Fleming GF, Lang I, Gomez HL, Colleoni M, Tondini C, Pinotti G, Salim M, Spazzapan S, Parmar V, Ruhstaller T, Abdi EA, Gelber RD, Coates AS, Goldhirsch A, Pagani O. Concurrent and sequential initiation of ovarian function suppression with chemotherapy in premenopausal women with endocrine-responsive early breast cancer: an exploratory analysis of TEXT and SOFT. <i>Annals of Oncology</i> 2017; 28:2225-2232 (epub 29/07/17).
Journal article	Roberts K, Culleton V, Lwin Z , O'Byrne K, Hughes B . Immune checkpoint inhibitors: navigating a new paradigm of treatment toxicities. <i>Asia Pacific Journal of Oncology</i> . 13(4) Aug 2017 277-288
Journal article	Roncolato FT, Joly F, O'Connell R, Lanceley A, Hilpert F, Buizen L, Okamoto A, Aotani E, Pignata S, Donnellan P, Oza A, Avall-Lundqvist E, Berek JS, Heitz F, Feeney A, Berton-Rigaud D, Stockler MR, King M, Friedlander M; GCIg Symptom Benefit group. Reducing Uncertainty: Predictors of Stopping Chemotherapy Early and Shortened Survival Time in Platinum Resistant/Refractory Ovarian Cancer- The GCIg Symptom Benefit Study <i>The Oncologist</i> 2017 vol. 22 no. 9 1117-1124 (Hadley A/GohJ)
Journal article	Saha P, Regan MM, Pagani O, Francis PA, Walley BA, Ribi K, Bernhard J, Luo W, Gómez HL, Burstein HJ, Parmar V, Torres R, Stewart J, Bellet M, Perelló A, Dane F, Moreira A, Vorobiof D, Nottage M , Price KN, Coates AS, Goldhirsch A, Gelber RD, Colleoni M, Fleming GF, SOFT; TEXT Investigators; International Breast Cancer Study Group. Treatment Efficacy, Adherence, and Quality of Life Among Women Younger Than 35 Years in the International Breast Cancer Study Group TEXT and SOFT Adjuvant Endocrine Therapy Trials. <i>Journal of Clinical Oncology</i> 35(27) Sep 2017 3113-3122

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Spigel D, et al. Results from the Phase III Randomised Trial of Onartuzumab plus Erlotinib versus Erlotinib in previously treated Stage IIIb or IV Non-small Cell Lung Cancer: METLung. J Clin Oncol 2017; 35:412-420. Journal of Clinical Oncology 35, No 4 (Feb 2017) (Hughes B)
Journal article	Thaker DA, Douglas E , Blazak J, Xu W, Hughes B, Burge M , Steinke K, Wyld D . An analysis of incidental and symptomatic pulmonary embolism (PE) in medical oncology patients. Asia Pac J Clin Oncol. 2017 Jun;13(3):243-248. doi: 10.1111/ajco.12650. Epub 2016 Dec 14
Journal article	van den Bent MJ, Baumert B, Erridge SC, Vogelbaum MA, Nowak AK, Sanson M, Brandes AA, Clement PM, Baurain JF, Mason WP, Wheeler H, Chinot OL, Gill S, Griffin M, Brachman DG, Taal W, Rudà R, Weller M, McBain C, Reijneveld J, Enting RH, Weber DC, Lesimple T, Clenton S, Gijtenbeek A, Pascoe S, Herrlinger U, Hau P, Dhermain F, van Heuvel I, Stupp R, Aldape K, Jenkins RB, Dubbink HJ, Dinjens WMN, Wesseling P, Nuyens S, Gofinopoulos V, Gorlia T, Wick W, Kros JM. Interim results from the CATNON trial (EORTC study 26053-22054) of treatment with concurrent and adjuvant temozolomide for 1p/19q non-co-deleted anaplastic glioma: a phase 3, randomised, open-label intergroup study. The Lancet Published online August 8, 2017 http://dx.doi.org/10.1016/S0140-6736(17)31442-3 (Z Lwin)
Journal article	van den Bent M, Gan HK, Lassman AB, Kumthekar P, Merrell R, Butowski N, Lwin Z , Mikkelsen T, Nabors LB, Papadopoulos KP, Penas-Prado M, Simes J, Wheeler H, Walbert T9, Scott AM, Gomez E, Lee HJ, Roberts-Rapp L, Xiong H, Bain E, Ansell PJ, Holen KD, Maag D, Reardon DA. Efficacy of depatuxizumab mafodotin (ABT-414) monotherapy in patients with EGFR-amplified, recurrent glioblastoma: results from a multi-center, international study. Cancer Chemother Pharmacol. 2017 Dec;80(6):1209-1217. 2017 Oct 26. doi: 10.1007/s00280-017-3451-1. [Epub ahead of print]
Journal article	Wasan HS1, Gibbs P2, Sharma NK3, Taieb J4, Heinemann V5, Ricke J6, Peeters M7, Findlay M8, Weaver A9, Mills J10, Wilson C11, Adams R12, Francis A13, Moschandreas J14, Virdee PS14, Dutton P14, Love S14, GebSKI V15, Gray A16; FOXFIRE trial investigators; SIRFLOX trial investigators; FOXFIRE-Global trial investigators, van Hazel G17, Sharma RA18. Collaborators: Adams R, Bateman A, Blesing C, Brown E, Chau I, Cummins S, Cunningham D, Falk S, Hadaki M, Hall M, Hickish T, Hornbuckle J, Lofts F, Lowndes S, Mayer A, Metcalfe M, Middleton G, Mills J, Montazeri A, Muirhead R, Polychronis A, Purcell C, Ross P, Sharma RA, Sherwin L, Smith D, Soomal R, Swinson D, Walther A, Wasan H, Weaver A, Wilson C, Wilson G, Amin P, Angelelli B, Balosso J, Beny A, Bloomgarden D, Boucher E, Brown M, Bruch HR, Bui J, Burge M , Cardaci G, Carlisle J, Chai S, Chen YJ, Chevallier P, Chuong M, Clarke S, Coveler A, Craninx M, Delanoit T, Deleporte A, Eliadis P, Facchini F, Ferguson T, Ferrante M, Findlay M, Frenette G, Frick J, Ganju V, Garofalo M, Geboes K, Gehbauer G, George B, Geva R, Gibbs P, Gordon M, Gregory K, Gulec S, Hannigan J, van Hazel G, Heching N, Heinemann V, Helmberger T, Hendlisz A, Hendrickx K, Holtzman M, Isaacs R, Jackson C, James P, Kaiser A, Karapetis C, Kaubisch A, Ko YD, Kröning H, Lammert F, Liauw W, Limentani S, Louafi S, de Man M, Margolis J, Martin R, Martoni A, Marx G, Matos M, Monsaert E, Moons V, Nott L, Nusch A, O'Donnell A, Ozer H, Padia S, Pavlakis N, Peeters M, Perez D, Pluntke S, Polus M, Powell A, Pracht M, Price T, Ransom D, Rebischung C, Ricke J, Ridwelski K, Riera-Knorrenschild J, Riess H, Rilling W, Robinson B, Rodríguez J, Sanchez F, Sauerbruch T, Savin M, Scheidhauer K, Schneiderman E, Seeger G, Segelov E, Schmueller ES, Shani A, Shannon J, Sharma N, Shibata S, Singhal N, Smith D, Smith R, Stemmer S, Stötzer O, Strickland A, Taieb J, Tatsch K, Terrebbonne E, Tichler T, Vehling-Kaiser U, Vera-Garcia R, Vogl T, Walpole E, Wang E, Whiting S, Wolf I, Ades S, Aghmesheh M, Angelelli B, Auber M, Ayala H, Beny A, Bloomgarden D, Boland P, Bouche E, Bowers C, Bremer C, Bui J, Burge M, Carlisle J, Casado AR, Chai S, Chuong M, Cooray P, Crain M, De Wit M, Deleporte A, Dowling K, Durand A, Facchini F, Faivre S, Feeney K, Ferguson T, Ferru A, Findlay M, Fragoso M, Frenette G, Frick J, Ganju V, Geva R, Gibbs P, Granetto C, Hammel P, van Hazel G, Heching N, Hendlisz A, Hendrickx K, Holtzman M, Issacs R, Iyer R, Jackson C, Kaiser A, Kaubisch A, Kim YH, Kröning H, Liang JT, Lim L, Limentani S, Liu JH, Louafi S, de Man M, Masi G, Matos M, Monsaert E, Mosconi S, Nott L, Numico G, O'Donnell A, Peeters M, Polus M, Pracht M, Ratner L, Rebischung C, Sae-Won H, Sanchez F, Shani A, Sharma N, Singh M, Singhal N, Smith D, Stoltzfus P, Strickland A, Taieb J, Tan I, Terrebbonne E, Tichler T, Trogu A, Underhill C, Vera-Garcia R, Walpole E, Wang E, Westcott M. First-line selective internal radiotherapy plus chemotherapy versus chemotherapy alone in patients with liver metastases from colorectal cancer (FOXFIRE, SIRFLOX, and FOXFIRE-Global): a combined analysis of three multicentre, randomised, phase 3 trials. Lancet Oncology S1470-2045(17)30457-6. 3 Aug 2017

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Weischenfeldt KLH, Kirkegaard T, Rasmussen BB, Giobbie-Hurder A, Jensen M, Ejlersen B, Lykkesfeldt AE. A high level of oestrogen-stimulated proteins selects breast cancer patients treated with adjuvant endocrine therapy with good prognosis. E-published Acta Oncol 2017 May 10 BIG1-98 (Wyld D/Nottage M)
Journal article	Weller M1, Butowski N2, Tran DD3, Recht LD4, Lim M5, Hirte H6, Ashby L7, Mechtler L8, Goldlust SA9, Iwamoto F10, Drappatz J11, O'Rourke DM12, Wong M13, Hamilton MG14, Finocchiaro G15, Perry J16, Wick W17, Green J18, He Y18, Turner CD18, Yellin MJ18, Keler T18, Davis TA18, Stupp R19, Sampson JH20; ACT IV trial investigators.Collaborators: Butowski N, Campian J, Recht L, Lim M, Ashby L, Drappatz J, Hirte H, Iwamoto F, Mechtler L, Goldlust S, Becker K, Barnett G, Nicholas G, Desjardins A, Benkers T, Wagle N, Groves M, Kesari S, Horvath Z, Merrell R, Curry R, O'Rourke J, Schuster D, Wong M, Mrugala M, Jensen R, Trusheim J, Lesser G, Belanger K, Sloan A, Purov B, Fink K, Raizer J, Scholder M, Nair S, Peak S, Perry J, Brandes A, Weller M, Mohile N, Landolfi J, Olson J, Finocchiaro G, Jennens R, DeSouza P, Robinson B, Crittenden M, Shih K, Flowers A, Ong S, Connelly J, Hadjipanayis C, Giglio P, Mott F, Mathieu D, Lessard N, Sepulveda SJ, Lövey J, Wheeler H, Inglis PL , Hardie C, Bota D, Lesniak M, Portnow J, Frankel B, Junck L, Thompson R, Berk L, McGhie J, Macdonald D, Saran F, Soffietti R, Blumenthal D, André de SBCM, Nowak A, Singhal N, Hottinger A, Schmid A, Srkalovic G, Baskin D, Fadul C, Nabors L, LaRocca R, Villano J, Paleologos N, Kavan P, Pitz M, Thiessen B, Idbaih A, Frenel JS, Domont J, Grauer O, Hau P, Marosi C, Sroubek J, Hovey E, Sridhar PS, Cher L, Dunbar E, Coyle T, Raymond J, Barton K, Guarino M, Raval S, Stea B, Dietrich J, Hopkins K, Erridge S, Steinbach JP, Pineda LE, Balana QC, Sonia Del BB, Wenczl M, Molnár K, Hideghéty K, Lossos A, Myra van L, Levy A, Harrup R, Patterson W, Lwin Z , Sathornsumetee S, Lee EJ, Ho JT, Emmons S, Duic JP, Shao S, Ashamalla H, Weaver M, Lutzky J, Avgeropoulos N, Hanna W, Nadipuram M, Cecchi G, O'Donnell R, Pannullo S, Carney J, Hamilton M, MacNeil M, Beaney R, Fabbro M, Schnell O, Fietkau R, Stockhammer G, Malinova B, Odrzka K, Sames M, Miguel Gil G, Razi E, Lavrenkov K, Castro G, Ramirez F, Baldotto C, Viola F, Malheiros S, Lickliter J, Gauden S, Dechaphunkul A, Thaipisuttikul I, Thotathil Z, Ma HI, Cheng WY, Chang CH, Salas F, Dietrich PY, Mamot C, Nayak L, Nag S. Rindopepimut with temozolomide for patients with newly diagnosed, EGFRvIII-expressing glioblastoma (ACT IV): a randomised, double-blind, international phase 3 trial. Lancet Oncol. 2017 Aug 22. Online DOI: http://dx.doi.org/10.1016/S1470-2045(17)30619-8
Journal article	Young A, Ngiow S, Madore J, Reinhardt J, Landsberg J, Chitsazan A, Rautela J, Bald T, Barkauskas DS, Ahern E , Huntington ND, Schadendorf D, Long GV, Boyle GM, Hölzel M, Scolyer RA, Smyth MJ. Targeting Adenosine in BRAF-Mutant Melanoma Reduces Tumor Growth and Metastasis. Cancer Res. 2017 Sep 1;77(17):4684-4696

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
International faculty and invited guest speaker	Lwin Z . A Qualitative Study of Medical Oncologists' Experiences of Their Profession and Workforce Sustainability. Japanese Society of Medical Oncology Annual Meeting, Kobe, Japan July 2017
International faculty and invited guest speaker	Lwin Z . A Qualitative Study of Medical Oncologists' Experiences of Their Profession and Workforce Sustainability. Singapore Society of Medical Oncology Annual Meeting, Singapore, July 2017
International faculty and invited guest speaker	Lwin Z . ISNO Debate: FOR THE MOTION – have molecular information provided meaningful benefit in glioma? Indian Society of Neuro-oncology Annual Scientific Meeting, Bangalore, India March 2017
Invited Speaker	Lwin Z Treatment challenges in vulnerable patients. COGNO (Co-operative Trials Group for Neurooncology) ASM Melbourne 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited speaker	Wyld D . Theranostics for NETs tumours Brisbane Cancer Conference 23-24 Nov 2017
Invited speaker	Wyld D . Cancer on the Margins: Experiences of Living with Neuroendocrine Tumours. Brisbane Cancer Conference 23-24 Nov 2017
Invited speaker	Wyld D . Brisbane Neuroendocrine Tumour patient Forum, for the Unicorn Foundation. Cancer Council Queensland, 4 Sept 2017
Invited speaker	Wyld D . Cancer on the Margins: Experiences of Living with Neuroendocrine Tumours. Brisbane Cancer Conference 23-24 Nov 2017
Invited speaker	Wyld D . Brisbane Neuroendocrine Tumour patient Forum, for the Unicorn Foundation. Cancer Council Queensland, 4 Sept 2017
Oral presentation	Ahern E . Immunotherapy in solid tumours. 26th Annual RBWH Healthcare Symposium 12-14 Sep 17
Oral Presentation	Burge ME , Lee B, Lee M, Wong R, Parente P, Desai J, Tran B, Nott LM, Shapiro JD, Richardson GE, Zimet AS, Gibbs P. Impact of clinical and molecular features on risk of recurrence following curative intent resection of metastases in metastatic colorectal cancer. Gastrointestinal Cancers Symposium, ASCO Jan 2017
Oral Presentation	Burge M, Wyld D, Eastgate M , Campbell L, Mckenzie A , O'Rourke N, Cavallucci D, Bryant R, Thomas P. 68Gallium-Pentixafor PET/CT for imaging of pancreatic adenocarcinoma: A prospective pilot study. RBWH Cancer Care Services Research retreat. Brisbane 2 Nov 17
Oral Presentation	Chan R, Yates P, Li Q, Komatsu H, Lopez V, Thandar M, Titus Chacko S, So W, Pongthavornkamo K, Yi M, Pittayapan P, Butcon J, Wyld D , Molassiotis A. Oncology practitioners' perspectives of survivorship care provision in the Asia-Pacific Region. ICCN 2017, Anaheim California July 9-12 2017.
Oral Presentation	Chan RJ, Yates P, Wyld D , Li Q, So WKW, Pongthavornkamol K, Pittayapan P, Komatsu H, Thandar M, Li M-S, Titus Chacko S, Lopez V, Butcon J, Molassiotis A. Mapping unmet supportive care needs, quality of life perceptions and symptom burden in 1,748 cancer survivors across the Asia-Pacific region: Findings from the STEP Study. RBWH Cancer Care Services Research retreat. Brisbane 2 Nov 17
Oral Presentation	Coleman R, Oza AM, Lorusso D, Aghajanian C, Oaknin A, Dean A, Colombo N, Weberpals JL, Clomp A, Scambia G, Leary A, Holloway RW, Gancedo MA, Fong PC, Goh JC , O'Malley DM, Armstrong DK, Garcia-Donas J, Swisher EM, Floquet A, Konecny GE, McNeish IA, Scott CL, Cameron T, Maloney L, Isaacson J, Goble S, Grace C, Harding TC, Raponi M, Sun J, Lin LK, Giordano H, Ledermann JA, on behalf of the ARIEL3 investigators. Rucaparib maintenance treatment for recurrent ovarian carcinoma after response to platinum therapy (ARIEL3): a randomised, double-blind, placebo-controlled, phase 3 trial. RBWH Cancer Care Services Research retreat. Brisbane 2 Nov 17
Oral Presentation	Curley C, Wyld D , Chan P. Update on departmental investigator driven trials throughout the last year. Cancer Care Services Research retreat. Brisbane 2 Nov 17. RBWH Cancer Care Services Research retreat. Brisbane 2 Nov 17
Oral Presentation	Fong L, Forde P, Powderly II J, Goldman J, Nemunaitis J, Luke J, Hellmann M, Kummar S, Doebele R, Mahadevan D, Gadgeel S, Hughes B , Markman B, Riese M, Brody J, Emens L, McCaffery I, Miller R, Laport G. Safety and clinical activity of adenosine A2a receptor (A2aR) antagonist, CPI-444 in anti-PD (L)1 treatment-refractory renal cell and non-small cell lung cancer patients. American Society of Clinical Oncology ASM Jun 2017
Oral Presentation	Goh J , Update on the management of advanced RCC. Brisbane Cancer Conference 23-24 Nov 2017
Oral Presentation	Hughes B . Updates on systemic therapy in Head and Neck cancer. Brisbane Cancer Conference 23-24 Nov 2017
Oral Presentation	Ladwa R, Wyld D , Pattison DA, Burge M , Dowson N, Rose S, Smith J, Goodman S, Williams S. Predictors of dosimetry and response to peptide receptor radionuclide therapy.
Oral Presentation	Lassman AB, ven den Bent M, Gan HK, Reardon D, Kumthekar P, Butowski N, Lwin Z , Mikkelsen T, Nabors LB, Papadopoulos KP, Penas-Prado M, Simes J, Wheeler H, Gomez E, Lee H-J, Roberts-Rapp L, Xiong H, Bain E, Maag D, Merrell R. Efficacy analysis of ABT-414 +/- Temozolomide in EGFR-amplified, recurrent glioblastoma from a multicentre, international Phase I clinical trial. American Society of Clinical Oncology ASM, Chicago, USA May 2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Presentation	Lassman AB, ven den Bent M, Gan HK, Reardon D, Kumthekar P, Butowski N, Lwin Z , Mikkelsen T, Nabors LB, Papadopoulos KP, Penas-Prado M, Simes J, Wheeler H, Gomez E, Lee H, Roberts-Rapp L, Xiong H, Bain E, Maag D, Merrell R. Efficacy analysis of ABT-414 +/- Temozolomide in EGFR-amplified, recurrent glioblastoma from a multicentre, international Phase I clinical trial. Asian Society of Neurooncology Annual Scientific Meeting, Osaka, Japan Oct 2017
Oral Presentation	Lassman AB, ven den Bent M, Gan HK, Reardon D, Kumthekar P, Butowski N, Lwin Z , Mikkelsen T, Nabors LB, Papadopoulos KP, Penas-Prado M, Simes J, Wheeler H, Gomez E, Lee H, Roberts-Rapp L, Xiong H, Bain E, Maag D, Merrell R. Efficacy analysis of ABT-414 +/- Temozolomide in EGFR-amplified, recurrent glioblastoma from a multicentre, international Phase I clinical trial. Co-operative Group of Neuro-Oncology Annual Scientific Meeting, Melbourne, Australia Oct 2017
Oral Presentation	Lee B, Cohen J, Lipton LR, Tie J, Javed AA, Li L, Goldstein D, Cooray C, Nagrial A, Burge ME , Tebbutt NC, Nikfarjam M, Harris M, O'Broin-Lennon AM, Wolfgang CL, Tomasetti C, Papadopoulos N, Kinzler KW, Vogelstein B, Gibbs P. Potential role of circulating tumor DNA (ctDNA) in the early diagnosis and post-operative management of localised pancreatic cancer. American Society of Clinical Oncology ASM May 2017
Oral Presentation	Lee B, Mendis S, Lee M, Wong R, Kosmider S, Shapiro JD, Yip D, Steel SA, Nott LM, Jennens R, Lipton LR, Burge ME , Ananda S, Gibbs P. Left versus right sided colorectal cancer: Teasing out drivers of disparity in outcomes in metastatic disease. Gastrointestinal Cancers Symposium, American Society of Clinical Oncology Jan 2017
Oral Presentation	Michael M, Liauw W, McLachlan S-A, Link E, Matera A, Thompson M, Jefford M, Hicks RJ, Cullinane C, Campbell I, Beale PJ, Karapetis CS, Price T, Burge ME . The utility of genomics and functional imaging to predict irinotecan pharmacokinetics and pharmacodynamics: The PREDICT IR study. American Society of Clinical Oncology ASM May 2017
Oral Presentation	Molassiotis A, Yates P, Li Q, So W, Pongthavornkamo K, Pittayapan P, Komatsu H, Thandar M, Yi M, Titus Chacko S, Butcon J, Wyld D , Chan R. Unmet care needs of cancer survivors in 9 Asia-Pacific countries: Results from the STEP Study. ICCN 2017, Anaheim California, July 9-12 2017.
Oral Presentation	Price TJ, Karapetis CS, Padbury R, Burge ME , Roy AC, Maddern G, Roder D, Piantadosi C, Townsend AM. Bevacizumab and its impact on survival for patients receiving subsequent anti-EGFR therapy: Updated results from the SA metastatic CRC registry. American Society of Clinical Oncology ASM May 2017
Oral Presentation	Price TJ, Karapetis CS, Roy AC, Padbury R, Maddern G, Roder D, Piantadosi C, Burge ME , Townsend AR. Bevacizumab and its impact on survival for patients receiving subsequent ANTI-EGFR therapy: Results from the South Australian metastatic colorectal cancer registry. Gastrointestinal Cancers Symposium, American Society of Clinical Oncology Jan 2017
Oral Presentation	Roberts K, Mason R , Lwin Z , Jain V, Hughes B , O'Byrne K. Outcomes of Nivolumab in metastatic NSCLC patients via the access program across multiple tertiary oncology centres. Medical Oncology Group of Australia, ASM, Melbourne, Australia. Aug 2017
Oral Presentation	Roberts N , Janda M, Alexander K, Wyld D . Understanding Staff needs when implementing Patient Reported Outcomes (PROs) in the clinical setting: A Qualitative Study. 19th World Congress of Psycho-Oncology Berlin Aug 2017
Oral Presentation	Roberts N , Janda M, Alexander K, Wyld D . Patient Reported Outcomes (PROs) in Clinical Practice: A Scoping Review of Reviews, Systematic Review and Meta-Analysis of the Research. 19th World Congress of Psycho-Oncology Berlin Aug 2017
Oral Presentation	Ladwa R , Wyld D , Pattison DA, Burge M , Dowson N, Rose S, Smith J, Goodman S, Williams S. Predictors of dosimetry and response to peptide receptor radionuclide therapy.
Oral Presentation	Suder A , Update on management of advanced urothelial/ bladder cancers. Brisbane Cancer Conference 23-24 Nov 2017
Oral Presentation	Wyld D , Gunawan B , Button E , Bates T , Nasato G . Unplanned Admissions To The Medical Oncology Unit at the Royal Brisbane & Women's Hospital – An Analysis of Emergency Presentations. RBWH Healthcare Symposium 12-14 Sept 2017
Oral Presentation	Wyld D , Burge M , Lwin Z , McDade H , Cubitt A , Broom A, Plage A, Gibson A. How long is the piece of string? How patients negotiate the uncertainties of a Neuroendocrine Tumour diagnosis. RBWH Healthcare Symposium 12-14 Sept 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Presentation	Wyld DK , Wan M H, Moore J. Neuroendocrine Neoplasm Trends over 32 Years in Queensland, Australia. 9-10 March, 2017. European Neuroendocrine Tumour Society 14th Annual Conference, At Barcelona, Spain
Oral Presentation	Wyld D , Plage S, Burge M , Broom A, Lwin Z , McDade H , Cubitt A . 'How long is the piece of string?' – How patients negotiate the uncertainties of a Neuroendocrine tumour diagnosis Cancer Survivorship 2017, February 2 - 3, 2017 Adelaide Convention Centre
Oral Presentation	Wyld D , Plage S, Burge M , Broom A, Lwin Z , McDade H , Cubitt A . 'How long is the piece of string?' – How patients negotiate the uncertainties of a Neuroendocrine tumour diagnosis Cancer Survivorship 2017, 26th Annual RBWH Healthcare Symposium – 12-14/09/2017 – Brisbane, Australia
Oral Presentation	Wyld D , Plage S, Burge M , Broom A, Lwin Z , McDade H , Cubitt A . 'How long is the piece of string?' – How patients negotiate the uncertainties of a Neuroendocrine tumour diagnosis Cancer Survivorship 2017, Brisbane Cancer Conference – 23-24/11/2017 – Brisbane, Australia
Oral Presentation	Wyld D, Plage S, Burge M, Broom A, Lwin Z, McDade H, Cubitt A. 'How long is the piece of string?' – How patients negotiate the uncertainties of a Neuroendocrine tumour diagnosis Cancer Survivorship 2017, RBWH Annual Scientific Symposium 2017
Poster presentation	de Bono J, Piulats J, Gross-Goupil M, Goh JC , Ojamaa K, Hoimes C, Vaishampayan U, Berger R, Sezer A, De Wit R, Drake C, Wu H, Poehlein P, Antonarakis ES. KEYNOTE-199: Phase 2 Nonrandomized Study of Pembrolizumab in Patients With PD-L1–Positive and PD-L1–Negative Metastatic Castration-Resistant Prostate Cancer. The Society for Immunotherapy of Cancer 32nd Annual Meeting & Pre-Conference Programs November 8-12, 2017 Maryland. USA
Poster presentation	Huang M, Nakagaki M, Burge M . Does Palonosetron Sufficiently Prevent Chemotherapy-Induced Nausea and Vomiting? An Audit. Society of Hospital Pharmacists Australia, Queensland Branch Symposium Gold Coast Jul 2017
Poster presentation	Huang M, Nakagaki M, Burge M . Does Palonosetron Sufficiently Prevent Chemotherapy-Induced Nausea and Vomiting? An Audit. RBWH Cancer Care Services Research Retreat. Brisbane 2 Nov 17
Poster presentation	Lassman AB, ven den Bent M, Gan HK, Reardon D, Kumthekar P, Butowski N, Lwin Z , Mikkelsen T, Nabors LB, Papadopoulos KP, Penas-Prado M, Simes J, Wheeler H, Gomez E, Lee H-J, Roberts-Rapp L, Xiong H, Bain E, Maag D, Merrell R. Efficacy analysis of ABT-414 +/- Temozolomide in EGFR-amplified, recurrent glioblastoma from a multicentre, international Phase I clinical trial. Best of ASCO Singapore July 2017
Poster presentation	Lassman AB, ven den Bent M, Gan HK, Reardon D, Kumthekar P, Butowski N, Lwin Z , Mikkelsen T, Nabors LB, Papadopoulos KP, Penas-Prado M, Simes J, Wheeler H, Gomez E, Lee H-J, Roberts-Rapp L, Xiong H, Bain E, Maag D, Merrell R. Efficacy analysis of ABT-414 +/- Temozolomide in EGFR-amplified, recurrent glioblastoma from a multicentre, international Phase I clinical trial. American Society of Clinical Oncology ASM, Chicago, USA May 2017
Poster presentation	Mason R , Caldwell R , Feng S , Inglis P , Andelkovic V, McGrath M, McCaffrey M, O'Byrne K. Neurological complications following treatment with Anti-PD1 immune checkpoint inhibitors. IASLC 18th World Conference on Lung Cancer 15-18 October 2011 Yokohama, Japan.
Poster presentation	Roberts K, Mason R , Lwin Z , Jain V, Hughes B, O'Byrne K. Outcomes of Nivolumab in metastatic NSCLC patients via the access program across multiple tertiary oncology centres. Medical Oncology Group of Australia, ASM, Melbourne, Australia
Poster presentation	Roberts K, Mason R , Lwin Z , Jain V, Hughes B , O'Byrne K. Outcomes of Nivolumab in metastatic NSCLC patients via the access program across multiple tertiary oncology centres. World Conference on Lung Cancer, Yokohama, November 2017
Poster presentation	Roberts N , Wyld D . Patient Reported Outcomes in a Medical Oncology Setting. Australia New Zealand Urogenital and Prostate Oncology Clinical Trials Group ASM, Melbourne, Jul 2017.
Poster presentation	Roberts N , Cubitt A , Western R , Keller J . Patient Understanding of Research in an Oncology Setting. Royal Brisbane and Women's Hospital Research Symposium, Brisbane, September 2017.
Poster presentation	Roberts N , Wyld D . Patient Reported Outcomes in a Medical Oncology Setting: A Protocol. Royal Brisbane and Women's Hospital Research Symposium, Brisbane, September 2017.
Poster presentation	Roberts N , Wyld D . A Pilot Study Protocol for Implementing Patient Reported outcomes in Clinical Practice. RBWH Cancer Care Services Research Retreat. Brisbane 2 Nov 17

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster presentation	Tie J, Cohen J, Wang Y, Li L, Kinde I, Elsaleh H, Wong R, Kosmider S, Yip D, Lee M, Tran B, Burge ME , Goldstein D, Singh MS, Diaz LA, Tomasetti C, Papadopoulos N, Kinzler KW, Vogelstein B, Gibbs P. The potential of circulating tumor DNA (ctDNA) to guide adjuvant chemotherapy decision making in locally advanced rectal cancer (LARC). American Society of Clinical Oncology ASM May 2017
Poster presentation	Schmidt A, Goh JC , Bhatt M, Thomas P, Suder A . The CHAPPP study: Changing care with PSMA-PET for prostate cancer—A retrospective study of the role of PSMA imaging in altering treatment pathways. Genitourinary Cancers Symposium. American Society of Clinical Oncology Feb 2017
Poster Presentation	Schmidt A, Goh JC , Bhatt M, Thomas P, Suder A. The CHAPPP study: Changing care with PSMA-PET for prostate cancer—A retrospective study of the role of PSMA imaging in altering treatment pathways. Australia New Zealand Urogenital and Prostate 16-18 Jul 2017
Poster presentation	Lassman AB, van den Bent M, Gan HK, Reardon D, Kumthekar P, Butowski N, Lwin Z , Mikkelsen T, Nabors LB, Papadopoulos KP, Penas-Prado M, Simes J, Wheeler H, Gomez E, Lee H, Roberts-Rapp L, Xiong H, Bain E, Maag D, Merrell R. Efficacy analysis of ABT-414 +/- Temozolomide in EGFR-amplified, recurrent glioblastoma from a multicentre, international Phase I clinical trial. American Society of Clinical Oncology ASM, Chicago, USA
Poster presentation	Lassman AB, van den Bent M, Gan HK, Reardon D, Kumthekar P, Butowski N, Lwin Z , Mikkelsen T, Nabors LB, Papadopoulos KP, Penas-Prado M, Simes J, Wheeler H, Gomez E, Lee H, Roberts-Rapp L, Xiong H, Bain E, Maag D, Merrell R. Efficacy analysis of ABT-414 +/- Temozolomide in EGFR-amplified, recurrent glioblastoma from a multicentre, international Phase I clinical trial. Best of ASCO, Singapore Oncology Society ASM, Singapore
Poster presentation	Mollee P, Okano S, Looke D Kennedy G, Harper J, Clouston J, Van Kuilenburg R, Geary A, Joubert W, Eastgate M , Jones M. Catheter-Associated Bloodstream Infections (CA-BSI) In Adults With Cancer: A Prospective Randomised Controlled Trial. American Haematological society. Atlanta 9-12 Dec 2017

RADIATION ONCOLOGY

The culture of inter-disciplinary collaboration and technology advancing research remains strong for the department of radiation oncology in 2017. The regular Research Core Group meeting helps guide the interests and co-ordinate medical, radiation therapist, physics and nursing streams. We focus on equipping ourselves as the tertiary/quaternary referral hub. We provide outreach visits to Redcliffe, Caboolture areas and to Central Queensland.

Physics and radiation therapy lead most of the investigator-initiated technical studies and higher degree supervision. There are also collaborations with national and international trial groups, including the Australian and New Zealand Urological and Prostate trials group, Tran-Tasman Radiation Oncology Group, Australian Lung Trial Group, and EORTC. We have been active in patient accruals with registering the first patients nationally for a number of trials including NIVORAD, Nimoral and CORE.

Our team has also now been successful in securing grants to proceed with studies through the Herston Imaging and Research Facility. Some of these are combined trials with chemotherapy and immunotherapy and we have had a number of successful publications and presentations.

The aim and focus of the Radiation Oncology Research group is to promote, support and drive innovation, promote quality initiatives and ensure quality improvement projects deliver evidence-based practice, to ensure safe treatment delivery. With new and emerging technologies rapidly being assimilated into daily practice, the focus of research outcomes is to deliver precision radiotherapy in a safe, efficient and cost-effective manner. Deep Inspiration Breath Hold (DIBH), Stereotactic Body Radiation Therapy (SBRT) and Catalyst Body Surface Scanning system have been implemented in our department. Quality assurance and research into these new technologies are vital to ensure quality treatments are provided to our patients.

We have also been very proud of Adjunct Professor Liz Kenny's appointment as an Officer of the Order of Australia (AO) for distinguished service to medicine as a clinician and researcher in the field of radiation oncology, and to executive roles with professional organisations nationally and internationally.

State-wide Radiation Therapist Research Fellow, Catriona Hargrave continued to be a valuable resource in supporting collaborative research projects and supporting quality improvement projects locally.

We look forward to 2018 in continuing our model of research and where we hope to implement through selected treatment site groups where we will collect prospective treatment information to investigate a model based evidence of approach in Radiation Treatments.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Abdullah Marzouq B Alharbi	Masters, QUT (2017)	Developing patient specific quality assurance for spine SABR plans.	Steven Sylvander, Kirby Francis, Scott Crowe
Diana Binny	PhD, QUT (2015-2021)	Optimizing patient plan deliveries by characterizing treatment planning systems in radiotherapy.	Scott Crowe, Tanya Kairn, Jamie Trapp
Orrie Dancewicz	PhD, QUT (2014-2018)	Development and verification of a novel 3D dosimetry technique for tomotherapy.	Scott Crowe, Jamie Trapp, Tim Markwell
David Garrott	Masters, QUT (2017)	Monte Carlo modelling of electron beam output for irregular cut-outs.	Liting Yu, Alexander Livingstone, Scott Crowe

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Jemma Devereaux	Masters, QUT (2017)	DIBH-BEST (Deep Inspiration Breath Hold-Breath-Hold Endurance Spirometer Trial)	Lisa Nissin, Cathy Hargrave, Julie Burberry, Gregory Rattray
Dr Timothy Liu	MPhil	Oral Squamous Cell Carcinoma with intermediate risk factors	Martin Batstone, Benjamin Chua
Dylan McGrath	Masters, QUT (2017)	Commissioning of the Varian Portal Dosimetry (VPD) QA solution	Liting Yu, Kirby Francis, Scott Crowe
Candice Milewski	Masters, Université Paris-Saclay (2017)	Effect of skin colour on optical surface monitoring of radiotherapy patients.	Samuel Peet, Craig Lancaster, Steven Sylvander, Scott Crowe, Tanya Kairn
Johnny Morales	PhD, QUT (2011-2017)	Independent Monte Carlo analysis for stereotactic radiosurgery treatments.	Scott Crowe , Jamie Trapp
Samuel Peet	PhD, QUT (2016-2020)	Out-of-field dose in contemporary radiation therapy.	Scott Crowe, Tanya Kairn , Jamie Trapp
Sheldon Uprichard	Masters, QUT (2017)	Acuros XB dose calculations for lung SABR dose treatments.	Scott Crowe, Kirby Francis , Nigel Middlebrook
Yongqian Yin	Masters, QUT (2017)	Investigation of interplay in IMRT treatments for breast cancer	Scott Crowe, Steven Sylvander , Tanya Kairn
James Rijken	PhD, QUT (2017-2023)	Dosimetric accuracy for SABR spine radiotherapy treatments.	Scott Crowe, Tanya Kairn , Jamie Trapp, Konstantin Momot
Liting Yu	PhD, QUT (2017-2023)	Developing new methods of dose evaluation for VMAT patient specific plans.	Scott Crowe , Jamie Trapp, Tanya Kairn , Christian Langton
Emma Whittle	MSc, QUT (2017-2018)	Measurement of tissue-phantom ratios in small radiotherapy fields	Scott Crowe, Tanya Kairn , Shadi Khoei, Emma Spelleken
Georgia Brown	MSc, QUT (2017-2018)	Dosimetric impact of gating of modulated breast radiotherapy using an optical surface monitoring system	Scott Crowe, Tanya Kairn, Steven Sylvander
Naasiha Cassim	MSc, QUT (2017-2018)	Dosimetric plan quality for treatments of multiple brain metastases	Scott Crowe, Tanya Kairn , Mark West, Yurissa Ikeda

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Scott Crowe	Adjunct Associate Professor	School of Chemistry, Physics & Mechanical Engineering	QUT (2015 - current)
Allison Dry	RT R&D Co-ordinator	Radiation Therapy	
Jennifer Edmunds		Radiation Therapy	
Catriona Hargrave	State-wide RT Research Fellow	Radiation Oncology	
Tanya Kairn	Adjunct Associate Professor	School of Chemistry, Physics & Mechanical Engineering	QUT (2013 - current)

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Jacqui Keller		Radiation Oncology	
Trang Le		Radiation Oncology	
Rob McDowall		Radiation Oncology / Radiation Therapy	
Charmaine Micklewright		Radiation Oncology	
Michelle Ralston		Radiation Oncology / Radiation Therapy	
Lee Tripcony		Radiation Oncology / Statistics	
Christopher Walsh	RT R&D Co-ordinator	Radiation Therapy	

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Diana Binny	Scott Crowe Craig Lancaster Tanya Kairn Jamie Trapp (QUT) Emilio Mezzenga (IRST-IRCCS, Italy)	Improving quality assurance practices for TomoTherapy
Rae Blades / Ray Chan		A cost-effectiveness analysis of a silicone gel (StrataXRT®) for prophylaxis and management of Radiation Induced Skin Injury (RISI) in head and neck cancer patients.
Jemma Blyth, Jemma Devereaux, Michelle Grogan, Sanna Nilsson,	Alica Grigg	Deep inspiration breath hold for breast radiotherapy
Dr Philip Chan	Dr Paul Thomas (HIRF) Dr Robyn Cheuk Dr Michelle Grogan Dr Graeme Dickie	Prognostic Value of Assessing Hypoxia in Tumours Using 18FMISO PET During a Course of Radiation Therapy – Proof of Concept Study
Dr Ben Chua	Dr Zarnie Lwin (CCS) Dr Bryan Day (QIMR)	Using molecular-guided PET/MRI imaging to target hypoxia in glioblastoma: A preclinical study to identify novel pathways and define molecular signatures associated with hypoxia and poor patient outcome
Scott Crowe	Kirby Francis Tanya Kairn Emma Spelleken (Genesis Care)	Improving practices surrounding the use of dosimetric film in radiation therapy
Scott Crowe	Rob McDowall Daniel Bryant Crispen Chamunyonga (QUT) Catriona Hargrave (QUT)	Automating aspects of peer review of radiotherapy treatment plans
Dr Maciej Debowski	Catherine Bettington	MRI Imaging after RT - best time to scan post RT to maximise resource usage
Dr Maciej Debowski	Liz Kenny	Eye speculum case study
Jemma Devereaux	Jemma Blyth, Elena Blyth, Gregory Rattray, Catriona Hargrave, Lisa Nissin, Julie Burbery	DIBH-BEST (Deep Inspiration Breath Hold- Breath Hold Endurance Spirometer Trial)

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Alice Grigg, Jemma Devereaux	Isabelle McIvor, Allison Dry, Catriona Hargrave	Retrospective evaluation of cardiac reduction between free-breathing (FB) and deep inspiration breath-hold (DIBH) radiation therapy for left-sided breast cancer patients
Dr Lindy Jeffree (RBWH)	Dr Michael Fay (NMH) Jennifer Martin (UON) Dr Paul Thomas (HIRF) Stephen Rose (CSIRO) Nicholas Dowson (CSIRO)	Evaluation of the role of valproate in the treatment of high grade glioma
Liz Kenny	Andrew Fielding (QUT)	PET/CT and PET/MRI for radiation treatment planning in patients with head and neck cancer undergoing definitive radiation or chemoradiation treatment
Liz Kenny	Sarju Vasani (RBWH)	A Pilot Study of CXCR4 PET for nodal staging of resectable mucosal head and neck Squamous cell carcinoma (HNSCC), including correlation with histopathology immunohistochemistry, sputum and Circulating Tumour Cells
Van Le	Anthony Pagidas, Adrian Celati, Jemma Blyth, Dr. Michelle Grogan, Allison Dry, Catriona Hargrave	Retrospective Evaluation of breast seroma changes during radiation therapy & the dosimetric benefits of performing a repeat CT scan
Charles Lin	Ben Chua, Liz Kenny, Michelle Nottage, Brett Hughes, Michele Teng, Paul Thomas	A prospective study investigating the efficacy and toxicity of definitive chemo-radiation and immunotherapy (CRIO) in locally and / or regionally advanced cutaneous squamous cell carcinoma
Alexander Livingstone	Darren Cassidy Kirby Francis	Developing a Monte Carlo quality assurance check system for radiotherapy
Candice Milewski	Scott Crowe Rachael Wilks Tanya Kairn	Evaluation of metal artefact reduction algorithms for radiotherapy
Anthony Pagidas, Adrian Celati	Van Le, Jemma Blyth, Michelle Grogan, Allison Dry, Catriona Hargrave	Retrospective Evaluation of breast seroma changes during radiation therapy and the dosimetric benefits of performing a repeat CT scan
Samuel Peet	Candice Milewski	Introducing an optical surface monitoring system into the clinic
Samuel Peet	Steven Sylvander Jemma Blyth	Introducing augmented and virtual reality systems into the clinic
Kate Stewart	Tsz-Wun Pinky Tiu Vickie Lightfoot, Catriona Hargrave	Comparison of Deformable and Rigid Image Registration of PETCT for Head and Neck patients in the MIM Maestro System.
Kate Stewart (PI), Tsz-Wun Pinky Tiu	Rob McDowall, Vickie Lightfoot, Catriona Hargrave	Retrospective Evaluation of Image Registration & contouring tools for PET images in MIM

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Steven Sylvander	Scott Crowe Kirby Francis Orrie Dancewicz (Nuc. Med) Tanya Kairn Timothy Markwell (Mater Centre) Jamie Trapp (QUT)	Applications of 3D printing in radiation oncology medical physics
Litig Yu	Scott Crowe Tanya Kairn Kirby Francis	Novel quality assurance metrics for radiotherapy dose verification measurements

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Jamie Trapp (QUT)	Scott Crowe Tanya Kairn	Development of three-dimensional gel dosimetry solutions for radiation therapy
Jamie Trapp (QUT)	Scott Crowe Tanya Kairn	Investigation of issues surrounding small field dosimetry in radiation therapy
Jamie Trapp (QUT)	Scott Crowe Tanya Kairn	Evaluating dosimetry near non-water equivalent implants and prostheses
Vincent Grégoire (EORTC)	Liz Kenny	NIMORAL - TROG 14.03 (1219-ROG-HNCG) A blind randomized multicenter study of accelerated fractionated chemo-radiotherapy with or without the hypoxic cell radiosensitizer nimorazole (Nimoral), using a 15 gene signature for hypoxia in the treatment of squamous cell carcinoma of the head and neck
Danny Rischin (PMCC)	Liz Kenny	HPV - TROG 12.01 A randomised trial of Weekly Cetuximab And Radiation Versus Weekly Cisplatin and Radiation in Good Prognosis Locoregionally Advanced HPV-Associated Oropharyngeal Squamous Cell Carcinoma
Chamindie Punyadeera (QUT)	Liz Kenny	SPIT Study A simple saliva test to diagnose head and neck cancer at an early stage - head and neck cancer detection is a spitting distance away
Prof Rajiv Khanna (QIMR)	Liz Kenny	P2191 Development of an Adoptive T Cell Therapy for HPV-Associated Malignancies
Chamindie Punyadeera (QUT)	Liz Kenny	JNJ Saliva Study Developing an Oral Rinse Method to Detect Human Papillomavirus
David Pryor	Charles Lin	TROG 16.03: A multi stage multi centre international randomised trial of Conventional care Or Radioablation (stereotactic body radiotherapy) for Extra-cranial oligometastatic disease in lung, breast and prostate cancer (CORE)
Shankar Siva	Charles Lin	TROG 15.03 Focal Ablative STereotactic RADiosurgery for Cancers of the Kidney - A Phase II Clinical Trial (FASTRACK II)

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Shankar Siva	Catherine Bettington	TROG 13.01 Stereotactic Ablative Fractionated Radiotherapy versus Radiosurgery for Oligometastatic Neoplasia to the Lung: A Randomised Phase II Trial (SAFRON II)
Scott Williams and Paul Nguyen (NHMRC)	Philip Chan	ENZARAD Randomised phase 3 trial of enzalutamide in androgen deprivation therapy with radiation therapy for high risk, clinically localised, prostate cancer
Kumar Gogna (RO Mater)	Catherine Bettington	SPLIT COURSE A single arm, prospective Phase II study of Split-Course Pelvic Radiotherapy for Locally Progressive, Castrate Resistant Prostate Cancer
Margot Lehman (PAH)	Philip Chan	P LUNG - TROG 11.03 A randomised phase III trial of High Dose Palliative Radiotherapy (HDPRT) versus concurrent Chemotherapy HDPRT (C-HDPRT) in patients with good performance status, locally advanced / small volume metastatic NSCLC not suitable for radical chemo-radiotherapy
Christine Paul (UON)	Philip Chan	OPAL A randomised controlled trial of online versus telephone-based information and support: Can electronic platforms deliver effective care for lung cancer patients?"
Gianluca Severi (Cancer Council Victoria)	Lindy Jeffree (CCS DRO)	AGOG Australian Genomics and Clinical Outcome of Glioma – Epidemiology Study
Gerald B. Fogarty (ANZMTG)	Roger Allison	WBRT - ANZMTG 01/07 TROG 08.05 Whole Brain Radiotherapy following local treatment of intracranial metastases of melanoma- A randomised phase III trial
Karen Lim (Liverpool Cancer Therapy Centre)	Philip Chan	GYNAE MRI Developing methods to allow adaptive radiotherapy for gynaecological cancers with MRI (cervix)
Peter Graham (SGH)	Robyn Cheuk	STARS - TROG 08.06 A randomised comparison of anastrozole commenced before and continued during adjuvant radiotherapy for breast cancer versus anastrozole and subsequent anti-oestrogen therapy delayed until after radiotherapy. (STARS - Study of Anastrozole and Radiotherapy Sequencing)
Boon Chua (PMCC)	Liz Kenny	DCIS - TROG 07.01 A randomised phase III study of radiation doses and fractionation schedules in non-low risk ductal carcinoma in situ (DCIS) of the breast
Michael Mac Manus (PMCC)	Gary Pratt	MZL - TROG 05.02 A prospective single arm trial of involved field radiotherapy alone for stage I-II low grade non-gastric marginal zone lymphoma.
L. Mileskin (PMCC)	Robyn Cheuk	PORTEC - 3 - TROG 08.04 ANZGOG A Randomised phase III trial comparing concurrent chemoradiation and adjuvant chemotherapy with pelvic radiation alone in high risk and advanced stage endometrial carcinoma.
Jim Denham (NMH)	Liz Kenny	RADAR - TROG 03.04 A Randomised Trial Investigating the Effect on Biochemical (PSA) Control and Survival of Different Durations of Adjuvant Androgen Deprivation in Association with Definitive Radiation Treatment for Localised Carcinoma of the Prostate

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Maria Pearce (Auckland City Hospital)	Charles Lin	RAVES - TROG 08.03 Radiotherapy Adjuvant versus Early Salvage. A phase III multi-centre randomised trial comparing adjuvant radiotherapy (RT) with early salvage RT in patients with positive margins or extraprostatic disease following radical prostatectomy
Michael Poulsen (RO Mater)	Graeme Dickie	MP3 - TROG 09.03 A Phase II Efficacy Study of Chemo-radiotherapy in PET Stage II and III Merkel Cell Carcinoma of the Skin
Gail Ryan (PMCC)	Roger Allison	TROG 06.01 Primary chemotherapy with Temozolomide vs. Radiotherapy in patient's with Low Grade Gliomas after stratification for genetic 1P loss: A phase III Study.
Sandro Porceddu (PAH)	Liz Kenny	POST - TROG 05.01 Post-operative concurrent chemo-radiotherapy versus post-operative radiotherapy in high-risk cutaneous squamous cell carcinoma of the head and neck
Cooperative Trials Group for Neuro-oncology	Zarnie Lwin, (CCS) Phillip Chan	VERTU - Veliparib, Radiotherapy and Temozolomide trial in Unmethylated MGMT Glioblastoma: A Randomised Phase II study of veliparib + radiotherapy (RT) with adjuvant temozolomide (TMZ) + veliparib versus standard RT + TMZ followed by TMZ in newly diagnosed glioblastoma (GBM) with unmethylated O (6)-methylguanine-DNA methyltransferase
Australasian Lung Cancer Trials Group	Brett Hughes (CCS), Phillip Chan	NIVORAD - A randomised phase 2 trial of nivolumab and stereotactic ablative body radiotherapy in advanced non-small cell lung cancer, progressing after first or second line chemotherapy.

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Adj Prof Lizbeth Kenny	Officer of the Order of Australia (AO)	Distinguished service to medicine as a clinician and researcher in the field of radiation oncology, and to executive roles with professional organisations nationally and internationally.

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Liz Kenny	CCS DRO	MIM Maestro Deformable Registration. Deformable registration software allows for elastic accurate registration of PET/CT, contrast CT, CBCT/MVCT, MRI dose and contour objects onto radiation treatment planning CT scans to facilitate accurate delineation of the volume of cancer requiring radiation treatment along with dose accumulation for adaptive treatment or instances of recurrence	NTFEP	\$473,000	\$473 000 (2015-2017)
Charles Lin	CCS DRO	A prospective study investigating the efficacy and toxicity of definitive chemoradiotherapy and immunotherapy (CRIO) in locally and / or regionally advanced cutaneous squamous cell carcinoma	Astra Zeneca		\$211 000.15 (2017-2021)
Marina Reeves, Sandra Hayes, Wendy Denmark- Wahnefried, Jennifer Muller, Elizabeth Eakin, Liz Kenny , Catherine Shannon	CCS DRO	Optimising Survivorship: a pilot study evaluating the feasibility, safety and preliminary efficacy of an exercise and dietary intervention for women with metastatic breast cancer	National Breast Cancer Foundation	\$99 918	\$197 179 (2017-2018)
Chamindie Punyadeera, Liz Kenny , Ken O'Byrne, Erik Thompson, Steve Mattarollo, Arutha Kulasinghe.	CCS DRO	Circulating Tumour Cells As Biomarkers To Identify Head and Neck Cancer Patients For PD1 Therapy	Translational Research Unit (TRI) Spore Grant	\$80 000	\$80 000 (2017)
Graeme Dickie	CCS DRO	QCOG Cancer Clinical Trial Data Manager Grant	Queensland Clinical Oncology Group	\$78 500	\$78 500 (2017)
Steven Sylvander	CCS DRO (Medical Physics)	Catalyst optical surface monitoring system	New Technology Grant	\$72 000	\$72 000 (2017)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Benjamin Chua , Bryan Day, Stephen Rose, Paul Thomas , Lindy Jeffree , Yi- Chieh Lim, Po-ling Inglis , Zarnie Lwin , Jacqui Keller	Radiation Oncology	Using molecular- guided PET/MRI Using molecular-guided PET/ MRI imaging to target hypoxia in glioblastoma: A preclinical study to identify novel pathways and define molecular signatures associated with hypoxia and poor patient outcome	HIRF seed research funding	\$66,498	\$66,498 (2017)
Lizbeth Kenny	Radiation Oncology	CXCR4 PET for nodal staging of resectable mucosal head and neck squamous cell carcinoma (HNSCC)	HIRF seed research funding	\$56,017.50	\$56,017.50 (2017)
Lizbeth Kenny	Radiation Oncology	Unless contraindicated, all patients receiving radical head and neck cancer chemoradiation at RBWH undergo a FDG PET CT and FDG PET MRI for fusion to planning CT scans. This has the potential to help determine acquisition algorithms for head and neck PET MRI. This would then also be of value to the PET MRI team at PAH and of commercial importance to our industry partner	HIRF seed research funding	\$35,090	\$35,090 (2017)
Samuel Peet	CCS DRO (Medical Physics)	Out-of-field dose in contemporary radiation therapy	RBWH Foundation	\$33 884	\$33884 (2017)
Kate Stewart	CCS RT	MIM Maestro ART Commissioning and Training	RBWH Foundation & CCS Fundraising Committee	\$3 762 \$3 762	\$ 6840.00 (Q4 2017)
Jennifer Edmunds	CCS DRO	ANZUP Trial Co-ordinator Scholarship	AUZUP	\$550	\$550

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Book chapter	Kairn T. Application of Radiochromic Film to IMRT and VMAT Dosimetry. Radiochromic Film: Role and Applications in Radiation Dosimetry, CRC Press, Boca Raton, USA, 2017

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Book chapter	Kairn T , Lehmann J, Crowe S , Lye JE, Alvarez P, Followill D, Kron T. Postal and clinical trial dosimetry. Radiochromic Film: Role and Applications in Radiation Dosimetry, CRC Press, Boca Raton, USA, 2017
Invited editorial	Crowe S , Kairn T . Medical physics publishing in a changing research environment: The Australasian Physical & Engineering Sciences in Medicine 40th anniversary editorial. Australas PhysEng SciMed. 2017 Nov;40(4):771-776. doi:10.1007/s13246-017-0602-y
Journal article	Aland T, Jhala E, Kairn T , Trapp J. Film dosimetry using a smart device camera: a feasibility study for point dose measurements. Physics in Medicine and Biology 2017 Oct 3;;62(20): N506-N515
Journal article	Asena A, Smith ST, Kairn T, Crowe SB , Franich RD, Trapp JV. Reduction of artefacts caused by missing ray-sum data in optical-CT imaging of implants in gel dosimeters. J Phys Conf Ser. 2017 June 5;847:012070. doi: 10.1088/1742-6596/847/1/012070
Journal article	Asena A, Smith ST, Kairn T, Crowe SB , Hosokawa K, Sylvander SR , Trapp JV. Dose distributions in the vicinity of high-density implants using 3D gel dosimeters. Med Phys. 2017 April 12;44(4):1545-1551. doi: 10.1002/mp.12108
Journal article	Binny D , Lancaster CM , Trapp JV , Crowe SB . Statistical process control and verifying positional accuracy of a cobra motion couch using step-wedge quality assurance tool. J App Clin Med Phys 2017 Sep; 18(5):70-79. doi: 10.1002/acm2.12136 Epub 2017 Jul 21
Journal article	Binny D , Mezzenga E, Lancaster CM , Trapp JV, Kairn T, Crowe SB . Investigating output and energy variations and their relationship to delivery QA results using Statistical Process Control for helical tomotherapy. Phys Medica. 2017 June;38:105-110. doi: 10.1016/j.ejmp.2017.05.052
Journal article	Brown T, Banks M, Hughes BGM, Lin C , Kenny LM , Bauer JD. Impact of early prophylactic feeding on long term tube dependency outcomes in patients with head and neck cancer. Oral Oncol. 2017 Sep;72:17-25. doi: 10.1016/j.oraloncology.2017.06.025. Epub 2017 Jul 5.
Journal article	Brown TE, Banks MD, Hughes BGM, Lin CY , Kenny LM , Bauer JD. Randomised controlled trial of early prophylactic feeding vs standard care in patients with head and neck cancer. Br J Cancer. 2017 Jun 27;117(1):15-24 Epub 2017 May 23. doi: 10.1038/bjc.2017.138
Journal article	Brown T, Banks M, Hughes BGM, Lin C , Kenny LM , Bauer JD. Tube feeding during treatment for head and neck cancer - Adherence and patient reported barriers. Oral Oncol. 2017 Sep;72:140-149. doi: 10.1016/j.oraloncology.2017.07.017. Epub 2017 Jul 25.
Journal article	Brown TE, Wittholz K, Way M, Banks MD, Hughes BG, Lin CY , Kenny LM , Bauer JD. Investigation of p16 status, chemotherapy regimen, and other nutrition markers for predicting gastrostomy in patients with head and neck cancer. Head Neck. 2017 May;39(5):868-875. doi: 10.1002/hed.24630
Journal article	Burns CL, Kularatna S, Ward EC, Hill AJ, Byrnes J, Kenny LM . Cost analysis of a speech pathology synchronous telepractice service for patients with head and neck cancer. Head Neck. 2017 Dec;39(12):2470-2480. Epub 2017 Sep 30 doi: 10.1002/hed.24916.
Journal article	Burns CL, Ward EC, Hill AJ, Kularatna S, Byrnes J, Kenny LM . A randomised controlled trial of a multi-site speech pathology telepractice service providing swallowing and communication intervention to patients with head and neck cancer: An evaluation of service outcomes. Head and Neck, 2017 May;39(5):932-939. Epub 2017 Feb 22 doi:10.1002/hed.24706
Journal article	Chamunyonga C, Crowe S , Burberry J. Review of the clinical benefits and implementation of peer review of treatment plans in undergraduate medical dosimetry and radiation therapy training. J Radiother Pract. 2017;March 16(1):85-91. doi: 10.1017/S1460396916000522
Journal article	Collins A, Burns CL, Ward EC, Comans T, Blake C, Kenny L , Greenup P, Best D. Home-based telehealth service for swallowing and nutrition management following head and neck cancer treatment. J Telemed Telecare. 2017 Dec;23(10):866-872.
Journal article	Dancewicz OL , Sylvander SR , Markwell TS, Crowe SB , Trapp JV. Radiological properties of 3D printed materials in kilovoltage and megavoltage photon beams. Phys Med. 2017 June;38:111-118. doi: 10.1016/j.ejmp.2017.05.051. Epub 2017 May 26

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Gorayski P, Tripcony L , Poulsen M. Chemotherapy compliance in high-risk Merkel cell carcinoma treated with chemoradiotherapy. <i>Australas J Dermatol</i> . 2017 Feb;58(1):35-41. Epub 2015 Dec 1
Journal article	Hughes BG, Ahern E, Lehman M, Pratt G , Dauth M, Pritchard W, Wockner L, Horwood K. Concurrent chemoradiation with cisplatin and vinorelbine followed by consolidation with oral vinorelbine in locally advanced non-small cell lung cancer (NSCLC): the phase II CONCAVE study. <i>Asia Pac J Clin Oncol</i> . 2017 Jun;13(3):137-144. Epub 2017 Feb 9
Journal article	Kairn T , Asena A, Crowe SB , Livingstone A , Papworth D, Smith S, Sutherland B, Sylvander S , Franich RD, Trapp JV. Can a commercial gel dosimetry system be used to verify stereotactic spinal radiotherapy treatment dose distributions? <i>J Phys Conf Ser</i> . 2017 June 5;847:012071. doi: 10.1088/1742-6596/847/1/012071
Journal article	Kenny LM , Orsi F, Adam A. Interventional radiology in breast cancer. <i>Breast</i> . 2017 Oct;35:98-103. doi: 10.1016/j.breast.2017.06.012. Epub 2017 Jul 10
Journal article	Kulasinghe A, Kenny L , Punyadeera C. Circulating tumour cell PD-L1 test for head and neck cancers. <i>Oral Oncol</i> . 2017 Dec; 75:6-7. doi: 10.1016/j.oraloncology.2017.10.011. Epub 2017 Oct 19.
Journal article	Kulasinghe A, Perry C, Kenny L , Warkiani ME, Nelson C, Punyadeera C. PD-L1 expressing circulating tumour cells in head and neck cancers. <i>BMC Cancer</i> . 2017 May 16;17(1):333. doi: 10.1186/s12885-017-3316-3.
Journal article	Kulasinghe A, Tran THP, Blick T, O'Byrne K, Thompson EW, Warkiani ME, Nelson C, Kenny L , Punyadeera C. Enrichment of circulating head and neck tumour cells using spiral microfluidic technology. <i>Sci Rep</i> . 2017 Feb 15;7:42517. doi:10.1038/srep42517
Journal article	Moroney LB, Helios J, Ward EC, Crombie J, Wockner LF, Burns CL, Spurgin AL, Blake C, Kenny L, Hughes BG. Patterns of dysphagia and acute toxicities in patients with head and neck cancer undergoing helical IMRT±concurrent chemotherapy. <i>Oral Oncol</i> . 2017 Jan;64:1-8 doi: 10.1016/j.oraloncology.2016.11.009. Epub 2016 Nov 25.
Journal article	Nabankema SK, Jafari SM, Peet SC , Binny D , Sylvander SR , Crowe SB . Wearable glass beads for in vivo dosimetry of total skin electron irradiation treatments. <i>Radiat Phys and Chem</i> 2017 Nov;140: 314-318, doi: 10.1016/j.radphyschem.2016.12.013
Journal article	Nottage MK, Lin C, Hughes BG, Kenny L , Smith DD, Houston K, Francesconi A. Prospective study of definitive chemoradiation in locally or regionally advanced squamous cell carcinoma of the skin. <i>Head Neck</i> . 2017 Apr;39(4):679-683 doi: 10.1002/hed.24662. Epub 2016 Dec 29
Journal article	Perrett B , Charles P , Markwell T , Kairn T , Crowe SB . Feasibility of 3D printed air slab diode caps for small field dosimetry. <i>Australas Phys Eng Sci Med</i> . 2017 Sep; 40(3): 631-642. doi: 10.1007/s13246-017-0570-2 Epub 2017 Jul 31.
Journal article	Tang KD, Kenny L , Perry C, Frazer I, Punyadeera C. The overexpression of salivary cytokeratins as potential diagnostic biomarkers in head and neck squamous cell carcinomas. <i>Oncotarget</i> . 2017 Jul 31;8(42):72272-72280. doi: 10.18632/oncotarget.19731. eCollection 2017 Sep 22
Journal article	Vinod SK, Lim K, Bell L, Veera J, Ohanessian L, Juresic E, Borok N, Chan P , Chee R, Do V, Govindarajulu G, Sridharan S, Johnson C, Moses D, Van Dyk S, Holloway L. High-risk CTV delineation for cervix brachytherapy: Application of GEC-ESTRO guidelines in Australia and New Zealand. <i>J Med Imaging Radiat Oncol</i> . 2017 Feb;61(1):133-140. doi: 10.1111/1754-9485.12509. Epub 2016 Aug 16
Journal article	Wan Y, Vagenas D, Salazar C, Kenny L , Perry C, Calvopiña D, Punyadeera C. Salivary miRNA panel to detect HPV-positive and HPV-negative head and neck cancer patients. <i>Oncotarget</i> . 2017 Oct 10;8(59):99990-100001 doi: 10.18632/oncotarget.21725. eCollection 2017 Nov 21.
Journal article	Zolfaghari S , Francis KE , Kairn T, Crowe SB . Commissioning a hobby cutting device for radiochromic film preparation. <i>Australas Phys Eng Sci Med</i> . 2017 Jun 40(2):449-453. doi: 10.1007/s13246-017-0545-3. Epub 2017 Mar 30

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited	Chan P. Survivorship. Cancer Care Services Research Retreat, November 2017. Brisbane, Australia.
Invited	Chan P. Update on departmental investigator driven trials throughout the last year. Cancer Care Services Research Retreat, November 2017. Brisbane, Australia.
Invited	Cheuk R. Paediatric Hodgkins Lymphoma. Paediatric Radiation Oncology Teaching Course. Sydney, Australia, March 2017
Invited	Chua B. NEURONE Discussant. TROG ASM. TROG ASM. Auckland New Zealand. March 2017
Invited	Chua B. OUTRUN Discussant. TROG ASM. TROG ASM. Auckland New Zealand. March 2017
Invited	Dickie G. Brachytherapy for cervix carcinoma. Australian Brachytherapy Group annual scientific meeting. Melbourne, Australia, 23-25 Feb 2017
Invited	Kenny L. Cancer Strategy Workshop – “Cancer Control Policy and Delivery”. Ministry of Health, Cyprus. September 2017
Invited	Kenny L. Indications and limits of SBRT. European Conference on Interventional Oncology. Bilbao, Spain 22-25 April 2017
Invited	Kenny L. Quality assurance: an essential development. European Congress of Radiology. Vienna, Austria. Feb 2017
Invited	Kenny L. SABR for lung metastases – Current status and limitations. Cardiovascular and Interventional Radiological Society of Europe Annual Congress, Copenhagen, Denmark. September 2017
Invited	Kenny L. SBRT – current status and evidence. European Conference on Interventional Oncology. Bilbao, Spain 22-25 April 2017
Invited	Kenny L. The Joy of Research. ANZUP ASM. Melbourne. July 2017 *
Invited	Kenny L. The world of Interventional Oncology. ASMIRT Sunshine Coast Weekend Seminar: Qld RT Weekend meets Country AIR. 3-5th Nov. 2017
Invited	Kenny L, Bransdon M. Standards, Governance and ICT: the holy trinity for systemic therapies? COSA Annual Scientific Meeting, 13 Nov 2017. Sydney, Australia.
Oral	Cannon J. Mid-ventilation vs maximum intensity projection: Retrospective comparison of 4DCT reconstructions for lung SABR treatment planning ASMMIRT 2017 March 2017
Oral	Chan P. Is more with less and less better? RBWH Symposium. Brisbane, Australia, 12/9/2017
Oral	Crowe SB. Reporting on outcomes of regular medical physics journal club meetings, Engineering and Physical Sciences in Medicine, Hobart, Australia, 2017
Oral	Crowe SB, Sylvander SR, Kairn T. Art and science: fluorescence dosimetry using household materials. Engineering and Physical Sciences in Medicine, Hobart, Australia, 2017
Oral	Debowski M, Chua B, Bettington C. Assessing the utilization and significance of early MRI after chemoradiotherapy for glioblastoma: are we scanning too soon after treatment? (RANZCR) 68th Annual Scientific Meeting to be held 19 - 22 October 2017 at Crown Perth, Western Australia.
Oral	Devereaux J. Inspiring Spirometry – The Royal DIBH experience. ASMIRT Sunshine Coast Weekend Seminar: Qld RT Weekend meets Country AIR. 3-5th Nov. 2017
Oral	Lathouras, M. Dose Accumulation for Multiple Treatment Plans. ASMIRT Sunshine Coast Weekend Seminar: Qld RT Weekend meets Country AIR. 3-5th Nov. 2017
Oral	Livingstone AG, Clinical implementation of an automated Monte Carlo dose verification system. Engineering and Physical Sciences in Medicine, Hobart, Australia, 2017
Oral	Milewski C, Wilks R, Kairn T, Crowe SB, “Evaluation of metal artefact reduction algorithms in radiotherapy treatments“, Engineering and Physical Sciences in Medicine, Hobart, Australia, 2017
Oral	Outhwaite J. Stereotactic Ablative Body Radiation Therapy (SABR) for the treatment of lung cancer: initial experience at Royal Brisbane and Women's Hospital. ASMIRT Sunshine Coast Weekend Seminar: Qld RT Weekend meets Country AIR. 3-5th Nov. 2017
Oral	Outhwaite J-A. Stereotactic radiotherapy. RBWH Symposium. Brisbane, Australia, 12/9/2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Pagidas A. Retrospective examination of changes in breast seromas in the treatment of breast cancer following breast conserving surgery. ASMIRT Sunshine Coast Weekend Seminar: Qld RT Weekend meets Country AIR. 3-5th Nov. 2017
Oral	Porceddu S, Poulsen M, Bressel M, Stoneley A, Veness M, Kenny LM , Wratten C, Corry J, Cooper S, Fogarty G, Collins M, Collins M, Macann A, Milross C, Penniment MG, Panizza B, Rischin D. Post-operative concurrent chemo-radiotherapy versus post-operative radiotherapy in high-risk cutaneous squamous cell carcinoma of the head and neck: A randomized phase 3 trial (Trans Tasman Radiation Oncology Group 05.01 Trial; POST study). ASCO annual meeting June 2017, Chicago
Oral	Russell C. Retrospective evaluation of set-up errors for stereotactic brain radiotherapy, ASMMIRT 2017 March 2017
Oral	Shanker M, Chua B, Bettington C , Pinkham M. Sterotactic radiotherapy (SRT) re-irradiation in recurrent high grade gliomas. The Royal Australian and New Zealand College of Radiologists (RANZCR) 68th Annual Scientific Meeting to be held 19 - 22 October 2017 at Crown Perth, Western Australia.
Oral	Spelleken E, Crowe SB , Sutherland B, Challens C, Kairn T . Evaluation of published film dosimetry techniques. Engineering and Physical Sciences in Medicine, Hobart, Australia, 2017
Oral	Stewart K. The evolution of Image Registration at the RBWH using the MIM Maestro system. ASMIRT Sunshine Coast Weekend Seminar: Qld RT Weekend meets Country AIR. 3-5th Nov. 2017
Oral	Tang TLS, Livingstone A, Cassidy D, Crowe SB . Evaluating patient specific pre-treatment QA practices. Engineering and Physical Sciences in Medicine, Hobart, Australia, 2017
Oral	Tiu P. Comparison of Deformable and Rigid Image Registration of PETCT for Head and Neck patients in the MIM Maestro System. ASMIRT Sunshine Coast Weekend Seminar: Qld RT Weekend meets Country AIR. 3-5th Nov. 2017
Oral	Tiu P. Comparison of Deformable and Rigid Image Registration of PETCT for Head and Neck patients in the MIM Maestro System. ASMIRT CEC SPP Graduate Papers Seminar: Bryan Emmerson Room, Princess Alexandra Hospital. 18th November 2017
Oral	Vincent D. DIAMOND - Data shaken not stirred. RBWH Symposium. Brisbane, Australia, 14/9/2017
Oral	Yin A, Dawes J, Sylvander SR, Kairn T, Crowe SB . Interplay effect for IMRT treatments of breast cancer. Engineering and Physical Sciences in Medicine, Hobart, Australia, 2017
Oral	Zolfaghari S, Francis KE, Kairn T, Crowe SB , "Testing the performance of a ScanNCut cutting system for radiochromic film preparation", Engineering and Physical Sciences in Medicine, Hobart, Australia, 2017
Poster	Canard AC, Crowe SB, Sylvander SR, Peet S, Yu N . In-air 192Ir air kerma measurements using a jig constructed of affordable PVC piping", Engineering and Physical Sciences in Medicine. Hobart, Australia, 2017
Poster	Peet S, Milewski C, Sylvander SR , Catalyst HD: Commissioning of an Optical Surface Monitoring System. Engineering and Physical Sciences in Medicine, Hobart, Australia, 2017
Poster	Roberts N, Western R; Keller J; Cubitt A. Patient Understanding of Research in an Oncology Setting. RBWH Healthcare Symposium. Brisbane, Australia, September 2017

OTHER COMMUNICATIONS AND OUTPUTS:

Jemma Blyth: Multi-centre joint breast technique. Presentation 12th June 2017, Radiation Oncology Mater Centre

Rae Blades: Radiotherapy and Skin Management: Qld News and New Directions. Presentation 21 March 2017, Cancer Research Monthly forum, Royal Brisbane and Women's Hospital

Jemma Devereaux: 'Implementation of DIBH BEST: Cancer Care Services, Monthly Grand Rounds, Education Centre RBWH, 28th Feb. 2017

Jenna Luscombe, 'Retrospective Evaluation of the impact of variable bladder filling on target volume for patients with Gynaecological cancer treated with VMAT' Safety & Quality Grand Rounds, RBWH: 9th Feb.2017.

Sam Peet: Introducing an Optical Surface Monitoring System for Radiotherapy Patients. Presentation 16 May 2017, Cancer Research Monthly forum, Royal Brisbane and Women's Hospital

Scott Crowe: Fluorescence dosimetry using household materials. Presentation 29 September 2017, Australasian College of Physical Scientists and Engineers in Medicine Queensland Branch Symposium, Princess Alexandra Hospital

CRITICAL CARE AND CLINICAL SUPPORT SERVICES



CRITICAL CARE AND CLINICAL SUPPORT SERVICES



DR MARK MATTIUSSI
Executive Director Critical
Care and Clinical Support Services

*Our projects seek to
develop, refine and
direct the care for our
patients*

All world class health services have one thing in common - they recognise the vital importance of research as a critical cornerstone of clinical excellence and the RBWH Critical Care and Clinical Support Services team continue to embody this principle with enthusiasm and pride. 2017 has also seen the transfer of the state-wide Genetic Health Queensland team into our service line.

Our service line team collaborates locally, nationally and internationally to find and develop best practice solutions to the care we provide for our patients. Our projects seek to develop, refine and direct the care for our patients in addition to leading practice models for the future.

The 2017 Research Report showcases the depth and breadth of research and its integration into clinical care across the teams within our Service Line. Our team of clinicians and researchers are well published in peer review journals and text books within their speciality areas and beyond. They are nationally and internationally recognised for their work. In 2017 our team has focused on leading improvement in the areas of connected and coordinated care, medication management and in particular a focus on reductions in opioid prescribing, antibiotic stewardship and “Choosing Wisely” in the way our health care is delivered.

A focus on partnerships and collaboration has increased our capacity to participate in European research collaborations and other international partnerships.

The recognition of one of our own team members, Professor Lipman, as Metro North Researcher of the Year 2017 and his appointment as the RBWH Research Ambassador recognises the contribution that he and the team make to research and is a fabulous recognition and opportunity for Jeff, our Critical Care and Clinical Support Services and the RBWH.

EMERGENCY AND TRAUMA CENTRE

We celebrate the research activities across all of our service line teams and continue to invest the time, resource, enthusiasm and passion ensuring that Critical Care and Clinical Support Services plays its part in ensuring that RBWH continues to maintain its position as a world class health service.

The Emergency and Trauma Centre has had another fruitful year with 49 papers published and another 18 accepted for publication in peer-reviewed journals within our speciality as well as outside Emergency Medicine. Our highly productive investigators have drawn on their expertise in medical and nursing practice at the coalface and collaborated across specialities and institutions to make a difference to the patients that we all serve. Pragmatic and translational research is the highlight this year for a department that cares for over 70,000 patients per year. The Cannulation Rates in Emergency Department Intervention Trial (Hawkins et al.) has shown that an education and awareness campaign can reduce unnecessary peripherally inserted intravenous catheters by 10%. This reduces the risks of pain and infection for patients as well as healthcare costs. The Working Together to Connect Care study (Harcourt et al.) has revealed that a program partnering Emergency Department (ED) with primary and community healthcare sectors can improve the care and long-term outcomes of patients who frequently attend the ED. Ambulance usage, ED presentation, hospital bed days, as well as costs per Queensland Weighted Activity Unit are all reduced as a result. The ED Opioid Prescribing Intervention to Optimise Discharge study (Savage et al.) has demonstrated successful interventions to reduce opioid prescribing especially for patients discharged from the ED. The avoidance of opioids is in sync with the Choosing Wisely Australia campaign, for example, to not use opioids for the treatment of migraine. The Accelerated Chest Pain Risk Evaluation project has been successfully translated across Queensland Health. The two papers relating to this research (Parsonage et al., Cullen et al.) were selected by the editors of The Medical Journal of Australia in the list of top ten research articles published in 2017.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Julian Williams	PhD, QUT (2008-2017)	Identifying risk factors for MRSA	Jeffrey Lipman, Anthony Brown
Wahid Allahaibi	PhD, QUT (2015-2018)	A New Approach to Optimise Hospital Emergency and Inpatient Operations	Michael Cholette, Azharul Karim, John Burke
Kazi Ahsan	PhD, QUT (2014-2017)	Lean integrated optimisation model of emergency department for improved patient flow	Azharul Karim, Gerard Fitzgerald, Michael Cholette, John Burke , Doug Morel
Michael Chen	MEpi, UQ (2016-18)	Outcomes of patients with abdominal pain in the emergency department	Melinda Protani (UQ), Kevin Chu
Dylan Flaws	PhD, UQ (2012-2017)	Derivation of a diagnostic decision tree for the Acute Coronary Syndrome management pathway	Louise Cullen , Martin Than
Ariel Ho	MPhil, UQ (2016-2017)	Examination of Troponin Testing during Implementation and Post-Implementation of Accelerated Chest Pain Assessment Strategies: a Marker of Translational Research Success	Louise Cullen, Jaimi Greenslade
Daniel Lancini	PhD, UQ (2016-2020)	Atrial fibrillation in hospitalised patients	Louise Cullen , Paul Martin

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Kirsten Strudwick	PhD, UQ	Musculoskeletal quality indicators	Trevor Russell (UQ), Melinda Martin-Kahn (UQ), Anthony Bell
Kimberley Ryan	Master of Nursing, QUT (2015-2017)	The lived experience of emergency nurses caring for elderly patients dying from traumatic injuries	Dr Leanne Jack (QUT) James Hughes
Laura Foran	MPhil, QUT (2017-2019)	Clinical presentation characteristics of Aboriginal and Torres Strait Islander patients presenting to an Emergency Department with suspected Acute Coronary Syndrome.	Louise Cullen, Jessica Suna
Azka Fathiyatir Rizqillah	Master of Nursing, QUT (2016-2018)	Indonesian emergency nurses' disaster preparedness to respond to natural disaster	Jessica Suna
Nicola Harper	PhD, UQ (2017-2019)	A pre and post evaluation of the impact of an Automated Medication Distribution System (AMDS) on medication administration in the RBWH Emergency Department	Jessica Suna
Caitlin Lock	MPhil, QUT (2017-2019)	Evaluation of an emergency department extended-hours pharmacy service and its impact on length of stay	Sonya Osborne (QUT), David Brain (QUT), Anthony Bell, Ian Coombes, Louise Cullen , Neil Cottrell (UQ)

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Venkat Acholi	Emergency Physiotherapist	Physiotherapy defined scope of practice (prescribing)	
Anthony Bell	Associate Professor	Faculty of Medicine, Southside Clinical School	UQ (2012-current)
	Adjunct Associate Professor	School of Public Health	QUT (2013-current)
Daniel Bodnar	Senior Lecturer	Faculty of Medicine	UQ (2012-current)
Anthony Brown	Professor of Emergency Medicine	Faculty of Medicine, Discipline of Anaesthesiology and Critical Care	UQ (2009-current)
	Adjunct Professor	School of Public Health and Social Work	QUT (2009-current)
Nathan Brown	Honorary Senior Lecturer	Faculty of Medicine, Discipline of Anaesthesiology and Critical Care	UQ (2016-current)
Julia Brownlie	Nurse Practitioner	Emergency nurse practitioner in early pregnancy	
John Burke	Adjunct Associate Professor	School of Public Health and Social Work	QUT (2016-current)
Mary Caole	Summer Scholarship Student	Drug treatment of headache in the emergency department	UQ
Kevin Chu	Adjunct Associate Professor	Faculty of Medicine	UQ (2011-current)
	Adjunct Associate Professor	School of Public Health and Social Work	QUT (2009-current)

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Louise Cullen	Adjunct Professor	Faculty of Health	QUT (2016-current)
	Associate Professor	Faculty of Medicine	UQ (2015-current)
Elizabeth Doran	Senior Pharmacist		
Lufei Gao	Research Assistant	Emergency Department Opioid Prescribing Intervention: Optimising Discharge (ED OPIOID) Study: An evaluation of the prescribing patterns and level of communication for oxycodone on discharge from RBWH ED	
Vanessa Grayson		Emergency Department Opioid Prescribing Intervention: Optimising Discharge (ED OPIOID) Study: An evaluation of the prescribing patterns and level of communication for oxycodone on discharge from RBWH ED	
Jaimi Greenslade	Adjunct Senior Lecturer	Faculty of Medicine	UQ (2011-current)
	Adjunct Associate Professor	School of Public Health and Social Work	QUT (2012-current)
Janelle Heine	Emergency Physiotherapist	Physiotherapy defined scope of practice (prescribing)	
Catherine Hurn	Senior Lecturer	Faculty of Medicine	UQ (2008-current)
Tegwen Howell	Research Officer		
David Hughes	Senior Pharmacist		
James Hughes	Conjoint Senior Nursing Research Fellow	School of Nursing	QUT (2017 – Current)
David Kramer	Staff Specialist	Physiotherapy defined scope of practice (prescribing)	
Trent Lipp	Senior Lecturer	Faculty of Medicine	UQ (2014-current)
Caitlin Lock	Quality Improvement Officer	Emergency Department Opioid Prescribing Intervention: Optimising Discharge (ED OPIOID) Study: An evaluation of the prescribing patterns and level of communication for oxycodone on discharge from RBWH ED	
William Lukin	Senior Lecturer	Faculty of Medicine	UQ (2008-current)
Alexandra Markwell	Senior Lecturer	Faculty of Medicine	UQ (2012-current)
Duncan McAuley	Senior Lecturer	Faculty of Medicine	UQ (2012-current)
Philip Richardson	Senior Lecturer	Faculty of Medicine	UQ (2001-current)
David Rosengren	Senior Lecturer	Faculty of Medicine	UQ (2006-current)
Sean Rothwell	Senior Lecturer	Faculty of Medicine	UQ (2006-current)
Rina Savage	Senior Lecturer	Faculty of Medicine	UQ (2017-current)
Jessica Suna	Conjoint Senior Nursing Research Fellow	Faculty of Nursing	QUT (2017-current)
Frances Williamson	Senior Lecturer	Faculty of Medicine	UQ (2012-current)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Louise Cullen	William Parsonage (Cardiology)	Basel Syncope Evaluation Study (Basel IX)
Louise Cullen	Jaimi Greenslade (ETC), William Parsonage (Cardiology), Adam Scott (Cardiology), Jacobus Ungerer (Pathology Queensland), Tracey Hawkins (ETC), Gerben Keijzers (GCUH), Julia Critly (Griffith University), Nicholas Graves (QUT), Ariel Ho (UQ)	Examining translation of research into improved assessment for heart attack
Louise Cullen	Jaimi Greenslade (ETC), Julian Williams (ETC), Claire Rickard (Griffith University), Matthew Jensen (ETC), Paul Scuffham (Griffith University), Frances Kinnear (TPCH)	The cannulation rates in ED intervention trial (CREDIT)
Louise Cullen	John Fraser, Kiran Shekar, Liam Byrne, Obonyo Nchfatso, Connie Boon, Louise See Ho, Margaret Passmore, Kathryn Maitland	Too much of a good thing; does fluid resuscitation worsen septic shock?
Louise Cullen	Anthony Brown (ETC), Jaimi Greenslade (ETC), Peter O'Rourke (QUT), Kevin Chu (ETC), Xiang-Yu Hou (QUT), William Parsonage (Cardiology), Nicholas Graves (QUT), Martin Than (Christchurch Hospital, NZ)	Rapid assessment of cardiac chest pain: The Australia and New Zealand Assessment of chest Pain Rule (ANZAP rule): A prospective validation study
Gary Mitchell	Louise Cullen (ETC)	Diagnosis of acute coronary occlusion in patients with a ventricular paced rhythm (PERFECT)
Mahender Samtani	Jennifer Paratz (Physiotherapy), Shaun O'Leary (Physiotherapy), Venkat Acholi (ETC), Janelle Heine (ETC)	Comparison of two exercise approaches for the management of low back pain in the emergency department setting
Philip Richardson	Elizabeth Doran (Pharmacy), Kevin Chu (ETC), Jaimi Greenslade (ETC)	Medication & Fluid orders in the Emergency Department: Examining the incidence of error and adverse events
Alexandra Markwell	Tegwen Howell (ETC), Carol Windsor (QUT), Anthony Bell (ETC), Kevin Chu (ETC), Angela O'Malia (Social Work)	Describing the experiences of social workers in a tertiary ED

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Kevin Chu	Jeremy Furyk (Townsville Hospital), Gerben Keijzers (GCUH), Carol Windsor (QUT), Rob Eley (PAH), Frances Kinnear (TPCH), Andrew Staib (PAH)	Diagnostic workup for suspected subarachnoid haemorrhage
Kevin Chu	Anthony Nguyen (Australian e-Health Research Centre, CSIRO)	Preventing missed diagnoses through automated reconciliation of ED medical records
Bill Lukin	Xiang-Yu Hou (QUT), Gerald Fitzgerald (QUT), David Green (GCUH), Alan O'Connor (ETC) , Nicholas Graves (QUT), Alan Barnard (QUT), Jaimi Greenslade (ETC) , Kevin Chu (ETC)	Evaluation of Hospital In Nursing Home Program in Queensland
John Burke	Gerald Fitzgerald (QUT)	Four hour rule project - validation and impact of the four hour rule in the ED: a large data linkage study
Julian Williams	David Paterson (Infectious Diseases Unit) , Graeme Nimmo (Microbiology) , Jaimi Greenslade (ETC) , Katherine Doucet , Kevin Chu (ETC) , Jeffrey Lipman (ICU) , Anthony Brown (ETC)	Identifying risk factors for MRSA
Daniel Bodnar	Emma Bosley (QAS), Stephen Rashford (QAS), Mark Shirran (GCUH), Catherine Hurn (ETC) , Matthew Meister, Glenn Ryan (PAH)	Queensland pre-hospital study identifying which trauma patients are at risk of bleeding to death
Anthony Bell	Michelle Romeo (MNHHS), Roger O'Gorman (ETC) , Trudy Teasdale (GCUH), and The Australian eHealth Research Centre (CSIRO)	Reviewing equitable access to healthcare outcomes outside of hours (REACH)
Anthony Bell	John Burke (ETC) , Gerald Fitzgerald (QUT), Sam Toloo (QUT), Julia Crilly (GCUH), Ged Williams (GCUH)	State-wide models of care in emergency departments (SWAMPED)
Tina Moriarty	Kevin Chu (ETC) , Daniel Bodnar (ETC) ,	Roll overs in field triage (RIFT)
Debra Harcourt (ETC/Patient Flow Unit)	Leonie Cartlidge-Gaan (Internal Medicine) , Clancy McDonald (ETC) , John Burke (ETC) , Anthony Nesbit (Patient Flow Unit) , Amanda Dines (Executive Services)	Emergency department frequent presenters response project
Daniel Bodnar	Zoe Stevens (UQ), Steven Raven (QAS), Michael Handy (Trauma Service) , Sue Williams (Pathology Queensland) , Stephen Rashford (QAS)	What are the haematological and biochemical abnormalities seen in patients given prehospital blood transfusions for trauma?
Kevin Chu	Nathan Brown (ETC)	Drug treatment of headache in the emergency department

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Louise Cullen	Nathan Brown (ETC), Jaimi Greenslade (ETC), Peter Donovan (Internal Medicine), Ian Coombes (Pharmacy), Neil Cottrell (UQ), Bill Lukin (ETC), Anthony Bell (ETC), Elizabeth Doran (ETC), David Hughes (ETC)	Prevalence and characteristics of medication-related presentations to the emergency department
Kevin Chu	Judith Bellapart (Intensive Care Medicine), Craig Winter (Neurosurgery), Rosalind Jeffree (Neurosurgery), Jeffrey Lipman (Intensive Care Medicine), Jacobus Ungerer (Pathology Queensland), Anita Pelecanos (QIMR Berghofer), Anthony Brown (ETC) Nathan Brown (ETC)	Timing of lumbar puncture for the detection of xanthochromia in suspected subarachnoid haemorrhage
Julia Brownlie	Louise Cullen (ETC), Jaimi Greenslade (ETC), Jessica Suna (ETC)	Emergency nurse practitioner in early pregnancy

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Julia Crilly (Griffith University and GCUH)	David Rosengren (ETC), Sean Rothwell (ETC)	Evaluating the impact of alcohol on emergency department presentations (ETOH)
Drew Richardson (The Canberra Hospital)	David Rosengren (ETC)	Australasian College of Emergency Medicine Alcohol Harm in Emergency Departments (AHED) Snapshot
James Winearls (GCUH)	Catherine Hurn (ETC), Anthony Holley (Trauma Services)	Fibrinogen early in severe trauma study (FEISTY)
Andrea Driscoll (Deakin University)	Louise Cullen (ETC)	Redesigning systems of care for heart failure patients to improve outcomes
William Crawford (TPCH)	Louise Cullen (ETC)	Impact of fluid volume resuscitation on nitric oxide-induced oxidative stress and cardiac dysfunction in an ovine septic shock model
Christopher Reid (Curtin University of Technology, WA)	Louise Cullen (ETC)	Centre for Research Excellence in Cardiovascular Outcomes Improvement
Kylie Baker (Ipswich Hospital)	Louise Cullen (ETC)	Breathe easy early study (BEES)
John Fraser (TPCH)	Louise Cullen (ETC)	Cardiovascular haemodynamics in an ovine model of brain stem death

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Paul Fulbrook (TPCH)	Fiona Coyer (Nursing Research and Development Unit), Rhys Higgo (ETC)	Pressure injuries in the emergency department
Colin Page (PAH)	Frances Williamson (ETC)	An audit of a change in clinical practice for Queensland Ambulance Service from midazolam to droperidol for prehospital acute behavioural disturbance
Glenn Ryan (PAH)	Frances Williamson (ETC)	Potential of resuscitative balloon occlusion of the aorta (REBOA) for non-compressible torso haemorrhage
Frances Kinnear (TPCH)	Kevin Chu (ETC)	A randomised controlled trial of interventional versus conservative treatment of primary spontaneous pneumothorax
Kylie Baker (Ipswich Hospital)	Kevin Chu (ETC)	Multicentre randomised controlled trial incorporating bedside lung ultrasound into the diagnosis of congestive cardiac failure in breathless older patients
Stephen Rashford (QAS)	Daniel Bodnar (ETC)	A prospective blinded evaluation of the sensitivity and specificity of pre-hospital Focussed Abdominal Sonogram for Trauma (FAST)
Bradley Partridge (Caboolture Hospital)	Anthony Bell (ETC)	Survey of occupational violence in the emergency department
David Mountain (Sir Charles Gairdner Hospital, Perth)	Kevin Chu (ETC)	RESPECT-ED: Rates of pulmonary emboli (PE) and sub-segmental PE with modern computed tomographic pulmonary angiograms in emergency departments: a multi-centre observational study
Simon Brown (Harry Perkins Institute of Medical Research)	Kevin Chu (ETC)	Primary spontaneous pneumothorax (PSP) study
Peter Jones (Auckland District Health)	Anthony Bell (ETC)	Systematic review on emergency department overcrowding
Jeffrey Braithwaite (Australian Institute of Health Innovation, Macquarie University)	Anthony Bell (ETC)	Deepening our understanding of quality in Australia (DUQuA)
Kazi Badrul (QUT)	John Burke (ETC)	Lean integrated optimisation model of emergency department for improved patient flow
Wahid Allahaibi (QUT)	John Burke (ETC)	A new approach to optimise hospital emergency and inpatient operations
Mark Cruickshank (RBWH Physiotherapy)	Venkat Acholi (ETC), Janelle Heine (ETC), David Kramer (ETC)	Physiotherapy defined scope of practice (prescribing)
Alistair Hamilton (Trauma Service)	Catherine Hurn (ETC)	Goal directed transfusion in trauma: the impact of thromboelastometry (ROTEM®) on allogenic blood product usage
Julia Crilly (Griffith University and GCUH)	Jaimi Greenslade (ETC), Jessica Suna (ETC), James Hughes (ETC)	Morale, stress and coping strategies of staff working in the emergency department: A national and international comparison
Paul Haber (RPAH, University of Sydney)	Clancy McDonald (ETC)	Reconnecting after a suicide attempt (RAFT) – feasibility study
Georgia Livesay (PAH)	James Hughes (ETC), Nathan Brown (ETC), Tegwen Howell (ETC)	Understanding the patterns, circumstance and outcomes of power tool injuries in occupational and domestic settings to inform a safety campaign.

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Tracey Hawkins	“The Cecilia Brazil Nursing Research Award”	2017 RBWH Healthcare Symposium, Brisbane
David Hughes	“Health Services Implementation Research Award”	2017 RBWH Healthcare Symposium, Brisbane
Louise Cullen	Fellow of the European Society of Cardiologists	
Louise Cullen	“Complex Health Challenges Research Award”	2017 RBWH Healthcare Symposium, Brisbane
Louise Cullen	“Best Overall Presentation”	2017 RBWH Healthcare Symposium, Brisbane
Louise Cullen	“Runner-up, 2017 People’s Choice: Best Emergency Medicine Researcher in Australia”	Emergency Medicine Foundation Research Symposium, Brisbane
Caitlin Lock	Finalist for “Qual-ED” – Innovation Category	2017 Metro North Staff Excellence Awards, Brisbane
Matilda Schmidt	Finalist for “The Blood Clock” – Innovation Category	2017 Metro North Staff Excellence Awards, Brisbane
Working Together to Connect Care Program: an ED and Community Initiative	Finalist - Excellence in Integrated Care Category	2017 Metro North Staff Excellence Awards, Brisbane

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Driscoll A, Tonkin A, Hare D, Prior D, Cullen L , Albert N, et al.	Emergency & Trauma Centre	Redesigning systems of care for heart failure patients to improve outcomes	National Heart Foundation	\$75,000	\$150,000 (2016 – 18)
Cullen L , Fraser J, Shekar K, Byrne L, Nchafastso O, Boone C, et al.	Emergency & Trauma Centre	Too much of a good thing; Does fluid resuscitation worsen septic shock?	Emergency Medicine Foundation	\$77,233	\$77,233 (2016 – 17)
Cullen L , Graves N	Emergency & Trauma Centre	The impact of ImpACT: a protocol to improve emergency chest pain assessment	AusHSI	\$55,000	\$110,000 (2016–17)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Savage R, Kline T, Lock C, Pattullo C, Bell AJ.	Emergency & Trauma Centre, Pharmacy Department	Emergency Department Opioid Prescribing Intervention: Optimising Discharge (ED OPIOID) Study: An evaluation of the prescribing patterns and level of communication for oxycodone on discharge from RBWH ED	Emergency Medicine Foundation	\$10,000	\$34,955 (2017-2018)
Chew D, Briffa T, Cullen L , Quinn S, Karnon J	Emergency & Trauma Centre	Improving rapid decision-making in the face of uncertainty: a randomised trial of a 1-hour troponin protocol in suspected acute coronary syndromes	NHMRC	\$0	\$1,095,320 (2017-20)
Briffa T, Cullen L, Chew D, Knuiman MW, Fatovich D, Hickman PE, et al.	Emergency & Trauma Centre	Is highly-sensitive troponin testing advancing clinical practice, improving outcomes and cost-effective in the investigation and management of chest pain in the Emergency Department?	NHMRC	\$0	\$1,193,966 (2017-20)
Lancini D, Cullen L, Martin P, Prasad S, Greenslade J	Emergency & Trauma Centre, Department of Cardiology	Atrial fibrillation in the emergency chest pain presentation	RBWH Foundation	\$15,335	\$15,335 (2017)
Crilly J, Rosengren D , Green D, Furyk J, Rothwell S.	Emergency & Trauma Centre	Evaluating the impact of alcohol on emergency department presentations (ETOH) awarded June 2016 (\$359,758).	Queensland Health	\$18,193	\$359,758 (2016-2017)
Chu K , Bellapart J, Winter C, Jeffree R, Lipman J, Ungerer J, Pelecanos A, Brown AFT, Brown N.	Emergency & Trauma Centre, Department of Intensive Care Medicine, Department of Neurosurgery,	Timing of lumbar puncture for the detection of xanthochromia in subarachnoid haemorrhage	RBWH and RBWH Foundation Project Grant	\$0	\$39,978 (2018)
Greenslade J , Sullivan K, Chu K , Hills A, Mullins R, Smith S.	Emergency & Trauma Centre	Active-TBI for slow-to-recover mild traumatic brain injury	RBWH and RBWH Foundation Project Grant	\$0	\$39,997 (2018)
Cullen L, Brown N, Greenslade J , Donovan P, Coombes I, Cottrell N, Lukin B, Bell A, Doran E, Hughes D.	Emergency & Trauma Centre, Pharmacy Department, Department of Internal Medicine	Prevalence and characteristics of medication-related presentations to the emergency department	Emergency Medicine Foundation Staff Specialist Grant	\$0	\$31,410 (2018)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Apple FS, Cullen L , Felker GM, Ginsburg G, Morrow D. Cardiovascular Disease: Impact of Biomarkers, Proteomics, and Genomics. Clin Chem. 2017;63(1):1-4.
Journal Article	Badertscher P, Nestelberger T, de Lavallaz JdF, Than M, Morawiec B, Kaweck i D,... Cullen L , et al. Prohormones in the Early Diagnosis of Cardiac Syncope. J Am Heart Assoc. 2017;6(12).
Journal Article	Burke JA, Greenslade J, Chabrowska J, Greenslade K, Jones S, Montana J, Bell A , et al. Two Hour Evaluation and Referral Model for Shorter Turnaround Times in the emergency department. Emerg Med Australas. 2017;29(3):315-23.
Journal Article	Carlton E, Cullen L , Body R. Appropriate Use of High-Sensitivity Cardiac Troponin Levels in Patients With Suspected Acute Myocardial Infarction-Reply. JAMA Cardiol. 2017;2(2):229-30.
Journal Article	Chapman AR, Lee KK, McAllister DA, Cullen L, Greenslade JH, Parsonage W , et al. Association of High-Sensitivity Cardiac Troponin I Concentration With Cardiac Outcomes in Patients With Suspected Acute Coronary Syndrome. JAMA. 2017;318(19):1913-24.
Letter	Chew DP, Scott IA, Cullen L , French JK, Briffa TG, Tideman PA, et al. Corrigendum to 'National Heart Foundation of Australia & Cardiac Society of Australia and New Zealand: Australian Clinical Guidelines for the Management of Acute Coronary Syndromes 2016' Heart Lung and Circulation volume 25, (2016) 898 - 952. Heart Lung Circ. 2017;26(10):1117.
Journal Article	Chu K , Pelecanos A, Brown NJ, Brown AF . The chances that an emergency physician will demonstrate three abdominal aortic aneurysms by ultrasound in the emergency department for credentialing: a statistician's view. Emerg Med Australas. 2017;29(4):464-66.
Journal Article	Chu KH, Howell TE , Keijzers G, Furry JS, Eley RM, Kinnear FB, Thom O, Mahmoud I, Brown AF . Acute headache presentations to the emergency department: A state-wide cross-sectional study. Acad Emerg Med. 2017;24(1):53-62.
Journal Article	Chu KH, Mahmoud I, Brown AF . What is the chance all your trainees will pass the next Fellowship exam: A statistician's view. Emerg Med Australas. 2017;29(1):113-5.
Journal Article	Crilly J, Greenslade J , Lincoln C, Timms J, Fisher A. Measuring the impact of the working environment on emergency department nurses: A cross-sectional pilot study. Int Emerg Nurs. 2017;31:9-14.
Journal Article	Cullen L, Brown N . Diving into research: A practical guide for emergency medicine trainees. Emerg Med Australas. 2017;29:722-23.
Journal Article	Cullen L, Greenslade JH, Hawkins T, Hammett C, O'Kane S, Ryan K, Parker K, Schluter J, Dalton E, Brown AFT , et al. Improved Assessment of Chest pain Trial (IMPACT): assessing patients with possible acute coronary syndromes. Med J Aust. 2017;207(5):195.
Journal Article	Cullen LA , Mills NL. Point: The Use of Sex-Specific Cutpoints for High-Sensitivity Cardiac Troponin Assays. Clin Chem. 2017;63(1):261-3.
Journal Article	Cullen LA , Mills NL, Mahler S, Body R. Early Rule-Out and Rule-In Strategies for Myocardial Infarction. Clin Chem. 2017;63(1):129-39.
Journal Article	Etaher A, Chew D, Redfern J, Briffa T, Ellis C, Hammett C , Lefkovits J, Elliott J, Cullen L , et al. Suspected ACS Patients Presenting With Myocardial Damage or a Type 2 Myocardial Infarction Have a Similar Late Mortality to Patients With a Type 1 Myocardial Infarction: A Report From the Australian and New Zealand 2012 SNAPSHOT ACS Study. Heart Lung Circ. 2017;26(10):1051-8.
Journal Article	Furyk J, Watt K, Emeto TI, Dalziel S, Bodnar D , Riney K, et al. Review article: Paediatric status epilepticus in the pre-hospital setting: An update. Emerg Med Australas. 2017;29(4):383-90.
Journal Article	Greenslade J, Cullen L . Comparing the No Objective Testing rule to the HEART pathway. Acad Emerg Med. 2017;24(9):1169-70.
Journal Article	Greenslade JH, Hawkins T, Parsonage W, Cullen L . Panic Disorder in Patients Presenting to the Emergency Department with Chest Pain: Prevalence and Presenting Symptoms. Heart Lung Circ. 2017;26(12):1310-6.
Journal Article	Greenslade JH, Nayer R, Parsonage W, Doig S, Young J, Pickering JW, Than M, Hammett C, Cullen L . Validating the Manchester Acute Coronary Syndromes (MACS) and Troponin-only Manchester Acute Coronary Syndromes (T-MACS) rules for the prediction of acute myocardial infarction in patients presenting to the emergency department with chest pain. Emerg Med J. 2017;34(8):517-23.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Hancock DG, Chuang MYA, Bystrom R, Halabi A, Jones R, Horsfall M, Cullen L, Parsonage WA , Chew DP. Rational clinical evaluation of suspected acute coronary syndromes: The value of more information. <i>Emerg Med Australas</i> . 2017;29:664-71.
Journal Article	Huis in't Veld MA, Cullen L , Mahler SA, Backus BE, Dezman ZDW, Mattu A. The fast and the furious: low-risk chest pain and the rapid rule-out protocol. <i>West J Emerg Med</i> . 2017;18(3):474-78.
Journal Article	Jülicher P, Greenslade JH, Parsonage WA, Cullen L . The organisational value of diagnostic strategies using high-sensitivity troponin for patients with possible acute coronary syndromes: a trial-based cost-effectiveness analysis. <i>BMJ Open</i> . 2017;7(6).
Journal Article	Keijzers G, Kelly A-M, Cullen L , Klim S, Graham CA, Craig S, et al. Heart failure in patients presenting with dyspnoea to the emergency department in the Asia Pacific region: an observational study. <i>BMJ Open</i> . 2017;7(2).
Journal Article	Kelly AM, Keijzers G, Klim S, Graham CA, Craig S, Kuan WS,.... Rosengren D , et al. An Observational Study of Dyspnea in Emergency Departments: The Asia, Australia, and New Zealand Dyspnea in Emergency Departments Study (AANZDEM). <i>Acad Emerg Med</i> . 2017;24(3):328-36.
Journal Article	Khanna S, Boyle J, Good N, Bell A , Lind J. Analysing the emergency department patient journey: Discovery of bottlenecks to emergency department patient flow. <i>Emerg Med Australas</i> . 2017;29(1):18-23.
Journal Article	Knowlman T, Greenslade JH, Parsonage W, Hawkins T , Ruane L, Martin P , Prasad S, Lancini D, Cullen L . The association of electrocardiographic abnormalities and acute coronary syndrome in emergency patients with chest pain. <i>Acad Emerg Med</i> . 2017;24(3):344-52.
Journal Article	Lavery T, Greenslade J, Parsonage W, Hawkins T, Dalton E, Hammett C, Cullen L . Factors influencing choice of pre-hospital transportation of patients with potential acute coronary syndrome: An observational study. <i>Emerg Med Australas</i> . 2017;29(2):210-16.
Journal Article	Macdonald SPJ, Williams JM , Shetty A, Bellomo R, Finfer S, Shapiro N, et al. Review article: Sepsis in the emergency department – Part 1: Definitions and outcomes. <i>Emerg Med Australas</i> . 2017;29:619-25.
Journal Article	McQuilten ZK, Zatta AJ, Andrianopoulos N, Aoki N, Stevenson L, Badami KG,... Hurn C , et al. Evaluation of clinical coding data to determine causes of critical bleeding in patients receiving massive transfusion: a bi-national, multicentre, cross-sectional study. <i>Transfus Med</i> . 2017;27(2):114-21.
Journal Article	Miro O, Burbano P, Graham CA, Cone DC, Ducharme J, Brown AF , et al. Analysis of h-index and other bibliometric markers of productivity and repercussion of a selected sample of worldwide emergency medicine researchers. <i>Emerg Med J</i> . 2017;34(3):175-81.
Journal Article	Miro O, Peacock FW, McMurray JJ, Bueno H, Christ M, Maisel AS, Cullen L , et al. European Society of Cardiology - Acute Cardiovascular Care Association position paper on safe discharge of acute heart failure patients from the emergency department. <i>Eur Heart J Acute Cardiovasc Care</i> . 2017;6(4):311-20.
Journal Article	Moore N . A guide to workplace-based assessments for the new FACEM assessor. <i>Emerg Med Australas</i> . 2017;29(1):104-5.
Journal Article	Mueller C, Christ M, Cowie M, Cullen L , Maisel AS, Masip J, et al. European Society of Cardiology-Acute Cardiovascular Care Association Position paper on acute heart failure: A call for interdisciplinary care. <i>European Heart Journal: Acute Cardiovascular Care</i> . 2017;6(1):81-6.
Journal Article	Neumann JT, Sorensen NA, Ojeda F, Schwemer T, Lehmacher J, Gonner S, Parsonage W, Greenslade J, Cullen L , et al. Immediate Rule-out of Acute Myocardial Infarction Using Electrocardiogram and Baseline High-sensitivity Troponin I. <i>Clin Chem</i> . 2017;63(1):394-402.
Journal Article	Papendick C, Blyth A, Seshadri A, Edmonds MJR, Briffa T, Cullen L , et al. A randomized trial of a 1-hour troponin T protocol in suspected acute coronary syndromes: Design of the Rapid Assessment of Possible ACS In the emergency Department with high sensitivity Troponin T (RAPID-TnT) study. <i>Am Heart J</i> . 2017;190:25-33.
Journal Article	Parsonage WA, Milburn T, Ashover S, Skoien W, Greenslade JH, McCormack L, Cullen L . Implementing change: evaluating the Accelerated Chest pain Risk Evaluation (ACRE) project. <i>Med J Aust</i> . 2017;207(5):201.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Pickering JW, Than MP, Cullen L , Aldous S, Ter Avest E, Body R,... Greenslade JH ,... Parsonage W , et al. Rapid Rule-out of Acute Myocardial Infarction With a Single High-Sensitivity Cardiac Troponin T Measurement Below the Limit of Detection: A Collaborative Meta-analysis. <i>Ann Intern Med</i> . 2017;166(10):715-24.
Journal Article	Price S, Platz E, Cullen L , Tavazzi G, Christ M, Cowie MR, et al. Expert consensus document: Echocardiography and lung ultrasonography for the assessment and management of acute heart failure. <i>Nat Rev Cardiol</i> . 2017;14(7):427-40.
Journal Article	Ruane L, Greenslade J , Parsonage W , Hawkins T , Hammett C , Lam CSP, Knowlman T, Doig S, Cullen L . Differences in Presentation, Management and Outcomes in Women and Men Presenting to an Emergency Department With Possible Cardiac Chest Pain. <i>Heart Lung Circ</i> . 2017;26(12):1282-90.
Journal Article	Shetty A, MacDonald SP, Williams JM , van Bockxmeer J, de Groot B, Esteve Cuevas LM,... Greenslade J , et al. Lactate ≥ 2 mmol/L plus qSOFA improves utility over qSOFA alone in emergency department patients presenting with suspected sepsis. <i>Emerg Med Australas</i> . 2017;29(6):626-34.
Journal Article	Staib A, Sullivan C, Jones M, Griffin B, Bell A , Scott I. The ED-inpatient dashboard: Uniting emergency and inpatient clinicians to improve the efficiency and quality of care for patients requiring emergency admission to hospital. <i>Emerg Med Australas</i> . 2017;29(3):363-66.
Journal Article	Strudwick K, Bell A , Russell T, Martin-Khan M. Developing quality indicators for the care of patients with musculoskeletal injuries in the Emergency Department: Study protocol. <i>BMC Emerg Med</i> . 2017;17(1):14.
Journal Article	Suna J , Hawkins T . Peripheral intravenous cannula in the emergency department. <i>Aust Nurs Midwifery J</i> [Internet]. 2017 August [cited 2017 August 2]; 25(2):[24 p.]. Available from: ISSUU. https://issuu.com/australiannursingfederation/docs/anmj_august_book_issuu .
Journal Article	Tan JWC, Lam CSP, Kasim SS, Aw TC, Abanilla JM, Chang WT,... Cullen L . Asia-Pacific consensus statement on the optimal use of high-sensitivity troponin assays in acute coronary syndromes diagnosis: Focus on hs-TnI. <i>Heart Asia</i> . 2017;9(1):81-7.
Letter	Than MP, Pickering JW, Cullen L , Kavsak PA. Response by Than et al to Letter Regarding Article, "Assessment of the European Society of Cardiology 0-Hour/1-Hour Algorithm to Rule-Out and Rule-In Acute Myocardial Infarction". <i>Circulation</i> . 2017;135(16):e923-e4.
Journal Article	Wildi K, Cullen L , Twerenbold R, Greenslade JH , Parsonage W , Boeddinghaus J, et al. Direct comparison of 2 rule-out strategies for acute myocardial infarction: 2-h accelerated diagnostic protocol vs 2-h algorithm. <i>Clin Chem</i> . 2017;63(7):1227-36.
Journal Article	Williams JM , Greenslade JH , McKenzie JV , Chu K , Brown AF , Lipman J . Systemic Inflammatory Response Syndrome, Quick Sequential Organ Function Assessment, and Organ Dysfunction: Insights From a Prospective Database of ED Patients With Infection. <i>Chest</i> . 2017;151(3):586-96.
Journal Article	Winearls J, Campbell D, Hurn C , Furry J, Ryan G, Trout M, et al. Fibrinogen in traumatic haemorrhage: A narrative review. <i>Injury</i> . 2017;48(2):230-42.
Journal Article	Winearls J, Wulschleger M, Wake E, Hurn C , Furry J, Ryan G, et al. Fibrinogen Early In Severe Trauma study (FEISTY): study protocol for a randomised controlled trial. <i>Trials</i> . 2017;18(1):241.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Allihaibi W, Masoud M, Cholette M, Burke J, Karim A, Liu SQ, editors. Optimising the service of emergency department in a hospital. MODSIM2017, 22nd International Congress on Modelling and Simulation; 2017 3-8 December; Hobart, Tasmania: Modelling and Simulation Society of Australia and New Zealand.
Oral	Bell AJ. Hospital 24/7 - Evidence around differential weekend and 'out of hours' outcomes. Australian e-Health Research Colloquium; Brisbane, Queensland. 28 March, 2017.
Oral Invited	Bodnar D. What is the right stuff? Optimising trauma fluid management in the pre-hospital setting. Australian & New Zealand College of Paramedicine Conference; Brisbane, Australia. 24-25 August, 2017.
Oral	Brown AFT. Dabigatran reversal. 13th Annual Queensland Emergency Medicine Autumn Symposium; Brisbane, Australia. 25-26 May, 2017.
Oral Invited	Christie L, Lukin B, Rogers I. Exploring end of life emergencies and care for the dying elderly. Australasian College for Emergency Medicine 34th Annual Scientific Meeting; Sydney. 19-23 November, 2017.
Oral Invited	Chu K. Sudden headache: Now what? Emergency Medicine Core Knowledge (EMCORE) conference; Melbourne, Australia. 3-4 June, 2017.
Poster	Chu K, Mahmoud I, Hou XY, Winter C, Jeffree R, Brown N, et al. Incidence and outcomes of subarachnoid haemorrhage in the general and emergency department populations in Queensland from 2010 to 2014. Australasian College for Emergency Medicine 34th Annual Scientific Meeting; Sydney. 19-23 November, 2017.
Oral	Chu K, Windsor C, Fox J, Howell T, Keijzers G, Eley R, et al. Understanding the variability in the diagnostic approach to subarachnoid haemorrhage: a qualitative study. Australasian College for Emergency Medicine 34th Annual Scientific Meeting; Sydney. 19-23 November, 2017.
Oral	Cullen L. CREDIT - reducing inappropriate cannulation in ED. Clinical Excellence Showcase (Clinical Excellence Division, Queensland Health); Brisbane, Australia. 1-2 June, 2017.
Oral Invited	Cullen L. Experiences in securing clinical roll-out funding. Emergency Medicine Foundation Acute Care Research & Translation Workshop; Brisbane, Australia. 24 August, 2017.
Oral	Cullen L. Sex differences in chest pain assessment. Australasian College for Emergency Medicine 34th Annual Scientific Meeting; Sydney. 19-23 November, 2017.
Oral	Cullen L. Clinical redesign: Lessons from implementation of novel chest pain strategies. Australasian College for Emergency Medicine 34th Annual Scientific Meeting; Sydney. 19-23 November, 2017.
Oral Invited	Cullen L, Aitken P, Crilly J, Keijzers G. Where a PhD can take you in Emergency Medicine. Emergency Medicine Foundation Research Symposium; Brisbane, Australia. 25 August, 2017.
Oral	Cullen L, Hammett C, Younger J. ACS assessment and management in 2017. 13th Annual Queensland Emergency Medicine Autumn Symposium; Brisbane, Australia. 25-26 May, 2017.
Oral Invited	Davis M, Amerena J, Brown AFT, Catanchin A. The ripple effect of atrial fibrillation and anticoagulation. Cardiac Society of Australia and New Zealand 65th Annual Scientific Meeting; Perth, Australia. 10-13 August, 2017.
Oral	Harcourt D, McDonald C. Working together to connect care. Clinical Excellence Showcase (Clinical Excellence Division, Queensland Health); Brisbane, Australia. 1-2 June, 2017.
Poster	Hawkins T, Greenslade J, Cullen L, Williams J, Jensen M, Wynne P, et al. CREDIT: Reducing unnecessary cannulation in the ED. The Health Roundtable Innovations Workshops and Awards; Brisbane. 26 & 27 July, 2017.
Oral	Hughes D, Bell A, Doran E, Coombes I, Lock C. DEM Medicine Wise. Australasian College for Emergency Medicine 34th Annual Scientific Meeting; Sydney. 19-23 November, 2017.
Oral Invited	Hurn C. ROTEM in the emergency department. The inaugural perioperative patient blood management symposium; Royal Brisbane and Women's Hospital, Australia. 18 February, 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Kuhn L, Page K, Nedkoff L, Chew D, Ellis C, Cullen L, et al. A Gender-Based Comparison of Management, In-Hospital and Late Outcomes for Patients with Acute Coronary Syndrome in Australia and New Zealand: Results from the SNAPSHOT ACS Audit. Cardiac Society of Australia and New Zealand 65th Annual Scientific Meeting; Perth, Australia. 10-13 August, 2017.
Oral Invited	Lukin B. Future approaches to geriatric care & the EM career trajectory. Emergency Medicine Foundation Research Symposium; Brisbane, Australia. 25 August, 2017.
Oral	Lukin B. Diversity in clinical EM practice. Australasian College for Emergency Medicine 34th Annual Scientific Meeting; Sydney. 19-23 November, 2017.
Oral	Markwell A. Describing experiences of social workers in a tertiary emergency department. Australasian College for Emergency Medicine 34th Annual Scientific Meeting; Sydney. 19-23 November, 2017.
Oral	Martin-Dines P, Williamson F, Coulthard L, Zheng O, Wall D, Hacking C. The Prevalence of Suboptimal Pelvic Binder Placement Among Trauma Patients Arriving to a Level 1 Trauma Centre. Australasian College for Emergency Medicine 34th Annual Scientific Meeting; Sydney. 19-23 November, 2017.
Poster	McDonald C, Harcourt D. Working together to connect care- A nurse practitioner driven collaborative partnership to manage those that frequently present to a metropolitan emergency department. Australian College of Nurse Practitioners National Conference; Brisbane, Australia. 4-7 Sept, 2017.
Oral	McDonald C, Harcourt D, Cartlidge-Gann L, Fenn M, Lipp T, Burke J, et al. Working together to connect care. The Health Roundtable Innovations Workshops and Awards; Brisbane. 26 & 27 July, 2017.
Oral Invited	Oakley E, Chu K. Writing for publication. Emergency Medicine Foundation Acute Care Research & Translation Workshop; Brisbane, Australia. 24 August, 2017.
Oral	Savage R, Kline T, Bell A, Lock C, Pattullo C, Grayson V. ED OPIOID: Emergency department opioid prescribing intervention to optimise discharge. Australasian College for Emergency Medicine 34th Annual Scientific Meeting; Sydney. 19-23 November, 2017.
Poster	Schmidt M, Greenslade K, Hurn C. Eliminating O Negative blood wastage in the ED. The Health Roundtable Innovations Workshops and Awards; Brisbane. 26 & 27 July, 2017.
Oral Invited	Williams J. New paradigms in critical care: sepsis. Emergency Medicine Foundation Research Symposium; Brisbane, Australia. 25 August, 2017.

OTHER COMMUNICATIONS AND OUTPUTS:

Romeo M, O’Gorman R, Bell A. Reviewing equitable access to healthcare outcomes out of hours and at the weekend (REACH) project: A review of health outcomes for patients admitted out of hours and at the weekend - is there an effect and what are the characteristics and contributing factors? Brisbane: State of Queensland (Metro North

HYPERBARIC MEDICINE SERVICE

The department published a paper defining and validating key recorded baseline values with transcutaneous oximetry measurement, submitted a paper examining the utility of hyperbaric oxygen as an adjunct in the treatment of chronic venous leg ulcers, initiated a national study examining the incidence and treatment protocols associated with oxygen toxicity and has been heavily involved in the initiation of a national and international data registry of outcome measures. In addition a local database program recording key aspects of patient care at the unit is now fully operational.

About this service:

The RBWH Hyperbaric Medicine Service provides inpatient and outpatient treatments in line with evidence based indications approved by the international scientific body, The Undersea and Hyperbaric Medicine Society. It is a subspecialty of the Australian and New Zealand College of Anaesthesia but indications are derived from multiple specialities. Approximately 50% of the current workload is provided in support of the late effects of therapeutic radiation induced tissue damage, both symptomatic treatment of and surgical intervention within. There are applications wherever microvascular disease impedes normal tissue metabolism. Support is provided for endovascular and tissue bubble injury, for example with decompression illness and CAGE, both within the recreational and commercial diving community and iatrogenic injury.

Highlights of 2017:

A major area of work has continued around the newest indication for treatment with hyperbaric oxygen therapy, Idiopathic Sudden Sensorineural Hearing Loss. The timing and dose of the hyperbaric oxygen intervention is being investigated. The department published a paper defining and validating key recorded baseline values with transcutaneous oximetry measurement, submitted a paper examining the utility of hyperbaric oxygen as an adjunct in the treatment of chronic venous leg ulcers, initiated a national study examining the incidence and treatment protocols associated with oxygen toxicity and has been heavily involved in the initiation of a national and international data registry of outcome measures. In addition a local database program recording key aspects of patient care at the unit is now fully operational. Finally a trial investigating the reliability and accuracy of volume delivery of B-Braun infusion pumps and syringe drivers has been completed and is awaiting publication.

Benefits for clinical practice:

The clinical outcome findings from the chronic venous leg ulcer trial have been incorporated into daily practice via the choosing wisely initiative. The findings from the TCOM study now define baseline values for healthy individuals. The B-Braun pumps and syringe drivers have been validated for use under hyperbaric conditions to 4 ATA. The local database will enable ongoing quality assurance programs and the national data registry will help better inform clinical decision making in the hyperbaric medicine area.

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Susannah Sherlock Ken Thistlethwaite	David Kramer, Adam Storey	National data registry
Chrishley Goonawardena Ken Thistlethwaite	Susannah Sherlock, David Kramer, Adam Storey	Effectiveness and reliability of B-Braun infusion devices under hyperbaric conditions to 4 ATA
Susannah Sherlock		CNS toxicity, a national audit of practise

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Pelin Tufekci Biomedical Technology Services	Chrishley Goonawardena	The reliability and precision of B-Braun infusion pumps under hyperbaric conditions to 4 ATA

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal	Transcutaneous oximetry measurements of the leg: comparing different measuring equipment and establishing values in healthy young adults. Trinks TP , Blake DF, Young DA, Thistlethwaite K , Vangaveti VN. Diving Hyperb Med. 2017 Jun;47(2):82-87.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited Speaker	Thistlethwaite K, WORKSHOP – DEVELOPING NATIONALLY AGREED CLINICAL OUTCOMES 25th Annual Scientific Conference in Diving and Hyperbaric Medicine 2017, Adelaide.
Invited Speaker	Sherlock S, Update on CNS Toxicity Audit in Australian and New Zealand Hospitals. 25th Annual Scientific Conference in Diving and Hyperbaric Medicine 2017, Adelaide.
Invited Speaker	Sherlock S, HOTRIX trial: What happened? 25th Annual Scientific Conference in Diving and Hyperbaric Medicine 2017, Adelaide.
Invited Speaker	Sherlock S, Big thinking at small pressures ANZCA ASM 2017 Brisbane.
Invited Speaker	Thistlethwaite K, “Identifying and action upon inappropriate care has misrepresented hyperbaric medicine practice in Australia. Safety and Quality Grand Rounds State wide Presentation QLD 2017.

INTENSIVE CARE SERVICES

Collaboration – that is our message to those wanting to conduct research at any level. Collaboration and partnering with researchers promotes positive research outcomes whilst benefiting the patient outcome. Our research collaborations are aimed to improve the way we provide care to our patients whilst enhancing links with partners all over the world. The projects we undertake in ICU may not directly benefit a patient at the time of enrolment but the information they provide can lead practice in the future. Without collaboration from the research teams, the patients and their families, all levels of the hospital and university staff we would not been able to achieve the outcomes we have so far.

The research environment can be challenging, but the appointment of an Ambassador to Research (Prof Jeffrey Lipman) is a step in the right direction to cement research as a core pillar within Metro North and the RBWH. Collaboration and partnering with researchers promotes positive research outcomes whilst benefiting the patient outcome. Our research collaborations are aimed to improve the way we provide care to our patients whilst enhancing links with our worldwide research partners. The projects we undertake in ICU may not directly benefit a patient at the time of enrolment but the information they provide can lead practice in the future.

The Intensive Care research team collaborates locally, nationally and internationally to find best practice solutions to the care we provide for our patient group.

Joint funding from the RBWH and The University of Queensland saw the establishment and appointment of a research coordinator to enhance our international European research collaborations. With a focus on performing more international studies at a local level, Cheryl Fourie's appointment provides us with greater abilities to our engage with our international partners.

Many studies will culminate in 2017 bringing closure to recruitment. But the research process does not stop there, analysis and write up commences to provide vital information about the outcomes observed throughout the previous (sometimes numerous) years of work. The ICS looks forward to sharing the findings on studies involving the shocked patient (Microscan), antibiotic dosing in trauma patients (ADP-trauma), and plasma markers in patients who experience sub arachnoid haemorrhage (Endothelin) to name just a few.

We also commenced a number of multi centre collaborative ventures and one of the most exciting studies is our micro-sampling endeavour. The concept of using minimal blood samples to determine antibiotic dosing requirements is a potential 'game changer' in treatment. With our university partners, we are asking patients to contribute blood samples, through usual practice methods and the micro-sampling technique to determine if antibiotic levels are similar. If the research is positive, we may have a new method that can be also be adapted into the paediatric population providing essential data with minimal samples required.

Collaboration from the research teams, the patients and their families, and all members of the multi- disciplinary health care team enable the ICS researchers to build on their previous years outcomes towards building a productive and outcome focused research group.



SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Tavey Dorofaeff	PhD, UQ	How to use antibiotics better in Paediatric Intensive Care using pharmacokinetic principles	Jeffrey Lipman, Jason Roberts , Mark Coulthard
Martha Druery	PhD, UQ	Psychosocial outcomes post severe burn injuries in adults - an exploratory study	Jeffrey Lipman , P. Newcombe, C.Cameron
Caleb Economou	PhD, UQ	The pharmacokinetics of vancomycin, meropenem and ticarcillin in critically ill patients undergoing prolonged intermittent renal replacement therapy	Jason Roberts, Jeffrey Lipman, B. Richards
William Franks	MPhil, UQ	Pharmacokinetics of commonly used antimicrobials in lung transplant recipients	Jason Roberts , Mohd Hafiz Abdul Aziz, Menino Os Cotta
Yarmarly Guerra Valero	PhD, UQ	Translating microsampling techniques into better antibiotic dosing for critically ill children	Jason Roberts
Nilesh Kumta	MPhil UQ	Optimising antibiotic dosing for the treatment and prevention of central nervous system infections	Jeffrey Lipman, Jason Roberts
Julie Lee	PhD, UQ	Rotational thromboelastometry (ROTEM) in obstetrics	A van Zundert, Jeremy Cohen , Kirsten Wyssusek
Judith Bellapart	PhD, UQ	Cerebral microcirculation after head injury in bovine models	J. Fraser, R. Boots, J. Paratz
Jayesh Dhanani	PhD, UQ	Study of disposition of inhaled antibiotics	Jason Roberts , J. Fraser
Elissa Milford	PhD, UQ	Effects of commonly used and emerging resuscitation fluids on end organ function in severe trauma	Michael Reade , F. Russell, J-P Tung
Rochelle Ryan	MPhil, UQ	Perioperative cefazolin pharmacokinetics in obesity.	Jason Roberts , A van Zundert, Jeffrey Lipman , K Wyssusek
Eko Setiawan	PhD, UQ	Pharmacokinetics of antimicrobials in hospitalised Indonesian patients	Jason Roberts , MO Cotta, Jeffrey Lipman
Timothy Sladden	PhD, UQ	The role of endothelial glycocalyx breakdown in human lung transplantation and the establishment of a porcine model to study mechanisms and evaluate therapeutic interventions	D Chambers, S Yerkovich, Jeffrey Lipman , J Hill
Annette Sultana	PhD, UQ	Investigating underlying mechanisms of transfusion related acute lung injury	J-P Tung, M Dean, Michael Reade , R Fowler
Kersi Taraporawella	PhD, UQ	Teaching Psycho-Motor Skills in Anaesthesia	A van Zundert, Jeffrey Lipman
Lisa Wang	MPhil, UQ	Plasma and tissue pharmacokinetics of lincomycin in patients with burn wound infection	M Muller, Jason Roberts , Jeffrey Lipman
Julian Williams	PhD, UQ	The sepsis registry: a prospective database to characterise and facilitate improved outcome for admitted patients with community acquired infection	Jeffrey Lipman , D Paterson
Paul Williams	MPhil, UQ	Validation of antibiotics dosing guidelines in critically ill patients	Jason Roberts , MO Cotta

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Gloria Wong	PhD, UQ	A pharmacokinetic-pharmacodynamic evaluation of beta-lactam antibiotics TDM-guided dose adjustment in critically ill patients	Jason Roberts , JA Coombes, A Hale, PI Pillans
Andrew Burke	MPhil, UQ	A study of the pharmacokinetic properties of mycobacterial antibiotics in cystic fibrosis	Jason Roberts , RM Thomson, S Bell, DJ Smith
Vesa Cheng	MPhil, UQ	Dose optimisation of anti-infective drugs in extracorporeal membrane oxygenation (ECMO)	Jason Roberts
Andy Lo	MPhil, UQ	Documenting pharmacy clinical interventions using portable devices and adaptation of a published medication error model to an Australian tertiary centre	Jason Roberts , JA Coombes, A Hale, PI Pillans
Saiyuri Naicker	PhD, UQ	The microbiological effects of antimicrobial deescalation: An in-vitro evaluation in a dynamicinfection model	Jason Roberts , F Sime
Chandra Sumi	PhD, UQ	Optimization of alternative antibiotic dosing regimens for maximal antibacterial activity and suppression of emergence of resistance	Jason Roberts , F Sime
Christopher Anstey	PhD UQ	Extramitochondrial metabolism of citrate metabolism in the critically ill	B Venkatesh, Jason Roberts
Hajar Alasmari	PhD, Queensland University of Technology (2012-2017)	Examining Intensive Care Nurses' Clinical decision-making associated with acute kidney injury and continuous renal replacement therapy in Saudi Arabia	Prof Ann Bonner, Prof Fiona Coyer
Sonia Hines	PhD, ueensland University of Technology	An educational intervention to improve nurses' research literacy	Prof Joe Ramsbotham, Prof Fiona Coyer
Sandra Johnston	PhD, ueensland University of Technology (2013-2020)	Effectiveness of high fidelity simulation as a teaching tool in undergraduate nursing education	Prof Fiona Coyer , Prof Robyn Nash
Samantha Yeates	Masters of Applied Science (Research), Queensland University of Technology(2017 only – withdrew)	Exploring tissue perfusion and healing trajectory of medical-device related pressure injuries	Prof Fiona Coyer , Kathleen Finlayson, Jill Campbell
Lizanne Dagleish	PhD, ueensland University of Technology (2017-2020)	The role of microcirculatory dysfunction and skin breakdown in the critically ill.	Prof Fiona Coyer , Dr Jill Campbell , Dr Kathy Finlayson, Prof Andra VanZundert
Adrianna Hada	PhD, ueensland University of Technology (2015-2021)	Transforming patient outcomes through improved and effective nursing clinical handover	Prof Fiona Coyer , Dr Leanne Jack
Paul Jarrett	PhD, ueensland University of Technology (2015-2021)	Administration of antibiotics in the intensive care unit	Prof Fiona Coyer , Assoc Prof Martin Christensen, Prof Jason Roberts
Priscilla Pather	Masters of Applied Science (Research), Queensland University of Technology (2014-2017)	The incidence and measurement of incontinence associated dermatitis in the intensive care environment	Prof Fiona Coyer , Dr Leanne Jack
Hannauh Rheault	Doctor Health Science, Queensland University of Technology (2014-2019)	Examining the health literacy and chronic disease self-management of remote Aboriginal Australians: A mixed method study	Prof Ann Bonner, Prof Fiona Coyer

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Leanne Stone	Doctor Health Science, Queensland University of Technology (2014-2019)	Comparing “Magnet” attributes in nursing between Australia and the United States	Prof Alexandra McCarthy, Prof Fiona Coyer
Bryan Gregory	Masters of Applied Science (Research), Queensland University of Technology (2016-2019)	The effects of continuous renal replacement therapy and sustained low-efficiency dialysis on immunosuppressive drug levels in critically ill patients with acute kidney injury	Prof Fiona Coyer , Prof Jason Roberts, Prof Ann Bonner
Jessica Ingleman	Masters of Applied Science (Research), Queensland University of Technology (2016-2019)	Exploring tissue reperfusion in two body positions and varied load periods in critically ill patients (EXTREME 2 pressure study)	Prof Fiona Coyer , Dr Christina Parker
David McIntyre	Masters of Applied Science (Research), Queensland University of Technology (2016-2019)	Developing and validating haemodialysis nurse-sensitive indicators	Prof Ann Bonner , Prof Fiona Coyer

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Jason Roberts	NHMRC Practitioner Fellowship		UQ (2009- current)
Jeffrey Lipman	Conjoint		UQ (1999 - current)
Karen Ousey	Adjunct Associate Professor	Skin perfusion and microcirculation in critically ill patients	QUT (2015-2017)
Jessica Ingleman	Project Manager	The effect of time spent in a position on critically ill patient’s skin: the EXTREME pressure 2 study. Extreme pressure study: exploring pressures, tissue reperfusion and body positioning – a pilot evaluation among critically ill patients.	QUT (2014-2018)
Jane-Louise Cook	Project Manager	Efficacy of nasogastric and endotracheal tube securement devices, preventative dressings and topical skin applications for reducing device-related pressure injuries in intensive care patients; the REMEDy study, a randomised controlled trial. Translating evidenced-based pressure injury prevention into the intensive care environment: the SUSTAIN trial	QUT (2014-2018)
Anna Doubrovsky	Project Manager	Efficacy of Incontinence-Associated Dermatitis interventions for critically ill patients in intensive care; the Distinct pilot randomised control trial.	QUT (2016-2018)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Os Cotta	Os Cotta/Jason Roberts/ Jeffrey Lipman	Benzylpenicillin HREC/15/QRBW/31 Optimising benzylpenicillin dosing for critically ill patients with severe pneumonia
Jeffrey Lipman/Joel Dulhunty/Jason Roberts/O Cotta	Jeffrey Lipman/ Marianne Kirrane	BLING III A phase III randomised controlled trial of continuous beta-lactam infusion compared with intermittent beta-lactam dosing in critically ill patients
Os Cotta/ Jason Roberts	Jeffrey Lipman/ Jayesh Dhanani	Ceftriaxone HREC/16/QRBW/101 Optimising ceftriaxone dosing for critically ill patients with severe pneumonia
Jason Roberts	Jeffrey Lipman	Ceftolozane/Tazobactam HREC/16/QRBW/211 An Observational Pharmacokinetic study of Ceftolozane-Tazobactam in Intensive Care Unit in patients with and without continuous renal replacement therapy.
Jason Roberts	Jeffrey Lipman	Ceftolozane/Tazobactam HREC/17/QRBW/117 "A prospective observational pharmacokinetic evaluation of the plasma and cerebrospinal fluid concentrations of a single dose ceftolozane/tazobactam in infected critically ill patients with an indwelling external ventricular drain
Michael Reade	Anthony Holley/Renae Deans	CLIP HREC/13/QRBW/3 CLIP Cryopreserved vs. Liquid Platelets for Surgical Bleeding A pilot multicentre blinded randomised controlled clinical trial of cryopreserved platelets vs. conventional liquid-stored platelets for the management of post-surgical bleeding.
Judith Bellapart	Judith Bellapart	The prognostication value of plasma Endothelin-1 in sub arachnoid Haemorrhage ENDO 2 HREC/14/QRBW/4
Steve O'Donoghue	Steve O'Donoghue/Jason Pincus/George Pang	HREC/16/QRBW/263 GUPPIE An Observational Study to assess aspiration risk using gastric ultrasound in ventilated ICU patients prior to extubation
Os Cotta	Jeffrey Lipman	LEVETY HREC/16/QRBW/154 Levetiracetam pharmacokinetics in critically ill patients with severe traumatic brain injury and subarachnoid haemorrhage
Anthony Holley	Anthony Holley	Microscan HREC/08/QRBW/112 Assessment of the Microcirculation in Shocked Critically Unwell Patients during the First 24 hours of Resuscitation
Steve Wallis/Jeffrey Lipman/Parker	Jeffrey Lipman	Micro sampling HREC/15/QRBW/249 Validation of Microsampling versus Traditional Blood Sampling for Antibiotic Pharmacokinetics
Nilesh Kumta/ Jason Roberts	Jeffrey Lipman	OASES EVD sampling for antibiotics HREC/16/QRBW/157 The Pharmacokinetics of Ceftriaxone, Meropenem, Piperacillin-Tazobactam and Vancomycin in the Cerebrospinal Fluid of Critically Ill Patients with Uninflamed Meninges
MSD/Jason Roberts	Jeffrey Lipman	Posaconazole(HREC/16/QRBW/377) Single dose population pharmacokinetics of intravenous posaconazole in critically ill patients
Kerina Denny	Jeffrey Lipman / Kerina Denny	RESIST HREC/15/QRBW/28 Recognising Sepsis in SIRS Trial (RESIST)
Claire Roger/ Jason Roberts	Jeffrey Lipman / Jason Roberts	SAFE -ICU (HREC/16/QRBW/292) Screening Anti-Fungal Exposure in Intensive Care Units The SAFE-ICU Study An international, multi-centre prospective pharmacokinetic evaluation of antifungal drug exposure in intensive care unit patients receiving conventional dosing regimens

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Jeremy Cohen	Jeremy Cohen	A Comparison of the Total and Free Cortisol Response to a Standard Short Synacthen Test in Patients with Traumatic Brain Injury TBI Study HREC/14/QRBW/7
Gladness Nethathe	Gladness Nethathe	The free cortisol response to synacthen and other aspects of endocrine physiology in healthy participants

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Jeremy Cohen/ Jeffrey Lipman	Jeremy Cohen/Jeffrey Lipman	ADjunctive coRticosteroid trEatment iN criticAlly ill patients with septic shock ADRENAL HREC/11/QPAH/619
Andrew Udy /Jason Roberts	Jeffrey Lipman /Jason Roberts	ADP Trauma HREC/15/QRBW/14 A randomised controlled clinical trial of Augmented Dosing of Piperacillin-tazobactam in TRAUMA patients with suspected or confirmed infection
Claire Roger	Jason Roberts	AMIINO III HREC/16/QRBW/205 An international survey on aminoglycoside practices in critically ill patients: AMINO III survey
Asahi Kasei Pharma America Corp	John Gowardman/ Jeffrey Lipman	ARTISAN 123 HREC/13/QRBW/14 A randomized, double-blind, placebo-controlled, phase 3 study to assess the safety and efficiency of ART-123 in subjects with severe sepsis and coagulopathy
David Paterson/S Schlebusch	Jeffrey Lipman / David Paterson	Assessing the effects of antibiotic choice on gut microbiota of ICU pts - a metagenomic approach HREC/16/QRBW/463
K Ho	Anthony Holley/ Jeffrey Lipman	Da-Vinci HREC/15/QRBW/437 Detailed assessment of risks and benefits of inferior vena cava filters on patients with complicated injuries (the da Vinci Trial)
ESCIMD	Os Cotta/ Cheryl Fourie	DetermInants of Antimicrobial use aNd de-escalAtion in critical care (DIANA study)
J Winearls	DEM/ICU	Fibrinogen Concentrate vs. Cryoprecipitate in Traumatic Haemorrhage: A Pilot Randomised Controlled Trial FEISy
Monash University	Michael Reade	Pre-hospital Anti-fibrinolytics for Traumatic Coagulopathy and Haemorrhage (The PATCH Study) A multi-centre randomised, double-blind, placebo-controlled trial of pre-hospital treatment with tranexamic acid for severely injured patients at risk of acute traumatic coagulopathy. Patch Trauma HREC/14/QRBW/501
The George Institute	Jeffrey Lipman	A multi-centre, blinded, randomised, controlled trial (RCT) to determine whether fluid resuscitation and therapy with a “balanced” crystalloid solution (Plasma-Lyte 148®) decreases 90-day mortality in critically ill patients requiring fluid resuscitation when compared to the same treatment with 0.9% sodium chloride (saline) PLUS (HREC/16/HAWKE/126)

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Despoina Koulenti UQ	Jeffrey Lipman	Pneumo-INSPIRE HREC/15/QRBW/35 International Study on Nosocomial Pneumonia in Intensive Care: An international multi-centre prospective observational cohort study of nosocomial pneumonia in intensive care units
Andrew Udy/ Jeremy Cohen	Jeremy Cohen	PROMOTE-aSAH (HERC/16/QRBW/204) A prospective multicentre observational study of aneurysmal subarachnoid haemorrhage in Australasian intensive care The PROMOTE-SA Study
R Panwar	Steve O'Donoghue	REACT-SHOCK HREC/13/HNE/263 Relative hypotension and acute kidney injury in patients with shock: a prospective multicentre cohort study.
Monash University	Steve O'Donoghue/ Michael Reade	SPICE III HREC/12/AUSTIN/108 Early Goal Directed Sedation vs. Standard Care Sedation Practices in Intensive Care Evaluation: SPICE III: A Prospective Multicentre Randomised Controlled Trial of Early Goal Directed Sedation Compared with Standard Care in Mechanically Ventilated Patients in Intensive Care
Sunshine Coast University Hospital	Michael Reade	ALL SPICE (HREC/16/QPCH/141) Allostasis and Sedation Practices in Intensive Care Evaluation (All-SPICE)
Monash University	Jeffrey Lipman	TARGET (HREC/14/RAH/565) TARGET NUTRITION STUDY -The Augmented versus Routine approach to Giving Energy Trial: A randomised controlled trial
W Thomas/ Jeffrey Lipman The University of Qld	Jeffrey Lipman	TASTE HREC/15/QRBW/372 A Potential Taste Receptor Association with Myocardial Depression Susceptibility in Treated sEpsis
A Charleton NSW Health	Neil Widdicombe	Validation of a 10 minute spontaneous breathing trial to predict time to circulatory death in organ donation candidates
Erasmee University Hospital Belgium	Cheryl Fourie/ Jeffrey Lipman	EPPICS III Point Prevalence review
Jennifer Paratz (GU)	Comans T, Geoff Mitchell Robert Boots (Intensive Care Services) Prof Fiona Coyer (Intensive Care Services) Peter Thomas (Physiotherapy)	Improving outcome in sepsis
Neha Kumta (UQ)	Prof Fiona Coyer (Intensive Care Services) Lizanne Dalgleish	Audit of peri-operative factors associated with pressure injury development in post-surgical ICU patients – (PREDICT)
Fiona Coyer	Amanda Vann , Jane-Louise Cook Nicola Barker-Gregory	Efficacy of nasogastric and endotracheal tube securement devices, preventative dressings and topical skin applications for reducing device-related pressure injuries in intensive care patients; the REMEDy study, a pilot randomised controlled trial.
Fiona Coyer	Anthony Holley Peter Thomas Christina Parker Anna Doubrovsky Chris Edwards Jessica Ingleman	The effect of time spent in a position on critically ill patient's skin: the EXTREME pressure 2 study.
Fiona Coyer	Jill Campbell Amanda Vann Greg McNamara Jane-Louise Cook	Translating evidenced-based pressure injury prevention into the intensive care environment; the SUSTAIN study.

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Fiona Coyer	Jill CampbellAnna Doubrovsky	Efficacy of incontinence-associated dermatitis interventions for critically ill patients in intensive care; the Distinct pilot randomised control trial
Fiona Coyer	Kerri Coleman Alison Mudge Helen Edwards Patricia Sinasac Kathleen Finlayson C ParkerJessica Schluter	Reducing the prevalence and severity of wounds through implementation of the Champions for Skin Integrity Model – Protecting Skin Integrity (PSI)
Fiona Coyer	Anne Gardner Glenn Gardner Helen Gosby	Educating for health service reform: clinical learning, governance, and capability
Anna Grant	Fiona Coyer	Contextual barriers and facilitators to research utilisation and evidence based practice in intensive care – The COFACTOR Study
Veeranjit Singh	Prof Fiona Coyer Johnathan Collins	Audit of pressure injury development in critically ill patients with C-spine precautions – (InSPECT)

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
J Lipman	Research Ambassador RBWH	RBWH Research Symposium
J Lipman	Researcher of the Year 2017	
M Reade	DMedSc Doctor of Medical Science, University of Sydney, Australia	
M Reade	FCCM Fellow, American College of Critical Care Medicine	
M Reade	Multiple Tour Indicator '3' to the Australian Operational Service Medal (Greater Middle East Area of Operations)	
M Reade	25 year clasp to the Australian Defence Long Service Medal	
Fiona Coyer	EPUAP and 3M Pressure Ulcer Prevention Innovation conference presentation award	European Pressure Ulcer Advisory Panel conference Belfast, September 2017

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Nilesh Kumta	RBWH Intensive Care Services/ The University of Qld	OACES	Intensive Care Foundation	\$35000	2017
Jeffrey Lipman/ Joel Dulhunty/ Jason Roberts/ Os Cotta	RBWH Intensive Care Services	BLING III	NHMRC	\$3.2 M	2017-2021
Paterson D, Jason Roberts, Jeffrey Lipman , Harris P, Whiley D, Beatson S, Schembri M	RBWH Intensive Care Services	Illumina MiniSeq instrument (plus reagents / Nextera XT DNA Library preparing kits) and computing upgrade	Faculty of Medicine's Research Equipment and Infrastructure Investment scheme	\$84,950	2017-2018
Eisen D, McEwen P, Jason Roberts , Wallis S, Mulvey P	RBWH Intensive Care Services	Measuring aspirin penetration into synovial fluid to assess its potential for prevention of prosthetic joint infection	Townsville Hospital and Health Service FOR RESEARCH GRANT FUNDING	\$39,450	2018
Tängdén, T, Huttner A, Brüggemann R, Giske C, Jason Roberts	RBWH Intensive Care Services	SHORT duration, TDM-guided therapy in hospitalised patients to prevent Emergence of Resistance	JPI-EC-AMR Joint Transnational Call	€ 900 000	
Liu D, Jason Roberts	RBWH Intensive Care Services	Pharmacokinetics of transdermal nicotine replacement therapy patches in critically ill patients with hepatic failure	Avant Mutual Group Ltd Avant Doctor in Training Research Scholarship Grant: Advancement in Medicine category	\$12,500	2017-2018
Kumta N, Cheryl Fourie, Jeffrey Lipman, Jason Roberts , Cotta MO	RBWH Intensive Care Services	Optimising antibiotic CSF exposures for the treatment of central nervous system infections	RBWH & RBWH Foundation	\$5000	2018
Kumta N, Jeffrey Lipman, Jason Roberts , Joynt G, Wong W-T, Cotta MO	RBWH Intensive Care Services	Optimising Antibiotic CSF Exposures for the Treatment of Central Nervous Sytem Infections	Intensive Care Foundation	\$35,000	2018
J , Parker S, Dorofaeff T	RBWH Intensive Care Services	Advanced treatment of infectious diseases for critically ill children, through innovation in blood sampling	2018 Children's Hospital Foundation Preclinical and Clinical Research Grant RPC04918	\$295,445	2018

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Jeremy Cohen , Liu D, Jason Roberts , Amelia Livermore , Reza N, Udy A.	RBWH Intensive Care Services	Plasma nicotine concentrations in critically ill patients receiving transdermal nicotine replacement therapy (nrt)	Intensive Care Foundation	\$40,000	2018
Scuderi C, John G, Parker S, Healy H, Staatz C, Jason Roberts	RBWH Intensive Care Services	Innovative blood sampling to reduce the burden of long-term treatment for kidney transplant recipients	RBWH & RBWH Foundation	\$40,000	2018
Jason Roberts	RBWH Intensive Care Services	Assay development for therapeutic drug monitoring of ceftolozane-tazobactam	Merck, Sharpe & Dohme	\$12,100	2017-2018
Jason Roberts	RBWH Intensive Care Services	Lipopeptide antibiotics for XDR Gram-negative infections	Blaskovich M, Cooper M, Hansford K, Roberts JA, Paterson DL	\$994,897.15	2018-20
Fiona Coyer , Jane-Louise Cook, Amanda Vann , Nicola Barker-Gregory	Intensive Care Services Department	Efficacy of nasogastric and endotracheal tube securement devices, preventative dressings and topical skin applications for reducing device-related pressure injuries in intensive care patients; the REMEDy study, a pilot randomised controlled trial.	Wound Management Innovation Centre for Research Collaboration	\$51,509	\$299,000 (2015-2018)
Fiona Coyer , Edwards H, Coleman K, Sinasac P, Finlayson K, Parker C, Schluter J, Mudge A.	Intensive Care Services Department	Reducing the prevalence and severity of wounds through implementation of the Champions for Skin Integrity Model – Protecting Skin Integrity (PSI).	Health Innovation, Investment and Research Office (HIRRO), Queensland Health.	\$120,000	\$120,000 (2017)
Fiona Coyer , Campbell J , Doubrovsky, A.	Intensive Care Services Department	Efficacy of Incontinence-Associated Dermatitis interventions for critically ill patients in intensive care; the Distinct pilot randomised control trial.		\$158,562	\$158,562 (2017-2018)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Udy AA, Jarrett P, Lassig-Smith M, Stuart J, Starr T , Dunlop R, Deans R, Roberts JA , Senthuran S, Boots R, Bisht K, Bulmer AC, Lipman J. Augmented Renal Clearance in Traumatic Brain Injury: A Single-Center Observational Study of Atrial Natriuretic Peptide, Cardiac Output, and Creatinine Clearance. <i>J Neurotrauma</i> . 2017 Jan 1;34(1):137-144.
Journal Article	Sime FB, Johnson A, Whalley S, Santoyo-Castelazo A, Montgomery AB, Walters KA, Lipman J , Hope WW, Roberts JA . Pharmacodynamics of aerosolized fosfomycin and amikacin against resistant clinical isolates of <i>Pseudomonas aeruginosa</i> and <i>Klebsiella pneumoniae</i> in a hollow-fiber infection model: Experimental Basis for Combination Therapy. <i>Antimicrob Agents Chemother</i> . 2016 Dec 27;61(1).
Journal Article	Abdul-Aziz MH, Lipman J, Roberts JA . Antibiotic dosing for multidrug-resistant pathogen pneumonia. <i>Curr Opin Infect Dis</i> . 2017 Apr;30(2):231-239.
Journal Article	Roger C, Wallis SC, Muller L, Saissi G, Lipman J , Brüggemann RJ, Lefrant JY, Roberts JA . Caspofungin Population Pharmacokinetics in Critically Ill Patients Undergoing Continuous Veno-Venous Haemofiltration or Haemodiafiltration. <i>Clin Pharmacokinet</i> . 2017 Sep;56(9):1057-1068.
Journal Article	Pretorius CJ, Reade MC , Warnholtz C, McWhinney B, Phua MM, Lipman J, Ungerer JPJ. Pyroglutamate (5-oxoproline) measured with hydrophilic interaction chromatography (HILIC) tandem mass spectrometry in acutely ill patients. <i>Clin Chim Acta</i> . 2017 Mar;466:72-77.
Journal Article	Roberts JA , Kumar A, Lipman J . Right Dose, Right Now: Customized Drug Dosing in the Critically Ill. <i>Crit Care Med</i> . 2017 Feb;45(2):331-336.
Journal Article	Silbert BI, Ho KM, Lipman J, Roberts JA , Corcoran TB, Morgan DJ, Pavey W, Mas E, Barden AE, Mori TA. Does Furosemide Increase Oxidative Stress in Acute Kidney Injury? <i>Antioxid Redox Signal</i> . 2017 Feb 10;26(5):221-226.
Journal Article	Kollef MH, Bassetti M, Francois B, Burnham J, Dimopoulos G, Garnacho-Montero J, Lipman J , Luyt CE, Nicolau DP, Postma MJ, Torres A, Welte T, Wunderink RG. The intensive care medicine research agenda on multidrug-resistant bacteria, antibiotics, and stewardship. <i>Intensive Care Med</i> . 2017 Sep;43(9):1187-1197.
Journal Article	Winearls J, Campbell D, Hurn C, Furyk J, Ryan G, Trout M, Walsham J, Holley A , Shuttleworth M, Dyer W, Keijzers G, Presneill J, Fraser JF, Wulschleger M. Fibrinogen in traumatic haemorrhage: A narrative review. <i>Injury</i> . 2017 Feb;48(2):230-242.
Journal Article	Alobaid AS, Wallis SC, Jarrett P, Starr T, Stuart J, Lassig-Smith M , Mejia JL, Roberts MS, Roger C, Udy AA, Lipman J, Roberts JA . Population Pharmacokinetics of Piperacillin in Nonobese, Obese, and Morbidly Obese Critically Ill Patients. <i>Antimicrob Agents Chemother</i> . 2017 Feb 23;61(3).
Journal Article	Paruk F, Sime FB, Lipman J, Roberts JA . Dosing antibiotic prophylaxis during cardiopulmonary bypass-a higher level of complexity? A structured review. <i>Int J Antimicrob Agents</i> . 2017 Apr;49(4):395-402.
Journal Article	Solé-Lleonart C, Rouby JJ, Blot S, Poulakou G, Chastre J, Palmer LB, Bassetti M, Luyt CE, Pereira JM, Riera J, Felton T, Dhanani J , Welte T, Garcia-Alamino JM, Roberts JA , Rello J. Nebulization of Antiinfective Agents in Invasively Mechanically Ventilated Adults: A Systematic Review and Meta-analysis. <i>Anesthesiology</i> . 2017 May;126(5):890-908.
Journal Article	Williams JM, Greenslade JH, McKenzie JV, Chu K, Brown AFT, Lipman J . Systemic Inflammatory Response Syndrome, Quick Sequential Organ Function Assessment, and Organ Dysfunction: Insights From a Prospective Database of ED Patients With Infection. <i>Chest</i> . 2017 Mar;151(3):586-596.
Journal Article	Udy AA, Dulhunty JM, Roberts JA , Davis JS, Webb SAR, Bellomo R, Gomersall C, Shirwadkar C, Eastwood GM, Myburgh J, Paterson DL, Starr T , Paul SK, Lipman J . BLING-II Investigators; ANZICS Clinical Trials Group. Association between augmented renal clearance and clinical outcomes in patients receiving β -lactam antibiotic therapy by continuous or intermittent infusion: a nested cohort study of the BLING-II randomised, placebo-controlled, clinical trial. <i>Int J Antimicrob Agents</i> . 2017 May;49(5):624-630.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Economou CJP, Wong G, McWhinney B, Ungerer JPI, Lipman J, Roberts JA . Impact of β -lactam antibiotic therapeutic drug monitoring on dose adjustments in critically ill patients undergoing continuous renal replacement therapy. <i>Int J Antimicrob Agents</i> . 2017 May;49(5):589-594.
Journal Article	Holley A , Cook A, Lipman J . Burn Patients and Blood Product Transfusion Practice: Time for a Consensus? Annual Update in Intensive Care and Emergency Medicine 2017 pp 359-371.
Journal Article	Roberts JA , Lefrant JY, Lipman J . What's new in pharmacokinetics of antimicrobials in AKI and RRT? <i>Intensive Care Med</i> . 2017 Jun;43(6):904-906.
Journal Article	de Prost N, Lipman J , Mimoz O. Therapeutic targets in necrotizing soft tissue infections. <i>Intensive Care Med</i> . 2017 Nov;43(11):1717-1719.
Journal Article	Bergen PJ, Bulitta JB, Kirkpatrick CMJ, Rogers KE, McGregor MJ, Wallis SC, Paterson DL, Nation RL, Lipman J, Roberts JA , Landersdorfer CB. Substantial Impact of Altered Pharmacokinetics in Critically Ill Patients on the Antibacterial Effects of Meropenem Evaluated via the Dynamic Hollow-Fiber Infection Model. <i>Antimicrob Agents Chemother</i> . 2017 Apr 24;61(5).
Journal Article	Naik BI, Roger C, Ikeda K, Todorovic MS, Wallis SC, Lipman J, Roberts JA . Comparative total and unbound pharmacokinetics of ceftazidime administered by bolus versus continuous infusion in patients undergoing major surgery: a randomized controlled trial. <i>Br J Anaesth</i> . 2017 Jun 1;118(6):876-882.
Journal Article	Druery M , Newcombe PA, Cameron CM, Lipman J . Factors influencing psychological, social and health outcomes after major burn injuries in adults: cohort study protocol. <i>BMJ Open</i> . 2017 Jun 17;7(6):e017545. doi: 10.1136/bmjopen-2017-017545.
Journal Article	Parker SL, Guerra Valero YC, Roberts DM, Lipman J, Roberts JA , Wallis SC. Determination of Cefalothin and Cefazolin in Human Plasma, Urine and Peritoneal Dialysate by UHPLC-MS/MS: application to a pilot pharmacokinetic study in humans. <i>Biomed Chromatogr</i> . 2016 Jun;30(6):872-9.
Journal Article	Badenes R, Oddo M, Suarez JI, Antonelli M, Lipman J , Citerio G, Taccone FS. Hemoglobin concentrations and RBC transfusion thresholds in patients with acute brain injury: an international survey. <i>Crit Care</i> . 2017 Jun 17;21(1):159.
Journal Article	Sulaiman H, Abdul-Aziz MH, Roberts JA . Pharmacokinetic/Pharmacodynamics-Optimized Antimicrobial Therapy in Patients with Hospital-Acquired Pneumonia/Ventilator-Associated Pneumonia. <i>Semin Respir Crit Care Med</i> . 2017 Jun;38(3):271-286.
Journal Article	Tängdén T, Ramos Martín V, Felton TW, Nielsen EI, Marchand S, Brüggemann RJ, Bulitta JB, Bassetti M, Theuretzbacher U, Tsuji BT, Wareham DW, Friberg LE, De Waele JJ, Tam VH, Roberts JA ; Infection Section for the European Society of Intensive Care Medicine, the Pharmacokinetics and Pharmacodynamics Study Group of the European Society of Clinical Microbiology and Infectious Diseases, the International Society of Anti-Infective Pharmacology and the Critically Ill Patients Study Group of European Society of Clinical Microbiology and Infectious Diseases. The role of infection models and PK/PD modelling for optimising care of critically ill patients with severe infections. <i>Intensive Care Med</i> . 2017 Jul;43(7):1021-1032.
Journal Article	PRISM Investigators, Rowan KM, Angus DC, Bailey M, Barnato AE, Bellomo R, Canter RR, Coats TJ, Delaney A, Gimbel E, Grieve RD, Harrison DA, Higgins AM, Howe B, Huang DT, Kellum JA, Mouncey PR, Music E, Peake SL, Pike F, Reade MC , Sadique MZ, Singer M, Yealy DM. Early, Goal-Directed Therapy for Septic Shock - A Patient-Level Meta-Analysis. <i>N Engl J Med</i> . 2017 Jun 8;376(23):2223-2234.
Journal Article	Flint A, Aubron C, Bailey M, Bellomo R, Pilcher D, Cheng AC, Hegarty C, Reade MC , McQuilten Z. Duration of platelet storage and outcomes of critically ill patients. <i>Transfusion</i> . 2017 Mar;57(3):599-605.
Journal Article	Aubron C, Flint AW, Bailey M, Pilcher D, Cheng AC, Hegarty C, Martinelli A, Reade MC , Bellomo R, McQuilten Z. Is platelet transfusion associated with hospital-acquired infections in critically ill patients? <i>Crit Care</i> . 2017 Jan 6;21(1):2. doi: 10.1186/s13054-016-1593-x.
Journal Article	Jones D, Hodgson CL, Shehabi Y, Reade MC . Reducing confusion about post-cardiotomy delirium. <i>Crit Care Resusc</i> . 2017 Mar;19(1):5-8.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Winearls J, Reade M , Miles H, Bulmer A, Campbell D, Görlinger K, Fraser JF. Targeted Coagulation Management in Severe Trauma: The Controversies and the Evidence. <i>Anesth Analg</i> . 2016 Oct;123(4):910-24.
Journal Article	Reade MC . Dexmedetomidine: what next? <i>Ann Transl Med</i> . 2016 Jun;4(12):247. doi: 10.21037/atm.2016.06.10.
Journal Article	Reade MC . Low dose dexmedetomidine for the prophylaxis of perioperative ICU delirium-how much evidence is enough? <i>J Thorac Dis</i> . 2016 Nov;8(11):3020-3023.
Journal Article	Udy AA, Schweikert S, Anstey J, Anstey M, Cohen J , Flower O, Saxby E, Poll AV, Delaney A. Critical care management of aneurysmal subarachnoid haemorrhage in Australia and New Zealand: what are we doing, and where to from here? <i>Crit Care Resusc</i> . 2017 Jun;19(2):103-109.
Journal Article	Reade MC , Bass F, Howe B, Seppelt I, Shehabi Y. Considerations for co-enrolment in randomised controlled effectiveness trials in critical care: the SPICE-8 co-enrolment guidelines. <i>Crit Care Resusc</i> . 2017 Jun;19(2):110-114.
Journal Article	Billot L, Venkatesh B, Myburgh J, Finfer S, Cohen J , Webb S, McArthur C, Joyce C, Bellomo R, Rhodes A, Perner A, Arabi Y, Rajbhandari D, Glass P, Thompson K, Correa M, Harward M. Statistical analysis plan for the Adjunctive Corticosteroid Treatment in Critically Ill Patients with Septic Shock (ADRENAL) trial. <i>Crit Care Resusc</i> . 2017 Jun;19(2):183-191.
Journal Article	Rello J, Solé-Lleonart C, Rouby JJ, Chastre J, Blot S, Poulakou G, Luyt CE, Riera J, Palmer LB, Pereira JM, Felton T, Dhanani J , Bassetti M, Welte T, Roberts JA . Use of nebulized antimicrobials for the treatment of respiratory infections in invasively mechanically ventilated adults: a position paper from the European Society of Clinical Microbiology and Infectious Diseases. <i>Clin Microbiol Infect</i> . 2017 Sep; 23(9):629-639.
Journal Article	Parker SL, Guerra Valero YC, Lipman J , Weiss S, Smith C, Russell L, Smith P, Roberts JA , Wallis SC. A validated UHPLC-MS/MS method for the measurement of riluzole in plasma and myocardial tissue samples. <i>Biomed Chromatogr</i> . 2017 Dec;31(12). doi: 10.1002/bmc.4030..
Journal Article	Gatica-Andrades M, Vagenas D, Kling J, Nguyen TTK, Benham H, Thomas R, Körner H, Venkatesh B, Cohen J , Blumenthal A. WNT ligands contribute to the immune response during septic shock and amplify endotoxemia-driven inflammation in mice. <i>Blood Adv</i> . 2017 Jul 10;1(16):1274-1286.
Journal Article	Ho KM, Rao S, Honeybul S, Zellweger R, Wibrow B, Lipman J , Holley A , Kop A, Geelhoed E, Corcoran T. Detailed assessment of benefits and risks of retrievable inferior vena cava filters on patients with complicated injuries: the da Vinci multicentre randomised controlled trial study protocol. <i>BMJ Open</i> . 2017 Jul 12;7(7):e016747.
Journal Article	Xie J, Roberts JA , Alobaid AS, Roger C, Wang Y, Yang Q, Sun J, Dong H, Wang X, Xing J, Lipman J , Dong Y. Population Pharmacokinetics of Tigecycline in Critically Ill Patients with Severe Infections. <i>Antimicrob Agents Chemother</i> . 2017 Jul 25;61(8). pii: e00345-17. doi: 10.1128/AAC.00345-17.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Sartelli M, Labricciosa FM, Barbadoro P, Pagani L, Ansaloni L, Brink AJ, Carlet J, Khanna A, Chichom-Mefire A, Coccolini F, Di Saverio S, May AK, Viale P, Watkins RR, Scudeller L, Abbo LM, Abu-Zidan FM, Adesunkanmi AK, Al-Dahir S, Al-Hasan MN, Alis H, Alves C, Araujo da Silva AR, Augustin G, Bala M, Barie PS, Beltrán MA, Bhangu A, Bouchra B, Brecher SM, Caínzos MA, Camacho-Ortiz A, Catani M, Chandy SJ, Jusoh AC, Cherry-Bukowiec JR, Chiara O, Colak E, Cornely OA, Cui Y, Demetrashvili Z, De Simone B, De Waele JJ, Dhingra S, Di Marzo F, Dogjani A, Dorj G, Dortet L, Duane TM, Elmangory MM, Enani MA, Ferrada P, Esteban Foianini J, Gachabayov M, Gandhi C, Ghnnam WM, Giamarellou H, Gkiokas G, Gomi H, Goranovic T, Griffiths EA, Guerra Gronerth RI, Haidamus Monteiro JC, Hardcastle TC, Hecker A, Hodonou AM, Ioannidis O, Isik A, Iskandar KA, Kafil HS, Kanj SS, Kaplan LJ, Kapoor G, Karamarkovic AR, Kenig J, Kerschaefer I, Khamis F, Khokha V, Kiguba R, Kim HB, Ko WC, Koike K, Kozlovskaya I, Kumar A, Lagunes L, Latifi R, Lee JG, Lee YR, Leppäniemi A, Li Y, Liang SY, Lowman W, Machain GM, Maegele M, Major P, Malama S, Manzano-Nunez R, Marinis A, Martinez Casas I, Marwah S, Maseda E, McFarlane ME, Memish Z, Mertz D, Mesina C, Mishra SK, Moore EE, Munyika A, Mylonakis E, Napolitano L, Negoï I, Nestorovic MD, Nicolau DP, Omari AH, Ordonez CA, Paiva JA, Pant ND, Parreira JG, Pędziwiatr M, Pereira BM, Ponce-de-Leon A, Poulakou G, Preller J, Pulcini C, Pupelis G, Quiodettis M, Rawson TM, Reis T, Rems M, Rizoli S, Roberts J , Pereira NR, Rodríguez-Baño J, Sakakushev B, Sanders J, Santos N, Sato N, Sawyer RG, Scarpellini S, Scoccia L, Shafiq N, Shelat V, Sifri CD, Siribumrungwong B, Søreide K, Soto R, de Souza HP, Talving P, Trung NT, Tessier JM, Tumbarello M, Ulrych J, Uranues S, Van Goor H, Vereczkei A, Wagenlehner F, Xiao Y, Yuan KC, Wechsler-Fördös A, Zahar JR, Zakrisson TL, Zuckerbraun B, Zuidema WP, Catena F. The Global Alliance for Infections in Surgery: defining a model for antimicrobial stewardship-results from an international cross-sectional survey. <i>World J Emerg Surg.</i> 2017 Aug 1;12:34. doi: 10.1186/s13017-017-0145-2. eCollection 2017.
Journal article	Harris PNA, McNamara JF, Lye DC, Davis JS, Bernard L, Cheng AC, Doi Y, Fowler VG Jr, Kaye KS, Leibovici L, Lipman J , Llewelyn MJ, Munoz-Price S, Paul M, Peleg AY, Rodríguez-Baño J, Rogers BA, Seifert H, Thamlikitkul V, Thwaites G, Tong SYC, Turnidge J, Utili R, Webb SAR, Paterson DL25. Proposed primary endpoints for use in clinical trials that compare treatment options for bloodstream infection in adults: a consensus definition. <i>Clin Microbiol Infect.</i> 2017 Aug;23(8):533-541.
Journal article	Kumta N, Roberts JA , Lipman J , Cotta MO. Antibiotic Distribution into Cerebrospinal Fluid: Can Dosing Safely Account for Drug and Disease Factors in the Treatment of Ventriculostomy-Associated Infections? <i>Clin Pharmacokinet.</i> 2017 Sep 13. doi: 10.1007/s40262-017-0588-3. In Press
Journal article	Parker SL, Guerra Valero YC, Ordóñez Mejía JL, Roger C, Lipman J , Roberts JA , Wallis SC. An LC-MS/MS method to determine vancomycin in plasma (total and unbound), urine and renal replacement therapy effluent. <i>Bioanalysis.</i> 2017 Jun;9(12):911-924.
Journal article	Vellinga NAR, Boerma EC, Koopmans M, Donati A, Dubin A, Shapiro NI, Pearse RM, van der Voort PHJ, Dondorp AM, Bafi T, Fries M, Akarsu-Ayazoglu T, Pranskunas A, Hollenberg S, Balestra G, van Iterson M, Sadaka F, Minto G, Aypar U, Hurtado FJ, Martinelli G, Payen D, van Haren F, Holley A , Gomez H, Mehta RL, Rodriguez AH, Ruiz C, Canales HS, Duranteau J, Spronk PE, Jhanji S, Hubble S, Chierago M, Jung C, Martin D, Sorbara C, Bakker J, Ince C; microSOAP study group. Mildly elevated lactate levels are associated with microcirculatory flow abnormalities and increased mortality: a microSOAP post hoc analysis. <i>Crit Care.</i> 2017 Oct 18;21(1):255. doi: 10.1186/s13054-017-1842-7.
Journal article	Sime FB, Hahn U, Warner MS, Tiong IS, Roberts MS, Lipman J , Peake SL, Roberts JA . Using Population Pharmacokinetic Modeling and Monte Carlo Simulations To Determine whether Standard Doses of Piperacillin in Piperacillin-Tazobactam Regimens Are Adequate for the Management of Febrile Neutropenia. <i>Antimicrob Agents Chemother.</i> 2017 Oct 24;61(11). pii: e00311-17. doi: 10.1128/AAC.00311-17.
Journal article	Rhodes NJLiu J, O'Donnell JN, Dulhunty JM, Abdul-Aziz MH, Berko PY, Nadler B, Lipman J , Roberts JA . Prolonged Infusion Piperacillin-Tazobactam Decreases Mortality and Improves Outcomes in Severely Ill Patients: Results of a Systematic Review and Meta-Analysis. <i>Crit Care Med.</i> 2018 Feb;46(2):236-243.
Journal article	Abdul-Aziz MH Lipman J, Roberts JA . Identifying "at-risk" patients for sub-optimal beta-lactam exposure in critically ill patients with severe infections. <i>Crit Care.</i> 2017 Nov 21;21(1):283. doi: 10.1186/s13054-017-1871-2.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Braune S, König C, Roberts JA , Nierhaus A, Steinmetz OM, Baehr M, Frey OR, Kluge S, Langebrake C. Pharmacokinetics of meropenem in septic patients on sustained low-efficiency dialysis: population pharmacokinetic study. Crit Care 2017; In Press
Journal article	Minichmayr I, Roberts JA , Frey O, Roehr A, Kloft C, Brinkman A. Development of a dosing nomogram for continuous infusion meropenem in critically ill patients based on a validated population pharmacokinetic model. J Antimicrob Chemother 2017; In press
Journal article	Dhaese SAM, Roberts JA , Carlier M, Verstraete AG, Stove V, De Waele JJ. Population pharmacokinetics of piperacillin continuous infusion in critically ill patients. Int J Antimicrob Agents 2017; In Press
Journal article	Byrne C, Parton T, McWhinney B, Fennell J, O'Byrne P, Deasy E, Egan S, Enright H, Desmond R, Ryder S, D'Arcy D, McHugh J, Roberts JA. Population pharmacokinetics of total and unbound teicoplanin concentrations and dosing simulations in patients with haematological malignancy. J Antimicrob Chemother 2017; In Press
Journal article	Abbott I, Meletiadis J, Belghanch I, Wijma R, Kanioura L, Roberts JA , Peleg A, Mouton J. Fosfomycin efficacy and emergence of resistance among Enterobacteriaceae in an in-vitro dynamic bladder infection model. J Antimicrob Chemother 2017; In Press
Journal article	Blaskovich, MAT, Hansford KA, Gong Y, Butler MS, Muldoon C, Huang JX, Ramu S, Silva AB, Cheng M, Kavanagh AM, Ziora Z, Premraj R, Lindahl F, Bradford TA, Lee JC, Karoli T, Pelingon R, Edwards DJ, Amadao M, Elliott AG, Phetsang W, Daud NH, Deecke JE, Sidjabat HE, Ramaolaga S, Zuegg J, Betley JR, Beevers APG, Smith RAG, Roberts JA , Paterson DL, Cooper MA. Protein inspired antibiotics active against vancomycin and daptomycin resistant bacteria. Nat Commun. 2018 Jan 2;9(1):22. doi: 10.1038/s41467-017
Journal article	Leguelinel-Blache G, Nguyen TL, Louart B, Poujol H, Lavigne JP, Roberts JA , Muller L, Kinowski JM, Roger C, Lefrant JY. Impact of quality bundle enforcement by a critical care pharmacist on patient outcome and costs. Crit Care Med 2017; In press
Journal article	Sinnah F, Shekar K, Abdul-Aziz MH, Buscher H, Diab SD, Fisquet S, Fung YL, McDonald CI, Reynolds C, Rudham S, Wallis SC, Welch S, Xie J, Fraser JF, Roberts JA . Incremental research approach to describing the pharmacokinetics of ciprofloxacin during extracorporeal membrane oxygenation. Crit Care Resus 2017; In press
Journal article	Vickers ML, Dulhunty JM, Ballard E, Chapman P, Muller M, Roberts JA , Cotta MO. Risk factors for multidrug resistant Gram-negative infection in burn patients. ANZ J Surg 2017; In press
Journal article	Byrne C, Roberts JA , McWhinney B, Fennell J, O'Byrne P, Deasy E, Egan S, Desmond R, Enright H, Ryder S, D'Arcy D, McHugh J. Population pharmacokinetics of teicoplanin and attainment of pharmacokinetic/pharmacodynamic targets in adult patients with haematological malignancy. Clin Microbiol Infect 2017 Sep;23(9):674.e7-674.e13
Journal article	Byrne C, Roberts JA , McWhinney B, Fennell J, O'Byrne P, Deasy E, Egan S, Desmond R, Enright H, Ryder S, D'Arcy D, McHugh J. Variability in trough total and unbound teicoplanin concentrations and achievement of therapeutic drug monitoring targets in adult patients with haematological malignancy. Antimicrob Agents Chemother 2017;24;61(6). pii: e02466-16. doi: 10.1128/AAC.02466-16
Journal article	König C, Braune S, Roberts JA , Nierhaus A, Steinmetz OM, Baehr M, Frey OR, Langebrake C, Kluge S. Population pharmacokinetics and dosing simulations of ceftazidime in critically ill septic patients receiving sustained low-efficiency dialysis. J Antimicrob Chemother 2017;72(5):1433-1440
Journal article	Coulter S, Roberts JA , Hajkowicz K, Halton K. The use of Bloodstream Infection (BSI) mortality to measure the impact of Antimicrobial Stewardship (AMS) interventions: assessing the evidence. Inf Dis Reports 2017;9(1):6849
Journal article	Mulvogue K, Roberts JA , Coombes I, Cottrell N, Kanagarajah S, Smith A. The effect of pharmacists on ward rounds measured by the STOPP START tool in a specialised geriatric unit. J Clin Pharm Ther 2017 Apr;42(2):178-184
Journal article	Sartelli M, Kluger Y, Roberts JA , Catena F. A Global Declaration on Appropriate Use of Antimicrobial Agents across the Surgical Pathway. World J Emerg Surg 2017; 18 (8): 846-53.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Rawson TM, O'Hare D, Herrero P, Sharma S, Moore LSP, de Barra E, Roberts JA , Gordon AC, Hope W, Georgiou P, Cass AEG, Holmes AH. Delivering precision antimicrobial therapy through closed-loop control systems. J Antimicrob Chemother 2017; Dec 4. In Press.
Journal article	Roger C, Roberts JA , Muller L. Clinical Pharmacokinetics and Pharmacodynamics of Oxazolidinones. Clin Pharmacokinet 2017; In Press.
Journal article	Cheng V, Abdul-Aziz MH, Roberts JA , Shekar K. Optimising drug dosing in patients receiving extracorporeal membrane oxygenation. J Thoracic Dis 2017; In Press
Journal article	Rello J, Rouby JJ, Sole-Lleonart C, Chastre J, Blot S, Luyt CE, Riera J, Vos MC, Monsel A, Dhanani J, Roberts JA . Key conceptional considerations on nebulization of antimicrobial agents to mechanically ventilated patients. Clin Microbiol Infect 2017; In Press
Journal article	Sulaiman H, Abdul-Aziz MH, Roberts JA . Pharmacokinetic/Pharmacodynamics-Optimized Antimicrobial Therapy in Patients with Hospital-Acquired Pneumonia/Ventilator-Associated Pneumonia. Sem Respir Crit Care Med 2017;38:271–286.
Journal article	Tängdén T, Ramos Martín V, Felton TW, Nielsen EI, Marchand S, Brüggemann RJ, Bulitta JB, Bassetti M, Theuretzbacher U, Tsuji BT, Wareham DW, Friberg LE, De Waele JJ, Tam VH, Roberts JA . The role of infection models and PK/PD modelling for optimising care of critically ill patients with severe infections. Intensive Care Med 2017; 43: 1021-32.
Journal article	Roberts JA . Beta-lactam therapeutic drug monitoring in the critically ill children: big solution for infections in small people? Crit Care Med 2017; In Press.
Journal article	Shehabi Y, Forbes AB, Arabi Y, Bass F, Bellomo R, Kadiman S, Howe BD, McArthur C, Reade MC , Seppelt I, Takala J, Webb S, Wise MP; The SPICE III study investigators; The Australian and New Zealand Intensive Care Society Clinical Trials Group; The Australian and New Zealand Intensive Care Research Centre. The SPICE III study protocol and analysis plan: a randomised trial of Early Goal Directed Sedation compared with standard care in mechanically ventilated patients. Critical Care and Resuscitation, 2017; 19(4): 318-326.
Journal article	Marks DC, Johnson L, Reade MC . A clinical trial of frozen platelets: rationale, protocol and pilot analysis plan. ISBT Science Series, In Press.
Journal article	Woolley T, Strandenes G, et al. incl. Reade MC . Trauma Hemostasis and Oxygenation Research (THOR) Network position paper on the role of hypotensive resuscitation as part of remote damage control resuscitation. Journal of Trauma and Acute Care Surgery. In Press.
Journal article	Blazak P, Presneill J, Reade MC . Early repeat computed tomographic imaging in transferred trauma and neurosurgical patients: incidence, indications and impact. Journal of Medical Imaging and Radiation Oncology; In Press
Journal article	Reade MC , Brennan LB. Do austere surgical units belong on a mature battlefield? A critique of the evidence. <i>Injury</i> . 2017 Dec;48(12):2890-2892.
Journal article	Lee-Archer P, Paterson R, McBride CA, Regli-von Ungern Sternberg B, Reade MC , Long D. The effect of dexmedetomidine given as a premedication or intraoperatively on post-hospitalisation behaviour change in children: a study protocol for a randomised controlled trial. BMJ. In Press.
Journal article	Cooper DJ, McQuilten ZK, Nichol A, Ady B, Aubron C, Bailey M, Bellomo R, Gantner D, Irving DO, Kaukonen K-M, McArthur C, Murray L, Pettilä V, and French C, for the TRANSFUSE Investigators (incl. Reade MC) and the Australian and New Zealand Intensive Care Society Clinical Trials Group. Age of Red Cells for Transfusion and Outcomes in Critically Ill Adults. New England Journal of Medicine, 2017: In Press.
Journal article	Vickers ML, Coorey CP, Milinovich GJ, Eriksson L, Assoum M, Reade MC . Bibliometric analysis of military trauma publications: 2000 – 2016. J R Army Med Corps. 2018 Jan 13. In Press.
Journal article	Reade MC , Flint C, Kennaway S, Duff N, McCall B. Command vs. technical authority in the externally regulated, highly technical context of a Role 2E Hospital. Journal of Military and Veterans' Health, 2017; 25(3): 61-68.
Journal article	Reade MC . Cultural influences on the rates, acceptability and utility of advance care directives. Anaesthesia Critical Care & Pain Medicine. In Press

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Reade MC. Low-dose, non-titrated dexmedetomidine trials: clarifying possible coenrollment. <i>Anesthesiology</i> , 2017; 127(2): 398.
Journal article	Jones D, Hodgson CL, Shehabi Y, Reade MC. Reducing confusion about post-cardiotomy delirium. <i>Critical Care and Resuscitation</i> , 2017; 19(1), 1-4.
Journal article	Phan K, Dux C, Osland E, Reade MC. Effect of hypocaloric normoprotein or trophic versus full enteral feeding on patient outcomes among critically ill adults: A systematic review. <i>Anaesthesia and Intensive Care</i> , 2017; 45(6): 663-675.
Journal article	Rowan K, Angus D, Bailey M, Barnato A, Bellomo R, Coats T, Delaney A, Gimbel E, Grieve R, Harrison D, Higgins A, Howe B, Huang D, Kellum J, Mounsey P, Music E, Peake S, Pike F, Reade MC , Sadique Z, Singer M, Yealy D. Early, Goal-Directed Therapy for Septic Shock - A Patient-Level Meta-Analysis. <i>N Engl J Med</i> . 2017 Sep 7;377(10):994
Journal article	Reade MC , Bass F, Howe B, Seppelt I, Shehabi Y. Considerations for co-enrolment in randomised controlled effectiveness trials in critical care: the SPICE-8 co-enrolment guidelines. <i>Crit Care Resusc</i> . 2017 Jun;19(2):110-114.
Journal article	Linwood R, Duff N, Flint C, Reade MC , Krohn P. Application of clinical governance in a Role 2E hospital: the 2nd General Health battalion experience. <i>Journal of Military and Veterans' Health</i> , 2017; 25(1): 23-29.
Journal article	Winnearls J, Mitra B, Reade MC. Haemotherapy algorithm for the management of trauma induced coagulopathy – an Australian perspective. <i>Curr Opin Anaesthesiol</i> . 2017 Apr;30(2):265-276.
Journal article	Aubron C, Flint A, Bailey M, Pilcher D, Cheng A, Hegarty C, Martinelli A, Reade MC , Bellomo R, McQuilten Z. Is platelet transfusion associated with hospital-acquired infections in critically ill patients? <i>Crit Care</i> . 2017 Jan 6;21(1):2.
Journal article	Flint A, Aubron C, Bailey M, Bellomo R, Pilcher D, Cheng AC, Hegarty C, Reade MC, McQuilten Z. Duration of platelet storage and outcomes of critically ill patients. <i>Transfusion</i> , 2017; 57: 599-605.
Book chapter	Liu D, Reade MC. Central alpha-2 adrenoceptor agonists in intensive care. In: Annual Update in Intensive Care and Emergency Medicine 2018. Berlin: Springer-Verlag. In Press.
Book chapter	Lee-Archer P, Reade MC , Regli-von Ungern-Sternberg B, Long D. Postoperative behaviour change in children. <i>Australasian Anaesthesia 2017</i> , Melbourne: Australian and New Zealand College of Anaesthetists, 2017: 281-290.
Book chapter	Reade MC , Winnearls J. Evidence, new methods and current practice of point-of-care coagulation testing in major haemorrhage. <i>Australasian Anaesthesia 2017</i> , Melbourne, Australian and New Zealand College of Anaesthetists, 2017: 117-134.
Book chapter	Reade MC & Thomas PD. Blast and ballistic trauma. In: Bersten A, Soni N. <i>Oh's Intensive Care Manual</i> , 8th edition, London, Elsevier, 2017, In Press.
Book chapter	Mahoney A, Vassiliadis J, Reade MC. Making the best use of simulation training in critical care medicine. In: Vincent JL, ed. <i>Annual Update in Intensive Care and Emergency Medicine 2017</i> . Berlin: Springer-Verlag, 2017; 477-492.
Book chapter	Sime FS, Roberts JA. Antibiotic Pharmacodynamics. In Udy AA, Roberts JA, Lipman J (eds). <i>Antibiotic Pharmacokinetic/Pharmacodynamic Considerations in the Critically Ill</i> . Springer, Switzerland, 2017.
Book chapter	Abdul-Aziz MH, Shekar K, Roberts JA. Antibiotic Dosing During Extracorporeal Membrane Oxygenation. In Udy AA, Roberts JA, Lipman J (eds). <i>Antibiotic Pharmacokinetic/Pharmacodynamic Considerations in the Critically Ill</i> . Springer, Switzerland, 2017.
Book chapter	Sinnollareddy M, Cotta MOC, Roberts JA. Pharmacokinetic and Pharmacodynamic Tools to Increase Efficacy. In: Pulcini C, Ergonul O, Can F, Beovic B ed. <i>Antimicrobial Stewardship</i> , European Society of Clinical Microbiology and Infectious Diseases and Academic Press, London, UK 2017.
Book chapter	Denny KJ, Lipman J , Roberts JA. Cephalothin and cefazolin. In: Grayson ML, Crowe SM, McCarthy JS, Mills J, Mouton JW, Norrby SR, Paterson DL, Pfaller MA ed. <i>Kucers' The Use of Antibiotics Seventh Edition: A Clinical Review of Antibacterial, Antifungal and Antiviral Drugs</i> , 7th edition. ASM Press, Washington DC, USA, 2017.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Book chapter	Geddes AM, Gould IM, Roberts JA , Grayson ML, Cosgrove SE. Ampicillin and Amoxicillin. In: Grayson ML, Crowe SM, McCarthy JS, Mills J, Mouton JW, Norrby SR, Paterson DL, Pfaller MA ed. Kucers' The Use of Antibiotics Seventh Edition: A Clinical Review of Antibacterial, Antifungal and Antiviral Drugs, 7th edition. ASM Press, Washington DC, USA, 2017.
Book chapter	Geddes AM, Gould IM, Trubiano JA, Roberts JA , Grayson ML. Benzylpenicillin (Penicillin G). In: Grayson ML, Crowe SM, McCarthy JS, Mills J, Mouton JW, Norrby SR, Paterson DL, Pfaller MA ed. Kucers' The Use of Antibiotics Seventh Edition: A Clinical Review of Antibacterial, Antifungal and Antiviral Drugs, 7th edition. ASM Press, Washington DC, USA, 2017.
Book chapter	Geddes AM, Gould IM, Roberts JA . Phenoxypenicillins. In: Grayson ML, Crowe SM, McCarthy JS, Mills J, Mouton JW, Norrby SR, Paterson DL, Pfaller MA ed. Kucers' The Use of Antibiotics Seventh Edition: A Clinical Review of Antibacterial, Antifungal and Antiviral Drugs, 7th edition. ASM Press, Washington DC, USA, 2017.
Book chapter	Holley AD . Management of the Critically Ill Burns Patient. Trauma and Combat Critical Care in Clinical Practice pp 277-306. Chapter. First online 25 October 2016.
Book	Udy AA, Roberts JA , Lipman J (eds). Antibiotic Pharmacokinetic/Pharmacodynamic Considerations in the Critically Ill. Springer, Switzerland, 2017.
Journal Article	Johnson S, Coyer F , Nash R. Simulation debriefing based on transfer of learning principles: A pilot study. Nurse Education in Practice. 2017. 26:102-108.
Journal Article	Coyer F , Clark M, Slattery P, Thomas P, McNamara G, Edwards C, Ingleman J, Stephenson J, Ousey K. Exploring pressures, tissue reperfusion and body positioning: A pilot evaluation. Journal of Wound Care. 2017. 26(10):1-10.
Journal Article	Cook JL, Coyer F , Vann A, Campbell J, McNamara G, Lost in Translation? Interpreting universal pressure injury guidelines into a practical reference for intensive care. Aust Crit Care. 2017. 30(2):113.
Journal Article	Dunstan E, Coyer F . A survey of safety culture in two Australian tertiary hospital intensive care units: The SCATH-ICU study. Aust Crit Care. 2017. 30(2):115.
Journal Article	Pather P, Kynoch K, Hines S, Coyer F . The effectiveness of topical skin products in the treatment and prevention of incontinence-associated dermatitis: A systematic review. JBI Database of Systematic Reviews and Implementation Reports. 2017. 15(5):1473-1496.
Journal Article	Coyer F , Tayyib N. Pressure ulcer risk factors in the intensive care unit; a systematic review protocol. BMC Systematic Reviews. 2017. 6:58. DOI:10.1186/s13643-017-0451-5
Journal Article	Coyer F , Lipman J. Professorial clinical units: advancing research in the intensive care unit via the integration of a nursing professor. ICU Management & Practice. 2017. 17(1):50-2.
Journal Article	Coyer F , Gardner A, Doubrovsky A. An interventional skin care protocol (InSPIRE) to reduce incontinence-associated dermatitis in intensive care patients; a before and after study. Intensive and Critical Care Nursing. 2017. 40:1-10.
Journal Article	Tutticci N, Coyer F , Lewis P, Ryan M. Student facilitation of simulation debrief: Measuring reflective thinking and self-efficacy. Teaching and Learning in Nursing. 2017. 12(2):128-135.
Journal Article	Tutticci N, Coyer F , Lewis P, Ryan M. Validation of a reflective thinking instrument for third year undergraduate nursing students participating in a high fidelity simulation. Reflective Practice: International and Multidisciplinary Perspectives. 2017. 18(2):219-231.
Journal Article	Tutticci N, Ryan M, Coyer F , Lewis P. Collaborative facilitation of debriefing after high fidelity simulation and its implications for reflective thinking: student experiences. Studies in Higher Education. Available online 30 January 2017 http://dx.doi.org/10.1080/03075079.2017.1281238
Journal Article	Coyer F , Miles S, Fulbrook P, Gosley S, Sketcher-Baker K, Cook JL, Whitmore J. Pressure injury prevalence in intensive care versus non-intensive care patients: A state-wide comparison. Australian Critical Care. 2017. 30:244-250. Doi: http://dx.doi.org/10.1016/j.aucc.2016.12.003
Journal Article	Tayyib N, Coyer F . Translating pressure ulcer prevention bundle into intensive care nursing practice; overlying a care bundle approach with a model of research implementation. Journal of Nursing Care Quality. 2017. 32(1):6-14.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Report	Beeckman D, Van den Bussche K, Alves P, Beele H, Ciprandi G, Coyer F , de Groot T, De Meyer D, Dunk AM, Fouri A, García-Molina P, Gray M, Iblasi A, Jelles R, Johansen E, Karadag A, Leblancq K, Kis Dadara Z, Long MA, Meaume S, Pokorna A, Romanelli M, Ruppert S, Schoonhoven L, Smet S, Smith C, Steininger A, Stockmayr M, Van Damme N, Voegeli D, Van Hecke A, Verhaeghe S, Woo K, Kottner J. The Ghent Global IAD Categorisation. Tool (GLOBIAD). Skin Integrity Research Group - Ghent University 2017. Available to download from www.UCVVGent.be

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Coyer F . Present findings from the SUSTAIN study: translating PI prevention evidence into practice. AASTN 41st National Conference, Brisbane, March 2017
Invited Speaker	Coyer F . Device related pressure injuries: Incontinence associated dermatitis. 3M Cavilon Advanced Skin Protectant Launch Event: Spotlight on Infection Wounds Australia Study Day. 4 November 2017, Perth.
Invited Speaker	Coyer F . PI Prevention in Complex Critically ill Patients. Falls, Fractures & Pressure Injuries Management Conference, 2-3 November 2017, Melbourne.
Invited Speaker	Coyer F . Translating Evidence-Based Pressure Injury Prevention Strategies to the Intensive Care Environment: The SUSTAIN Study. Winner EPUAP & 3M Pressure Ulcer and IAD Innovation Award . EPUAP 2017: The 19th Annual Meeting of the European Pressure Ulcer Advisory Panel, 20-22 September 2017, Belfast, Northern Ireland.
Invited Speaker	Coyer F . Skin management for the critically ill patient – a skin bundle approach (PI and IAD). China Wound Ostomy Continence Nursing Conference, 21-26 August 2017, China.
Invited Speaker	Coyer F . Incontinence-associated dermatitis best practice. China Wound Ostomy Continence Nurses Association 15th Congress 24 August 2017. Xi'an, China.
Invited Speaker	Coyer F . Translating Evidence-Based Pressure Injury Prevention Strategies to the Intensive Care Environment: The SUSTAIN Study. WCICT 2017 Wound Care From Innovations to Clinical Trials Conference, 20-21 June 2017, Manchester, UK.
Invited Speaker	Coyer F . Present findings from the SUSTAIN study: translating PI prevention evidence into practice. AASTN 41st National Conference, 15 March 2017, RNA, Brisbane.
Invited Speaker	Coyer F . Pressure Ulcer Prevention Clinical Evidence. PIP Educational Week, 28-30 November 2017, Dubai and Abu Dhabi.
Oral Invited	Roberts JA , “PK-PD Dosing Issues in Special Patients: Critically Ill Patients versus Healthy Volunteers”. 2017 ASM-ESCMID Conference: Drug Development to Meet the Challenge of Antimicrobial Resistance, Boston, USA September 2017.
Oral Invited	Roberts JA , “How can the non-ID Specialist approach AMS”. South African Society of Clinical Pharmacists 7th Annual Conference, Johannesburg, South Africa June 2017.
Oral Invited	Roberts JA , “Therapies for specific infection syndromes”. South African Society of Clinical Pharmacists 7th Annual Conference, Johannesburg, South Africa June 2017.
Oral Invited	Roberts JA , “PK/PD, TDM, dosing in difficult patient groups (ICU, transplant, renal, RRT, ECMO), association with resistance” (Keynote). South African Society of Clinical Pharmacists 7th Annual Conference, Johannesburg, South Africa June 2017.
Oral Invited	Roberts JA , “Customised antibiotic dosing to save patient’s lives” (Plenary) 1st Queensland-Guangdong Clinical Pharmacy Education Symposium, Guangzhou, China May 2017.
Oral Invited	Roberts JA , “Customised Drug Dosing in the Critically Ill”. International PEAK-II (Paul Ehrlich Antiinfektiva Konzentrationen) Workshop, Frankfurt, Germany, April 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	Roberts JA , “Therapeutic Drug Monitoring – for all drugs, for all antibiotics?” European Conference on Clinical Microbiology and Infectious Diseases, Vienna, Austria, April 2017.
Oral Invited	Roberts JA , “Antibiotic Resistance – Clinical Pharmacokinetics/Pharmacodynamics” Joint International Society of Anti-infective Pharmacology (ISAP) and ESCMID Pharmacokinetics/Pharmacodynamics Study Group (EPASG) Conference on Integrating Knowledge and Innovating Therapies, Vienna, Austria, April 2017.
Oral Invited	Roberts JA , “From Diagnosing to Dosing” EUROASIA, European Society of Intensive Care Medicine, Hong Kong, April 2017.
Oral Invited	Roberts JA , “Dosing in Renal Replacement Therapy” EUROASIA, European Society of Intensive Care Medicine, Hong Kong, April 2017.
Oral Invited	Roberts JA , “Right Dose, Right Now: Customised drug dosing in the critically ill.” (Plenary) 46th International Critical Care Congress, Society of Critical Care Medicine, Hawaii USA, January 2017.
Oral Invited	Roberts JA , “Antimicrobial PK/PD”, Medicines Management 2017, Society of Hospital Pharmacists of Australia National Conference, Sydney, Australia November 2017.
Oral Invited	Roberts JA , “Individually Designed Optimum Dosing Strategies”, NHMRC Centre for Research Excellence REDUCE Dose Optimisation Workshop, November 2017, Sydney, Australia.
Oral Invited	Roberts JA , “Appropriate use of antibiotics in critical care”. National Forum on Antimicrobial Resistance. Brisbane, November 2017.
Oral Invited	Roberts JA , “Why is antimicrobial dosing so important to the care of some patient groups?”. Specialist Antimicrobial Stewardship Workshop. National Forum on Antimicrobial Resistance. Brisbane, November 2017.
Oral Invited	Roberts JA . “Antimicrobials: Individualised Dosing and PKPD”. Advanced Critical Care Seminar, Society of Hospital Pharmacists of Australia, Gold Coast, October 2017.
Oral Invited	Roberts JA , “Lipophobic: the challenges of drug dosing in obesity”, Australia and New Zealand College of Anaesthetists Annual Scientific Meeting, Brisbane, Australia, May 2017.
Oral Invited	Roberts JA , Using PKPD to optimise antimicrobial dosing in the critically ill. National Centre for Infections in Cancer Seminar, University of Melbourne, Melbourne, October 2017.
Oral Invited	Roberts JA , “Importance of sufficient dosing for optimising patient outcomes from infection”. Royal Brisbane and Women’s Hospital Annual Research Symposium, Brisbane, September 2017.
Oral Invited	Roberts JA , “Show me the money: Maximising funding from small to large projects” Queensland Critical Care Research Forum, Sunshine Coast University Hospital, Caloundra, May 2017.
Oral Invited	Marks DC, Johnson L, Reade MC . A clinical trial of frozen platelets. International Society of Blood Transfusion Annual Meeting, Guangzhou, 2017.
Oral Invited	Reade MC . Cryopreserved vs. liquid platelets for surgical bleeding: proposal for a definitive trial. ANZICS Clinical Trials Group Winter Research Forum, Queenstown New Zealand, 2017.
Oral Invited	Reade MC . Data sharing – Early Goal Directed Therapy Individual Patient Data Meta-analysis Lessons Learnt. ANZICS Clinical Trials Group Winter Research Forum, Queenstown New Zealand, 2017.
Oral Invited	Reade MC . Dexmedetomidine to lessen ICU agitation. 8th International Congress of the German Sepsis Society, Weimar, 2017.
Oral Invited	Reade MC . What does a credible Army clinical workforce look like? Army Health Services Conference, Brisbane, 2017.
Oral Invited	Reade MC . Traumatic Cardiac Arrest. Australian and New Zealand College of Paramedicine Annual Meeting, Brisbane, 2017.
Oral Invited	Reade MC . Current best practice and likely future innovations in blood products for trauma care. Injury 2017, Auckland, 2017.
Oral Invited	Reade MC . Clinical trials methodology: building on 20 years’ experience in the ANZICS Clinical Trials Group. National Taiwan University Hospital Invited Professorial Address, Taipei, 2017.
Oral Invited	Reade MC . ICU delirium: current and future research. Taiwan Society of Critical Care Medicine Clinical Update, Taipei, 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	Reade MC. Current management and future research for ICU delirium. Taiwan Society of Emergency and Critical Care Medicine CME lecture, Taiwan, 2017.
Oral Invited	Reade MC. Surgical services at the ANZAC Role 2E hospital, Taji, Iraq. Royal Australasian College of Surgeons Annual Scientific Conference, Adelaide, 2017.
Oral Invited	Reade MC. Traumatic cardiac arrest. Australian Resuscitation Council Spark of Life Conference, Adelaide, 2017.
Oral Invited	Reade MC. Cardiac arrest due to trauma: new Australian and New Zealand guidelines. Australasian Trauma Society Annual Scientific Meeting, Melbourne, 2017.
Oral Invited	Reade MC. The new Australian Defence Force Blood Transfusion policy. Australasian Association of Clinical Biochemists / Australian Institute of Medical Scientists Combined Scientific Meeting, Brisbane, 2016.
Oral Invited	Reade MC. Big data: examples of military registry data answering hypothesis-driven research questions. Australian and New Zealand College of Anaesthetists Annual Scientific Meeting, Brisbane, 2017.
Oral Invited	Reade MC, Scott D, Scarff C, Mahoney A, Luckin P, Thomas P, Douglas A. Military anaesthesia. Australian and New Zealand College of Anaesthetists Annual Scientific Meeting, Brisbane, 2017.
Oral Invited	Reade MC. Blood products for austere environments – the new ADF policy. Ortho Clinical Diagnostics Lab Leader Scientific Summit, Singapore, 2017.
Oral Invited	Reade MC. What is delirium and what are the diagnostic tools? Austin Health Delirium Symposium, Melbourne, 2017.
Oral Invited	Reade MC. Tranexamic acid – too early or too late? 1st Annual Perioperative Patient Blood Management Symposium, Brisbane, 2017.
Invited speaker	Reade MC. What will we be transfusing trauma patients in the next war?" ANZ Journal of Surgery, 87(S1), 83, 2017.
Invited speaker	Reade MC. Is the trauma 'golden hour' really fool's gold? Journal of Military and Veterans Health, 2017, 25(4), 48-49.
International Presentation	Sultana A, Dean MM, Reade MC, Flower RL and Tung JP. Characterising anti-major histocompatibility complex class I-mediated transfusion-related acute lung injury (TRALI). University of Queensland International Postgraduate Symposium in Biomedical Sciences, Brisbane, 2017.
International Presentation	Sultana AJ, Dean MM, Reade MC, Flower RL, Tung, JP. In vitro characterisation of anti-major histocompatibility complex class I mediated transfusion-related acute lung injury (TRALI). Australasian Society for Immunology Annual Scientific Meeting, Brisbane, 2017.
International Presentation	Simonova G, Pedersen S, Reade MC, Johnson L, Dean M, Tung JP. Cryopreserved sheep platelet concentrates: hemostatically efficient and suitable for transfusion research. United States Military Health Service Research Symposium, Orlando, 2017.
International Presentation	Sultana A, Dean MM, Reade MC, Flower RL, Tung JP. Characterising human anti-major histocompatibility complex class I-mediated transfusion-related acute lung injury (TRALI). Prince Charles Hospital Research Week Seminar, Brisbane, 2017.

GENETIC HEALTH QUEENSLAND



ASSOC PROF JULIE MCGAUGHRAN

Director
Genetic Health Queensland

Genetic Health Queensland (GHQ) is a state-wide service which provides clinical genetics services for all age groups in the state of Queensland. GHQ contributes to educational sessions at RBWH, LCCH and regional centres. GHQ clinical staff undertakes presentations to other health professional groups and non-government organisations.

In 2017, GHQ continued its close involvement in the Australian Genomic Health Alliance (AGHA), which was awarded a \$25 million 5 year grant from the National Health and Medical Research Council's (NHMRC) Targeted Call for Research into Preparing Australia for the Genomics Revolution in Healthcare. AGHA brings together more than 50 partner organisations committed to integrating genomic medicine into healthcare across Australia. This has included the appointment of GHQ Australian Genomics research staff including a project officer, and two part-time genetic counsellors. In 2017, GHQ recruited 37 patients into the project at RBWH (combined total for Renal and ICCon flagships). GHQ Australian Genomics staff are also working with clinicians at LCCH on several other AGHA flagships and are collaborating with researchers from organisations including QIMR-Berghofer, UQ, QGHA and others here and interstate in programs regarding bioinformatics, workplace education, ethical and legal issues, implementation, health economics and policy associated with genomic medicine.

Cardiac and renal genetics remain active areas of research collaborations, resulting in several publications. Cancer genetics also remains an active area of research. The Cancer team have been conducting in-services for various Queensland public cancer services to facilitate mainstreaming of BRCA gene testing as part of a COSA lead research project. The active research engagement of GHQ is clearly evident in contributions to 17 presentations at both national and international conferences.

2017 was an exciting year for GHQ and provides the foundation for ongoing productive research collaborations both within the RBWH and with an increasing number of external institutions.

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Michael Quinn	Queensland State Project Officer for Australian Genomics	Australian Genomics Health Alliance (AGHA)	NA
Melanie Tom	Genetic Counsellor for Australian Genomics (Malformations of Cortical Development, Leukodystrophies, Neuromuscular and Epileptic Encephalopathy Flagships)	AGHA	NA

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Lindsay Fowles	Genetic Counsellor for Australian Genomics (Renal flagship)	AGHA	NA
Rachel Austin	Clinical Research Assistant	ICCon, RBWH Research Foundation	NA

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Andrew Mallett (RBWH, renal)	Chirag Patel, Julie McGaughran	Applying genomics to inherited tubulointerstitial and cystic kidney diseases in Australia (RBWH Foundation research grant)
Andrew Mallett (RBWH, renal) and Australian Genomics Health Alliance (AGHA)	Chirag Patel, Julie McGaughran, Lindsay Fowles	KidGen – renal genetics flagship
Andrew Mallett (RBWH, renal)	Andrew Mallett, Mohammad Al-Shinnag, Helen Mar Fan, Rachel Susman	Clinical audit of BHD, HLRCC and VHL at RBWH
COSA (Lead by Judy Do and Bettina Meiser)	Helen Mar Fan	BRCA Mainstreaming project
AGHA ICCon Cancer Flagship	Julie McGaughran	AGHA: Preparing Australia for genomic medicine
ICCon Partnership (Lead by Paul James and Gillian Mitchell)	Julie McGaughran	1) The Inherited Cancer Connect (ICCon) database: a national database of carriers of germline mutations in cancer predisposition genes predisposing to hereditary cancer syndromes. 2) Evaluation of the eviQ genetic testing guidelines and risk-management for people with hereditary cancer syndromes: Audit of Familial Cancer Clinics (eviQ project)
IMRC (Lead by Jeanette Reece)	Rachel Susman	A worldwide study of cancer risk for Lynch syndrome, as part of the International Mismatch Repair Consortium (IMRC)
IMPACT (Lead by Geoffrey Lindeman)	Rachel Susman	Identification of Men with a genetic predisposition to ProstAte Cancer: Targeted screening in men at higher genetic risk and controls (IMPACT)
kConFab (Lead by Stephen Fox)	Julie McGaughran	The Kathleen Cunningham National Research Consortium For Research on Familial Breast Cancer
QIMR-Berghofer (Lead by Barbara Leggett)	Helen Mar Fan	Identification of the Gene Causing Hereditary Flat Adenoma Syndrome (RBWH Research Foundation grant)

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Andrew Mallett Chirag Patel Julie McGaughran	Renal department Genetic Health Queensland	Applying genomics to inherited tubulointerstitial and cystic kidney diseases in Australia	RBWH Foundation	\$40,000	1 year
Julie McGaughran (CI)	Genetic Health Queensland	AGHA: Preparing Australia for Genomic Medicine	NHMRC	Nationally \$5 million annually for 5 years	5 years from 2016

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Mallett AJ , McCarthy HJ, Ho G, Holman K, Farnsworth E, Patel C , Fletcher JT, Mallawaarachchi A, Quinlan C, Bennetts B, Alexander SI. Massively parallel sequencing and targeted exomes in familial kidney disease can diagnose underlying genetic disorders. <i>Kidney Int</i> (2017) 92: 1493-1506
Journal Article	Murray N, Burgess B, Hay R, Colley A, Rajagopalan S, McGaughran J , Patel C , Enriquez A, Goodwin L, Stark Z, Tan T, Wilson M, Roscioli T, Tekin M, Goel H. KBG syndrome: An Australian experience. <i>Am J Med Genet A</i> (2017) Epub ahead of print
Journal Article	Chan S, Mallett AJ , Patel C , Francis RS, Johnson DW, Mudge DW, Isbel NM. Recurrent atypical haemolytic uraemic syndrome post kidney transplant due to a CD46 mutation in the setting of SMARCAL1-mediated inherited kidney disease. <i>Nephrology (Carlton)</i> (2017) Suppl 1: 11-14
Journal Article	Rososinski A, Tran T, Galvin J, Patel C , Fung AT. New findings from multimodal fundus imaging over 3 years of a patient with microcephaly, chorioretinopathy, and KIF11 mutation. <i>Retin Cases Brief Rep</i> (2017) Epub ahead of print
Journal Article	Richardson E, Spinks C, Davis A, Turner C, Atherton J , McGaughran J , Semsarian C, Ingles J. Psychosocial Implications of Living with Catecholaminergic Polymorphic Ventricular Tachycardia in Adulthood. <i>J Genet Couns</i> . 2017 Sep 23. doi: 10.1007/s10897-017-0152-1.
Journal Article	Fatkin D, Johnson R, McGaughran J , Weintraub RG, Atherton J ; CSANZ Genetics Council Writing Group. Position Statement on the Diagnosis and Management of Familial Dilated Cardiomyopathy. <i>Heart Lung Circ</i> . 2017 Nov;26(11):1127-1132. doi: 10.1016/j.hlc.2017.04.021. Epub 2017 Jun 7.
Journal Article	Sweeting J, Ball K, McGaughran J , Atherton J, Semsarian C, Ingles J. Impact of the implantable cardioverter defibrillator on confidence to undertake physical activity in inherited heart disease: A cross-sectional study. <i>Eur J Cardiovasc Nurs</i> . 2017 Dec;16(8):742-752. doi: 10.1177/1474515117715760. Epub 2017 Jun 14.
Journal Article	Murray N, Burgess B, Hay R, Colley A, Rajagopalan S, McGaughran J , Patel C , Enriquez A, Goodwin L, Stark Z, Tan T, Wilson M, Roscioli T, Tekin M, Goel H. KBG syndrome: An Australian experience. <i>Am J Med Genet A</i> . 2017 Apr 27. doi: 10.1002/ajmg.a.38121. [Epub ahead of print]
Journal Article	Acuna-Hidalgo R, Deriziotis P, Steehouwer M, Gilissen C, Graham SA, van Dam S, Hoover-Fong J, Telegrafi AB, Destree A, Smigiel R, Lambie LA, Kayserili H, Altunoglu U, Lapi E, Uzielli ML, Aracena M, Nur BG, Mihci E, Moreira LM, Borges Ferreira V, Horovitz DD, da Rocha KM, Jezela-Stanek A, Brooks AS, Reutter H, Cohen JS, Fatemi A, Smitka M, Grebe TA, Di Donato N, Deshpande C, Vandersteen A, Marques Lourenço C, Dufke A, Rossier E, Andre G, Baumer A, Spencer C, McGaughran J , Franke L, Veltman JA, De Vries BB, Schinzel A, Fisher SE, Hoischen A, van Bon BW. Overlapping SETBP1 gain-of-function mutations in Schinzel-Giedion syndrome and hematologic malignancies. <i>PLoS Genet</i> . 2017 Mar 27;13(3)

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited	Patel C. Renal genetics workshop. KidGen Renal Genetics symposium, Melbourne, Dec 2017
Invited	Patel C. Genetic Technologies. HGSA annual conference, Brisbane, Aug 2017
Invited	Patel C. Understanding the genetics of TSC and importance of lifelong surveillance. TSC Webinar, Australia, Aug 2017
Invited	Ebbery, C. Changing Practice to Meet Demand: Mainstreaming. HGSA annual conference, Brisbane, Aug 2017
Invited	Boon M. Genetic Counselling – an overview. HGSA annual conference, Brisbane, Aug 2017
Invited	Gattas M. Choosing Wisely for gene tests. HGSA annual conference, Brisbane, Aug 2017
Invited	Gattas M. Q&A panel for the discussion on, “Personal Genomics: Medical Breakthrough or Ethical Dilemma?”, HGSA annual conference, Brisbane, Aug 2017
Poster	McGrath P, Gattas M, Patel C. A case of two apparently de novo mutations in the dystrophin gene in a single sibship. HGSA annual conference, Brisbane, Aug 2017
Invited	McGaughran, J. Session chair European Society of Human Genetics, Copenhagen, 2017
Invited	McGaughran, J. UQ Centre for Cardiac and Vascular Biology – Speaker and panel guest. Brisbane, May 2017
Invited	Mar Fan H. Session chair FCC Clinical professional Day, Kingscliffe, August 2017
Poster	Higgins M, Susman, R. Multiple pilomatrixomas in 3 unrelated children and literature review. HGSA annual conference, Brisbane, Aug 2017
Invited	Susman R. Genetics of Inherited Susceptibility to Bowel Cancer. Gastroenterological Society of Queensland 2017 Annual Noosa Update, Noosa, June 2017.
Invited	Susman R. The role of a Genetics Service relating to a possible diagnosis of Lynch syndrome. Australasian Gastrointestinal Pathology Society 2017 Annual Scientific Meeting, Brisbane, Oct 2017.
Invited	Susman R. Cancer Genetics. HGSA annual conference, Brisbane, Aug 2017.
Poster	Berkman J, et al. Genetic counselling certification in Australasia: the current landscape. HGSA annual conference, Brisbane, Aug 2017
Invited	McGaughran J, Berkman J. Session chairs. Plenary session 2. HGSA annual conference, Brisbane, Aug 2017

OTHER COMMUNICATIONS AND OUTPUTS:

TYPE (TEACHING, GRAND ROUND)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Grand round	Patel C. Adults with intellectual disability syndrome, RBWH grand round, Brisbane, Jul 2017
Teaching	Patel C. Renal Genetics, Statewide Renal Clinical Network Forum, Brisbane, May 2017
Teaching	Patel C. Genetics for paediatricians, RMO seminar, LCCH, Brisbane Jan 2017
Teaching	Patel C. Dysmorphology for paediatricians, RMO seminar, LCCH, Brisbane Apr 2017
Teaching	Patel C. Genetics for non-geneticists, RMO seminar, RBWH, Brisbane Jan 2017
Teaching	Patel C. Genetics for non-geneticists, RMO seminar, PAH, Brisbane Oct 2017

THE PROFESSOR TESS CRAMOND MULTIDISCIPLINARY PAIN CENTRE



ASSOC PROF PAUL GRAY
Director
Professor Tess Cramond
Multidisciplinary Pain Centre

The Professor Tess Cramond Multidisciplinary Pain Centre (PTCMPC) was established in 1967 to support patients with chronic pain. The Centre utilises various models of care including inpatient consultation liaison, outpatient clinics, pain medicine procedures and group pain management programs. With respect to research, the Centre is proud of a strong legacy and plans to build on that legacy into the future.

With the enormous burden of disease from chronic pain and limited good treatments, ongoing clinical research is important to assist people in pain. This is particularly relevant with current National initiatives such as medicinal use of cannabis, pelvic pain programs and rescheduling of over-the-counter codeine preparations along with other strategies to address the 'opioid crisis'.

In 2017, research in the PTCMPC was driven largely by Dr Nicole Andrews. Her work included the development of a valuable smartphone app to support and guide patients in their journey with chronic pain.

The future of research in the PTCMPC is promising as the Centre builds internal research and relationships with external bodies.

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Nicole Andrews	Honorary Lecturer RBWH Postdoctoral Research Fellow	School of Health and Rehabilitation Sciences Towards understanding how much activity is too much for individuals with chronic pain	The University of Queensland (2015 - 2017)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Nicole Andrews	Marlien Varnfield (CSIRO), David Ireland (CSIRO)	Towards understanding how much is too much for individuals with chronic pain
Nicole Andrews	Sue Laracy	Evaluation of occupational therapy interventions within the orthopaedic physiotherapy screening clinic
Robyn Scheer	Nicole Andrews, Erin Molloy	The effect of limb position on leg circumference measurements in patients diagnosed with lower limb lymphoedema.

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Lynn DeBar (Kaiser Permanente Centre for Health Research, Portland, USA)	Nicole Andrews	PPACT Administrative Supplement for Research on Sleep Disturbances and Impact on Chronic Pain
Meghan Mayhew (Kaiser Permanente Centre for Health Research, Portland, USA)		

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Nicole Andrews, Marlien Varnfield (CSIRO), David Ireland (CSIRO)	Occupational Therapy, OPSC, and the Professor Tess Cramond Multidisciplinary Pain Centre	The development and implementation of a mobile health platform to support activity pacing implementation in chronic pain	Metro North LINK funding scheme	\$55,000	\$60 000 (2017-2018)
Nicole Andrews	Occupational Therapy, OPSC, and the Professor Tess Cramond Multidisciplinary Pain Centre	Towards being able to determine how much activity is too much for individuals with chronic pain	RBWH Foundation	\$50,000	\$50 000 (2017)

INTERNAL MEDICINE SERVICES



INTERNAL MEDICINE SERVICES



KATE MASON
Executive Director
Internal Medicine Services

*Collaborations
continued to be
strong with our
university and
industry partners*

Internal Medicine Services has a deep history of involvement in advancing healthcare through research. This is achieved through the tireless efforts of dedicated staff across many disciplines and in all departments. In 2017, collaborations continued to be strong with our university and industry partners, as well as historical links with other health care providers and facilities both in Queensland and across Australia. IMS researchers also have many international collaborators that ensure that our contributions are benefiting not only our own patients, but also health care across the globe.

Having an active research culture not only adds to the body of knowledge of health care, however, also allows our patients to be involved in the latest therapies and diagnostics, have access to the newest medicines, and also to the best models of care under tight monitoring conditions.

IMS staff across all disciplines actively participate and share their research outcomes within the RBWH Symposium, national and international conferences, publications and health forums. The IMS Research teams have received many grants and awards to support their research endeavours through the RBWH Foundation Research Awards, Special Grants and funding from sources such as NHMRC, among others.

Each department has highlighted their Research achievements, listed those staff involved, documented their publications and presentations and nominated Post Graduate Research Students. This exhaustive list, while extremely impressive, still does not highlight the hours and hours of work that goes into each and every piece of research that is undertaken within this campus. On behalf of the IMS Executive team I would like to express our acknowledgment and gratitude for all staff within Internal Medicine Services that contribute to the Research outcomes that benefit our patients. We are all very proud of your achievements.

CARDIOLOGY DEPARTMENT

About this service:

The cardiology department has a broad investigator-driven research program with a focus on health service research and evaluation. Much of this research has grown from the efforts of clinicians to improve models of care with interdisciplinary collaboration within RBWH and with other centres nationally and internationally.

Highlights of 2017:

The evaluation of chest pain has involved a collaboration with the emergency department and internal medicine, with national and international collaborations, and industry partnerships. We have unique cardiac obstetric (collaboration with Internal Medicine and Obstetric Medicine) and cardiac genetic (collaboration with Genetic Health Queensland) clinics that receive statewide referrals.

Other research interests include investigating ways to detect presymptomatic heart disease using salivary biomarkers (collaboration with QUT), and investigating the feasibility of training nurses to perform echocardiography to assess left ventricular function. This may allow non-invasive and cost-effective early disease detection and monitoring. We have a strong clinical trials research program and have been the lead national and global recruiting site for a number of multicentre trials.

Benefits for clinical practice:

Research into the evaluation of patients presenting with chest pain is being actively translated into clinical practice throughout Queensland by the Health Innovation Fund supported Accelerated Chest pain Risk Evaluation (ACRE) clinical redesign project. This research is informing the evaluation of chest pain across Queensland and internationally. We have a Cardiac Catheter Laboratory database with comprehensive mandatory complication tracking, which will inform the Queensland and Australian Cardiac Outcomes Registry. We informed the development of the Heart Failure Reporting Outcomes (HERO) database, which is tracking healthcare measures for all patients referred to heart failure services in Queensland.

EDITORIAL AND OTHER KEY POSITIONS HELD:

- Professor and Clinical Director, Australian Centre for Health Service Innovation, Queensland University of Technology
- Associate Editor, Heart Lung Circulation (2 staff members)
- Editorial board for Cardiac Failure Review
- Editorial board for Medicine Today
- Editorial board for Cardiology Today
- Associate Cardiac Editor, Australasian Journal of Ultrasound in Medicine
- European Cardiac Obstetric Registry (only Australian representative)
- National Heart Foundation of Australia and Cardiac Society of Australia and New Zealand (CSANZ) Heart Failure Guidelines Working Group (Chair)
- Therapeutic Guidelines Cardiovascular Expert Group
- Australian Government Medical Services Advisory Committee (MSAC)
- National Heart Foundation Research Committee
- CSANZ Board
- CSANZ Education Trust Board of Trustees
- CSANZ Queensland Regional Secretary
- Medicare Benefits Schedule Review Cardiac Services Clinical Committee
- Australian Government Department of Health Clinical Quality Registries Expert Advisory Group
- Australian National Genetic Heart Disease Registry
- Australian Cardiac Genetic Testing (AGCT) collaborative

- Brisbane Diamantina Health Partners Evidence and Innovation in Clinical Care Theme Leadership Group
- Queensland Heart Failure Service Steering Committee (Co-chair), Cardiac Outcomes Registry Steering Committee (Co-Chair), and Heart Failure Reporting Outcomes registry (Chair)
- Queensland Cardiovascular Research Network Steering Committee

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Roberts, Tiffany	MPhil	Rural Hospital Chart Audit on Cardiac Investigations	Adam Scott , Robert Mullins
Martin, Curtis	Honours	Remote Control Exercise Stress Testing	Adam Scott
Guppy-Coles, Kris	PhD, UQ (2013-2017)	Novel 3D echocardiography techniques of left ventricular functional assessment: utilisation in routine clinical practice and screening	John Atherton , Sandhir Prasad , Arnold Ng
Poulter, Rohan	PhD, UQ (from 2012) (part-time, deferred)	Evaluating the diagnostic performance of dual energy cardiac computed tomography.	John Atherton , John Younger
Lo, Ada	PhD, UQ (from 2014) (part-time)	Identification of new echocardiographic parameters in distinguishing between familial cardiomyopathy genotypic positive patients with and without phenotypic expression.	John Atherton , Arnold Ng, William Wang
Lancini, Daniel	PhD, UQ (from 2015) (part-time)	Atrial fibrillation in the hospital setting.	Paul Martin , Sandhir Prasad , John Atherton , Louise Cullen , Robert Boots
Prasad, Sandhir	PhD, UQ (from 2017) (part-time)	Left ventricular diastolic dysfunction following myocardial infarction: prevalence, predictors and prognosis.	John Atherton , John Younger
Conradie, Andre	MPhil, UQ (from 2016) (part-time)	Determining an absolute risk model (calculator) to optimise the use of DAPT in patients presenting with acute coronary artery syndromes.	John Atherton , Stephen Worthley
Wicramasingha Arachchilage, Nuwan	Master App Sci (Res), QUT (from 2017)	The clinical utility of salivary galectin-3 in heart failure.	Chamindie Punyadeera, Nathan Subramaniam, John Atherton
McCreanor, Victoria	PhD, QUT	Identifying high value care for stable coronary artery disease in Australia. Prof Nick Graves.	N Graves, A Barnett, W Parsonage
Foran, Laura	MPhil, QUT	Clinical presentation characteristics of Aboriginal and Torres Strait Islander patients presenting to an Emergency Department with suspected Acute Coronary Syndrome	R Mahoney, W Parsonage , M Gatton, L Cullen

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
William Parsonage	Professor and Clinical Director	Australian Centre for Health Service Innovation	QUT (2016-)
Adam Scott	Adjunct Professor	Faculty of Health	QUT (2009–2018)
John Atherton	Professor of Cardiology and Heart Failure Management	Faculty of Science, Health, Education and Engineering	University of Sunshine Coast (2017-2020)
John Atherton	Honorary Fellow	Department of Medicine, Royal Melbourne Hospital, Faculty of Medicine, Dentistry and Health Sciences	The University of Melbourne (2017-2021)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Adam Scott	Adam Scott, Alice McDonald, Tiffany Roberts, John Atherton, Paul Scuffham	Tele-Cardiac Investigations to support rural/regional hospitals
Kris Guppy-Coles, John Atherton, Sandhir Prasad	Arun Dahiya, Arnold Ng, Kym Smith, Ada Lo, Sam Hillier	Novel 3D echocardiography techniques of left ventricular functional assessment: utilisation in routine clinical practice and screening
Ada Lo, John Atherton	Arnold Ng, William Wang, Sandhir Prasad	Identification of new echocardiographic parameters in distinguishing between familial cardiomyopathy genotypic positive patients with and without phenotypic expression.
Sandhir Prasad, John Atherton, John Younger	Liza Thomas, Tony Stanton, James Anderson, Ada Lo, Joanne Sippel, Christopher Kwan, Kym Smith	Left ventricular diastolic dysfunction following myocardial infarction: prevalence, predictors and prognosis.
Sandhir Prasad, John Atherton, Kristyan Guppy-Coles, Po-Ling Inglis, Joanne Sippel	Kym Smith, Ada Lo, Arun Dahiya	Evaluation of oncology staff performing 3D-echocardiographic left ventricular function assessment for monitoring chemotherapy-induced cardiotoxicity.
Sanjoy Paul, Olga Montvida, John Atherton	Kerenaftali Klein, Julius Agbeve	Evaluation of the association of old and new anti-diabetes drugs with the risk of heart failure in patients with type 2 diabetes.
Cullen L, Parsonage W, McCormack L, Grenslade J	Cullen L, Parsonage W, McCormack L, Milburn T, Starmer G, Stone R, Starmer K, Grenslade J	The impact of ImpACT: A protocol to improve emergency chest pain assessment
Daniel Lancini, Paul Martin, Sandhir Prasad	Rob Boots	New onset atrial fibrillation in the critically ill
Daniel Lancini, Paul Martin, Sandhir Prasad	Louise Cullen, Jaimi Greenslade	Atrial fibrillation in the emergency chest pain presentation
Arun Dahiya, Rick Jackson (Logan Hospital)	Arun Dahiya	Advanced Cardiovascular Imaging in Patients with Myotonic Dystrophy.

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Alison Mudge, Charles Denaro, Adam Scott, Julie Adsett, Robert Mullins, G Javorsky, John Atherton, Paul Scuffham, Thomas Marwick, Peter O'Rourke (Department of Internal Medicine and Aged care)	Adam Scott, John Atherton	A supervised exercise programme following hospitalisation for heart failure: does it add to disease management?
Mary Courtney, Jo Wu, Steven McPhail, John Atherton (ACU)	John Atherton	The Cardiac/Diabetes TRANS-CARE Project
Jo Wu, John Atherton , Anne Chang, Mary Courtney, Esben Strodl, Steven McPhail (QUT)	John Atherton	Improving delivery by Ehealth- Assurance for Life (IDEAL)
Chamindie Punyadeera, John Atherton , Benjamin Schulz, Goce Dimeski, Karam Kostner (QUT)	John Atherton	Novel diagnostics for heart failure
Robyn Clark, Vincent Versace, Munir Chowdhury, Alexandra McCarthy, John Atherton , Bogda Koczwara, David Roder (Flinders University)	John Atherton	Characteristics of haematologic and breast cancer patients (1996-2009) who died of heart failure-related causes with and without a prior heart failure hospitalization- A linked health data analysis.
Robyn Clark, Alexandra McCarthy, Robyn Peters, John Atherton (Metro South HHS)	John Atherton	A retrospective clinical audit of medical records to examine the journey through the healthcare system of patients who have developed cardiomyopathy after anticancer therapy.
Robyn Clark, Alexandra McCarthy, John Atherton , Bogda Koczwara, Narelle Berry, Tania Marin, Kerri Gillespie, Jonathon Foote, Sina Vatandoust. (Flinders University)	John Atherton	Development of a cardiotoxicity cardiovascular risk assessment tool.

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Sanjoy Paul, Olga Montvida, John Atherton , Kerenaftali Klein, Julius Agbeve (QIMR)	John Atherton	Evaluation of the association of old and new anti-diabetes drugs with the risk of heart failure in patients with type 2 diabetes.
Joseph Selvanayagam, Sanjay Prasad, Andrew McGavigan, Graham Hillis, Werner Jung, Laurent Billot, Suchi Grover, John Atherton (SAHMRI)	John Atherton, John Younger, Paul Martin	Cardiovascular Magnetic Resonance GUIDEd management of mild-moderate left ventricular systolic Heart Failure (CMR GUIDE HF).
Briffa T, Cullen L , Chew D, Knuiman M, Fatovich D, Hickman P, Parsonage W , Nedkoff L, Sanfilippo F, Hillis G, Mitra B, Wilkes G, Schneider H, Rankin J, Karnon J, Scanlan S, Stapleton S, Mather V.	William Parsonage, Louise Cullen	Is highly-sensitive troponin testing advancing clinical practice, improving outcomes and cost-effective in the investigation and management of chest pain in the Emergency Department?
Elizabeth Sullivan, Rachael Cordina Dominica Zentner, Michael Peek Rachael Cordina, Lisa Simmons Lawrence Lam, David Celermajer, Wendy Pollock, Karin Lust , Jon Hyett, William Parsonage , Zhuoyang Li	William Parsonage	Australasian Maternity Outcomes Surveillance System (AMOSS) longitudinal study of first-time NSW/ACT mothers with heart disease and their babies
Jodie Ingles, Christopher Semsarian, John Atherton , Rajesh Puranik, Tim Driscoll, Aldo Saavedra, Alexander Judge, Ron Grunstein, David Sullivan, Amanda Salis (University of Sydney)	John Atherton	Nonfamilial hypertrophic cardiomyopathy

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Tom Marwick, Liza Thomas, Andrew Taylor, Andrew Spencer, Andre La Gerche, Con Tam, Sherene Loi, Peter Mollee, John Atherton , Paul Harnett (Baker IDI)	John Atherton, Sandhir Prasad, Joanne Sippel, Arun Dahiya, Louise McCormack, John Younger	Benefit of 2D-strain surveillance in improving cardiovascular outcomes in cancer patients undergoing cardiotoxic chemotherapy.

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Adam Scott	Outstanding Leadership in Research, Learning and Innovation Award,	CAHRLI (Collaboration for Allied Health Research, Learning and Innovation) Conference, Qld Health, Australia.
Daniel Lancini	Queensland Health's Junior Doctor Research Fellowship	Health Innovation, Investment and Research Office, Department of Health

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Briffa T, Cullen L , Chew D, Knuiman M, Fatovich D, Hickman P, Parsonage W , Nedkoff L, Sanfilippo F, Hillis G, Mitra B, Wilkes G, Schneider H, Rankin J, Karnon J, Scanlan S, Stapleton S, Mather V.	Cardiology and Emergency Medicine	Is highly-sensitive troponin testing advancing clinical practice, improving outcomes and cost-effective in the investigation and management of chest pain in the Emergency Department?	National Health & Medical Research Council (Project Grant APP1122792)	\$29,925.00	\$1,197,000.00
T Marwick, L Thomas, A Taylor, A Spencer, A La Gerche, C Tam, S Loi, P Mollee, J Atherton , P Harnett.	Cardiology and Oncology	Benefit of 2D-strain surveillance in improving cardiovascular outcomes in cancer patients undergoing cardiotoxic chemotherapy.	National Health & Medical Research Council (Project Grant APP 1119955)	\$478,395.80	\$2,391,979.00 (5 years: 2017-2021)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Adam Scott, John Atherton	Tele-Cardiac Investigations/ Cardiology RBWH	Statewide Tele-Cardiac Investigations	Health Improvement Unit, Metro North HHS, Qld Health	\$543,000.00	\$1.629 million (3 years)
Cullen L, Parsonage W, McCormack L, Milburn T, Starmer G, Stone R, Starmer K, Greenslade J	Cardiology and Emergency Medicine	The impact of ImpACT: A protocol to improve emergency chest pain assessment.	Australian Centre for Health Service Innovation (AusHSI Partnership Grant)	\$36 666.00	\$110 000
P Donovan, I Coombes, C Denaro, J Atherton, M Barras, B Tai.	RBWH Clinical Pharmacology, Pharmacy, Internal Medicine and Aged Care, Cardiology	Development of a therapeutic range for enoxaparin in patients with renal impairment.	Royal Brisbane and Women's Hospital 2017 Research Project Grant	\$40,000.00	\$40,000.00 (1 year: 2017)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Bagai A, Goodman SG, Cantor W, Vicaut E, Bolognese L, Cequier A, Chettibi M, Hammett CJ , Huber K, Janzon M, Lapostolle F, Lassen JF, Merkely B, Storey RF, ten Berg J, Zeymer U, Diallo A, Hamm C, Tsatsaris A, El Khoury J, van't Hof A, Montalescot G. Duration of Ischemia and Treatment Effects of Pre- Versus In-Hospital Ticagrelor in Patients with ST-Segment Elevation Myocardial Infarction: Insights from the ATLANTIC study. Am Heart J 2017; 196: 56-64
Journal article	Cayla G, Lapostolle F, Ecollan P, Stibbe O, Benezet J, Henry P, Hammett CJ , Lassen J, Storey R, Berg J, Hamm C, van't Hof A, Montalescot G, for the Action Study Group. Pre-Hospital ticagrelor in ST-segment elevation myocardial infarction in the French Atlantic population. Int J Cardiol 2017; 244:49-53
Journal article	Fabris E, van't Hof A, Hamm C, Lapostolle F, Lassen JF, Goodman S, ten Berg J, Bolognese L, Cequier A, Chettibi M, Hammett C , Huber K, Janzon M, Merkely B, Storey R, Zeymer U, Cantor W, Rousseau H, Vicaut E, Montalescot G. Impact of presentation and transfer delays on complete ST-segment resolution before primary percutaneous coronary intervention: insights from the ATLANTIC trial. Eurointervention 2017; 13:69-77
Journal article	Greenslade JH, Nayer R, Parsonage W , Doig S, Young J, Pickering JW, Than M, Hammett C , Cullen L. Validating the Manchester Acute Coronary Syndromes (MACS) and Troponin-only-Manchester Acute Coronary Syndromes (T-MACS) rules for prediction of acute myocardial infarction in patients presenting to Emergency with chest pain. Emergency Medicine Journal 2017; 34(8) 517-523
Journal article	Ruane L, Greenslade JH, Parsonage W , Hawkins T, Hammett CJ , Lam C, Knowlman T, Doig S, Cullen C. Differences in presentation, management and outcomes in women and men presenting to an emergency department with possible cardiac chest pain. Heart, Lung and Circulation 2017; 26: 1282-90
Journal article	Astley C, Ranasinghe I, Brieger D, Ellis C, Redfern J, Briffa T, Aliprandi-Costa B, Howell T, Bloomer SG, Gamble G, Driscoll A, Hyun K, Hammett CJ , Chew DP. Expertise and Infrastructure capacity impacts acute coronary syndrome outcomes. Australian Health Review 2017; Published online 20 April 2017
Journal article	Brooks M, Ellis C, Gamble G, Devlin G, Elliott J, Hammett C , Chew D, French J, Briffa T, Redfern J, Rankin J, Hyun K, D'Souza M, Brieger D. A Comparison of Radial and Femoral Coronary Angiography in Patients From SNAPSHOT ACS, a Prospective Acute Coronary Syndrome Audit in Australia and New Zealand. Heart, Lung and Circulation 2017;26(3) 258-267

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Etaher A, Chew DP, Redfern J, Briffa TG, Ellis C, Hammett CJ , Lefkovits J, Elliott J, Cullen L, Brieger D, French JK. Suspected ACS Patients Presenting with Myocardial Damage or a Type 2 Myocardial Infarction have a Similar Late Mortality to Patients with a Type 1 Myocardial Infarction; A report from the Australian and New Zealand 2012 SNAPSHOT ACS study. <i>Heart, Lung and Circulation</i> 2017; 26:1051-1058
Journal article	Knowlman T, Greenslade JH, Parsonage W, Hawkins T, Ruane L, Martin P, Prasad S , Lancini D, Cullen L. <i>Acad Emerg Med.</i> 2017 Mar;24(3):344-352. doi: 10.1111/acem.13123 The Association of Electrocardiographic Abnormalities and Acute Coronary Syndrome in Emergency Patients With Chest Pain.
Journal article	Go G, Davies KT, O'Callaghan C, Senior W, Kostner K, Fagermo N, Prasad SB . Negative predictive value of Dobutamine stress echocardiography for perioperative risk stratification in patients with cardiac risk factors and reduced exercise capacity undergoing non-cardiac surgery. <i>Intern Med J.</i> 2017 Dec;47(12):1376-1384. doi: 10.1111/imj.13629
Journal article	S Binny, S Tomlinson, C Hammett, A Dahiya, E Pillai, SB Prasad. A rare case of a pericardial mass: Myeloid sarcoma from relapsed acute monoblastic leukaemia without bone marrow involvement. <i>Australasian Journal of Ultrasound in Medicine</i> 20 (4), 178-1
Journal article	SB Prasad. Echocardiography: The Normal Examination and Echocardiographic Measurements (3rd edn) Bonita Anderson RRP: \$159.00 ISBN 9780992322212 . <i>Australasian Journal of Ultrasound in Medicine</i> 20 (2), 91-91
Journal article	Koitka K, Dahiya A, Lo A, Scalia GM, Atherton JJ, Prasad SB. Myofibrillar cardiomyopathy due to a novel desmin gene mutation: Complementary role of echocardiography, cardiac magnetic resonance and genetic testing in delineating diagnosis. <i>CASE: Cardiovascular Imaging Case Reports</i> 2017;1(1):23-7.
Journal article	Bing R, Goodman S, Yan A, Fox K, Gale CP, Hyun K, D'Souza M, Shetty P, Atherton J, Hammett C , Chew D, Brieger D. Clinical risk stratification in non-ST elevation acute coronary syndromes - an analysis from the CONCORDANCE registry. <i>Eur Heart J Qual Care Clin Outcomes</i> 2017 (in press)- accepted 29/12/17.
Journal article	Mudge AM, Denaro CP, Scott AC, Meyers D, Adsett JA, Mullins RW, Suna JM, Atherton JJ, Marwick TH, Scuffham P, O'Rourke P. Addition of supervised exercise training to a post-hospital disease management program for patients recently hospitalized with acute heart failure: the EJECTION-HF randomized phase 4 trial. <i>JACC Heart Failure</i> 2017 (in press)- accepted 28/11/17.
Journal article	Chan J, Chao C, Younger J, Lo A, Dahiya A, Atherton JJ, Jalali H, Prasad S. Eustachian valve endocarditis: case report and literature review. <i>Australasian Journal of Ultrasound in Medicine</i> 2017 (in press)- accepted 1/11/17. doi: 10.1002/ajum.12078
Journal article	Donald KM, Troughton R, Dahlstrom U, Dargie H, Krum H, van der Meer P, McDonagh T, Atherton J , San George R, Kupfer K, Richards M, Doughty R. Daily home B-type natriuretic peptide monitoring in heart failure for prediction of impending clinical deterioration: Results from the HOME HF study. <i>Eur J Heart Fail</i> 2017 (in press)- accepted 27/9/17.
Journal article	Montvida O, Shaw J, Atherton JJ , Stringer F, Paul SK. Long-term trends in antidiabetic drug usage in the US: Real-world evidence in patients newly diagnosed with type 2 diabetes. <i>Diabetes Care</i> 2017 (in press)- accepted 26/9/17. doi:10.2337/dc17-1414
Journal article	Chow CK, Thiagalingam A, Santo K, Kok C, Thakkar J, Stepien S, Billot L, Jan S, Joshi R, Hillis GS, Brieger D, Chew DP, Rådholm K, Atherton JJ , Bhindi R, Collins N, Coverdale S, Hamilton-Craig C, Kangaharan N, Maiorana A, McGrady M, Shetty P, Thompson P, Wates J, Rogers A, Redfern J. TEXT messages to improve MEDication adherence and Secondary prevention (TEXTMEDS) after acute coronary syndrome: a randomised clinical trial protocol. <i>BMJ Open</i> 2017 (in press)- accepted 11/9/17.
Journal article	Clark RA, Marin TS, Berry NM, Atherton JJ , Foote JW, Koczwara B. Cardiotoxicity and cardiovascular disease risk assessment for patients receiving breast cancer treatment. <i>Cardio-Oncology</i> 2017;3:6. DOI 10.1186/s40959-017-0025-7. Accepted 5/9/17.
Journal article	Richardson E, Spinks C, Davis A, Turner C, Atherton J, McGaughan J, Semsarian C, Ingles J. Psychosocial implications of living with catecholaminergic polymorphic ventricular tachycardia in adulthood. <i>2017 J Genet Couns</i> 2017 (in press)- accepted 1/9/17.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Zhang X, Walsh T, Atherton JJ , Kostner K, Schulz B, Punyadeera C. Identification and validation of a salivary protein panel to detect heart failure early. <i>Theranostics</i> 2017;7:4,350-8. (in press)-accepted 24/8/17.
Journal article	Franzon J, Berry N, Ullah S, Versace V, McCarthy A, Atherton J , Roder D, Kocswara B, Coghlan D, Clark R. Heart failure following blood cancer therapy in pediatric and adult populations. <i>Asia Pac J Clin Oncol</i> 2017 (in press)- accepted 21/8/17.
Journal article	Sweeting J, Ball K, McGaughran J , Atherton J , Semsarian C, Ingles J. Impact of the implantable cardioverter defibrillator on confidence to undertake physical activity in inherited heart disease: a cross-sectional study. <i>Eur J Cardiovasc Nurs</i> 2017 (in press)- accepted 29/5/17. doi: 10.1177/1474515117715760. PMID: 28613082.
Journal article	Fatkin D, Johnson R, McGaughran J , Weintraub RG, Atherton JJ on behalf of the CSANZ Genetics Council Writing Group. Position statement on the diagnosis and management of familial dilated cardiomyopathy. <i>Heart Lung Circ</i> 2017 (in press)- accepted 10/5/17. doi: 10.1016/j.hlc.2017.04.021. PMID: 28655534.
Journal article	Atherton JJ , Hickey A. Is medication titration in heart failure too complex? <i>Cardiac Failure Review</i> 2017;3:25-32. accepted 22/2/17 (guest editorial). doi: 10.15420/cfr.2017:1:2. PMID: 28785472.
Journal article	Ingles J, Burns C, Bagnall RD, Lam L, Yeates L, Sarina T, Puranik R, Briffa T, Atherton JJ , Driscoll T, Semsarian C. Non-familial hypertrophic cardiomyopathy: prevalence, natural history and clinical implications. <i>Circ Cardiovasc Genet</i> 2017 (in press)- accepted 15/2/17. doi: 10.1161/CIRCGENETICS.116.001620. PMID: 28408708
Journal article	Wu C-J, Sung H-C, Chang A, Atherton J , Kostner K, McPhail SM. Cardiac-diabetes self-management program for Australians and Taiwanese: A randomized block design study. <i>Nurs Health Sci</i> 2017 (in press). accepted 2/2/17. doi: 10.1111/nhs.12346. PMID: 28544230.
Journal article	Wu C-J, Atherton JJ , MacIsaac R, Courtney M, Chang AM, Thompson DR, Kostner K, MasIsaac A, D'Emden M, Graves N, McPhail SM. Effectiveness of the Cardiac-Diabetes Transcare Program: Protocol for a randomised controlled trial. <i>BMC Health Serv Res</i> 2017;17:109. doi: 10.1186/s12913-017-2043-4.
Journal article	Pieske B, Maggioni AP, Lam CSP, Pieske-Kraigher E, Filippatos G, Butler J, Ponikowski P, Shah SJ, Solomon SD, Scalise AV, Mueller K, Roessig L, Gheorghiadu M. Vericiguat in patients with worsening chronic heart failure and preserved ejection fraction: results of the SOLuble guanylate Cyclase stimulator in heart failure patients with PRESERVED EF (SOCRATES-PRESERVED). <i>Eur Heart J</i> 2017;38:1119–27. doi:10.1093/eurheartj/ehw593.
Journal article	Association of High-Sensitivity Cardiac Troponin I Concentration With Cardiac Outcomes in Patients With Suspected Acute Coronary Syndrome. Chapman AR, Lee KK, McAllister DA, Cullen L, Greenslade JH, Parsonage W , Worster A, Kavsak PA, Blankenberg S, Neumann J, Sörensen NA, Westermann D, Buijs MM, Verdel GJE, Pickering JW, Than MP, Twerenbold R, Badertscher P, Sabti Z, Mueller C, Anand A, Adamson P, Strachan FE, Ferry A, Sandeman D, Gray A, Body R, Keevil B, Carlton E, Greaves K, Korley FK, Metkus TS, Sandoval Y, Apple FS, Newby DE, Shah ASV, Mills NL. <i>JAMA</i> . 2017 Nov 21;318(19):1913-1924. doi: 10.1001/jama.2017.17488. Review. PubMed PMID: 29127948
Journal article	ICare-ACS (Improving Care Processes for Patients With Suspected Acute Coronary Syndrome): A Study of Cross-System Implementation of a National Clinical Pathway. Than MP, Pickering JW, Dryden JM, Lord SJ, Aitken SA, Aldous SJ, Allan KE, Ardagh MW, Bonning JWN, Callender R, Chapman LRE, Christiansen JP, Cromhout APJ, Cullen L, Deely JM, Devlin GP, Ferrier KA, Florkowski CM, Frampton CMA, George PM, Hamilton GJ, Jaffe AS, Kerr AJ, Larkin GL, Makower RM, Matthews TJE, Parsonage WA , Peacock WF, Peckler BF, van Pelt NC, Poynton L, Richards AM, Scott AG, Simmonds MB, Smyth D, Thomas OP, To ACY, Du Toit SA, Troughton RW, Yates KM; ICare-ACS Implementation Group. <i>Circulation</i> . 2018 Jan 23;137(4):354-363. doi:10.1161/CIRCULATIONAHA.117.031984. Epub 2017 Nov 14 PubMed PMID: 29138293
Journal article	A Risk Assessment Score and Initial High-sensitivity Troponin Combine to Identify Low Risk of Acute Myocardial Infarction in the Emergency Department. Pickering JW, Flaws D, Smith SW, Parsonage W , Carlton E, Mark Richards A, Troughton R, Pemberton C, George PM, Than MP. <i>Acad Emerg Med</i> . 2017 Nov 13. doi: 10.1111/acem.13343. [Epub ahead of print] PubMed PMID: 29131477.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Implementing change: evaluating the Accelerated Chest pain Risk Evaluation (ACRE) project. Parsonage WA , Milburn T, Ashover S, Skoien W, Greenslade JH, McCormack L , Cullen L. Med J Aust. 2017 Aug 4;207(5):201-205. PubMed PMID: 28987133.
Journal article	Modification of the Thrombolysis in Myocardial Infarction risk score for patients presenting with chest pain to the emergency department. Greenslade JH, Chung K, Parsonage WA , Hawkins T, Than M, Pickering JW, Cullen L. Emerg Med Australas. 2017 Dec 12. doi: 10.1111/1742-6723.12913. [Epub ahead of print] PubMed PMID: 29232768.
Journal article	External validation of heart-type fatty acid binding protein, high-sensitivity cardiac troponin, and electrocardiography as rule-out for acute myocardial infarction. Van Hise CB, Greenslade JH, Parsonage W , Than M, Young J, Cullen L. Clin Biochem. 2017 Oct 18. PubMed PMID: 29054440.
Journal article	Improved Assessment of Chest pain Trial (IMPACT): assessing patients with possible acute coronary syndromes. Cullen L, Greenslade JH, Hawkins T, Hammett C , O'Kane S, Ryan K, Parker K, Schluter J, Dalton E, Brown AF, Than M, Peacock WF, Jaffe A, O'Rourke PK, Parsonage WA . Med J Aust. 2017 Aug 4;207(5):195-200. PubMed PMID: 28987132.
Journal article	Assessment of the 2016 National Institute for Health and Care Excellence high-sensitivity troponin rule-out strategy. Carlton EW, Pickering JW, Greenslade J, Cullen L, Than M, Kendall J, Body R, Parsonage WA , Khattab A, Greaves K. Heart. 2017 Sep 1. [Epub ahead of print] PubMed PMID: 28864718.
Journal article	Characteristics and occurrence of type 2 myocardial infarction in emergency department patients: a prospective study. Greenslade JH, Adikari T, Mueller C, Sandoval Y, Nestelberger T, Parsonage W , Hawkins T, Cullen L. Emerg Med J. 2017 Aug 7. [Epub ahead of print] PMID: 28784608.
Journal article	Rational clinical evaluation of suspected acute coronary syndromes: The value of more information. Hancock DG, Chuang MA, Bystrom R, Halabi A, Jones R, Horsfall M, Cullen L, Parsonage WA , Chew DP. Emerg Med Australas. 2017 Jun 2. [Epub ahead of print] PubMed PMID: 28574204.
Journal article	The organisational value of diagnostic strategies using high-sensitivity troponin for patients with possible acute coronary syndromes: a trial-based cost-effectiveness analysis. Jülicher P, Greenslade JH, Parsonage WA , Cullen L. BMJ Open. 2017 Jun 9;7(6):e013653.
Journal article	Cardiac Troponin and Exercise; Still Much to Learn. Parsonage WA , Ruane L. Heart Lung Circ. 2017 Jul;26(7):645-647 PubMed PMID: 28578913.
Journal article	Direct Comparison of 2 Rule-Out Strategies for Acute Myocardial Infarction: 2-h Accelerated Diagnostic Protocol vs 2-h Algorithm. Wildi K, Cullen L, Twerenbold R, Greenslade JH, Parsonage W , Boeddinghaus J, Nestelberger T, Sabti Z, Rubini-Giménez M, Puelacher C, Cupa J, Schumacher L, Badertscher P, Grimm K, Kozuharov N, Stelzig C, Freese M, Rentsch K, Lohrmann J, Kloos W, Buser A, Reichlin T, Pickering J, Than M, Mueller C. Clin Chem. 2017 May 17. [Epub ahead of print] PubMed PMID: 28515106
Journal article	Rapid Rule-out of Acute Myocardial Infarction With a Single High-Sensitivity Cardiac Troponin T Measurement Below the Limit of Detection: A Collaborative Meta-analysis. Pickering JW, Than MP, Cullen L, Aldous S, Ter Avest E, Body R, Carlton EW, Collinson P, Dupuy AM, Ekelund U, Eggers KM, Florkowski CM, Freund Y, George P, Goodacre S, Greenslade JH, Jaffe AS, Lord SJ, Mokhtari A, Mueller C, Munro A, Mustapha S, Parsonage W , Peacock WF, Pemberton C, Richards AM, Sanchis J, Staub LP, Troughton R, Twerenbold R, Wildi K, Young J. Ann Intern Med. 2017 May 16;166(10):715-724.
Journal article	Panic Disorder in Patients Presenting to the Emergency Department with Chest Pain: Prevalence and Presenting Symptoms. Greenslade JH, Hawkins T, Parsonage W , Cullen L. Heart Lung Circ. 2017 Feb 16. [Epub ahead of print] PubMed PMID: 28256404.
Journal article	A 61-Year-Old Woman with Muscle Fatigue and Increased Cardiac Troponin. Parsonage WA , Mikli JE, Nisbet JC, Hamilton-Craig C, Marshall GA Clin Chem. 2017 Jan;63(1):45-47
Journal article	Factors influencing choice of pre-hospital transportation of patients with potential acute coronary syndrome: An observational study. Lavery T, Greenslade JH, Parsonage WA , Hawkins T, Dalton E, Hammett C, Cullen L. Emerg Med Australas. 2017 Jan 25. doi: 10.1111/1742-6723.12735. [Epub ahead of print]

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Immediate Rule-Out of Acute Myocardial Infarction Using Electrocardiogram and Baseline High-Sensitivity Troponin I. Neumann JT, Sørensen NA, Ojeda F, Schwemer T, Lehmacher J, Gönner S, Jarsetz N, Keller T, Schaefer S, Renné T, Landmesser U, Clemmensen P, Makarova N, Schnabel RB, Zeller T, Karakas M, Pickering JW, Than M, Parsonage W , Greenslade J, Cullen L, Westermann D, Blankenberg S. Clin Chem. 2017 Jan;63(1):394-402.
Book Chapter	'Cardiac disease in pregnancy' in 'Examination Obstetrics and Gynecology' 4th Edition 2017 Eds. Goh J and Flynn M. Elsevier ISBN 9780729542524
Journal Article	Hamilton-Craig CR, Chow CK, Younger JF , Jelinek VM, Chan J, Liew GY. Cardiac Society of Australia and New Zealand position statement executive summary: coronary artery calcium scoring. Med J Aust. 2017 Oct 16;207(8):357-361
Journal Article	Leung B, Younger JF , Stockton K, Muller M, Paratz J. Cardiovascular risk profile in burn survivors. Burns. 2017 Nov;43(7):1411-1417
Journal Article	Liew G, Chow C, van Pelt N, Younger J , Jelinek M, Chan J, Hamilton-Craig C Cardiac Society of Australia and New Zealand Position Statement: Coronary Artery Calcium Scoring. Heart Lung Circ. 2017 Dec;26(12):1239-1251

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	Hammett C . Premature Interruption of DAPT: Data Update on BMS, DES, Resorbable Polymer DES, Bioresorbable Vascular Scaffold. Cardiac Society of Australia and New Zealand 65th Annual Scientific Meeting, Perth 11 August 2017
Oral Invited	Hammett C . The 2017 ESC STEMI Guidelines. STEMI Experts Forum 2017. Sydney 15 September 2017.
Oral Invited	Hammett C . 2017 PCI update. Cardiology Congress Round Up. Sydney 16 September 2017.
Oral Invited	Hammett C . Controversies in medical therapy post-ACS (Beta-Blockers, DAPT duration, NOACs and DAPT). ACS Systems of Care Expert forum 2017, Brisbane 22-23 July 2017.
Oral Invited	Hammett C . AF and ACS – how to balance competing needs (plenary talk and workshops). Bayer Thrombosis College Cardiovascular Alliance 3rd Annual Meeting, Sydney 6-7 May 2017.
Oral Invited	Prasad SB . Echocardiography for Cardiac Amyloid. ASUM Surf, Sand and Soundwaves Conference, Kingscliff, NSW (March 2017).
Oral Invited	Prasad SB . Diastolic Stress Echocardiography. ASUM Surf, Sand and Soundwaves Conference, Kingscliff, NSW (March 2017).
Oral Invited	Prasad SB . Rare Cardiomyopathies ASUM Surf, Sand and Soundwaves Conference, Kingscliff, NSW (March 2017)
Oral Invited	Prasad SB . Assessment of diastolic function, its value in CAD Cardiac Soc of Aust and NZ Imaging Symposium, Perth, WA (Aug 2017)
Oral Invited	Prasad SB . Echocardiography for Heart Failure with Preserved Ejection Fraction ASUM Annual Scientific Meeting, Melbourne, Vic (Nov 2017)
Oral Invited	Prasad SB . Co-arctation of the Aorta. ASUM Annual Scientific Meeting, Melbourne, Vic (Nov 2017)
Oral Invited	Atherton JJ . Multidisciplinary management of heart failure: The Queensland experience. Jilin University International Research Collaboration, Changchun, Jilin Province, China, November 2017.
Oral Invited	Atherton JJ . Enabling effective management for people with cardiac-diabetes conditions (joint presentation with Associate Professor Jo Wu). Jilin University International Research Collaboration, Changchun, Jilin Province, China, November 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	Atherton JJ. Cardiac friendly drugs for Type 2 diabetes- Relevant for which patients? The General Education Day, UQ Centre, University of Queensland, Brisbane, October 2017.
Oral Invited	Atherton JJ. Heart failure: Latest updates on investigations and management. 15th Annual Cairns Hospital Cardiovascular Symposium, Cairns Convention Centre, Cairns, October 2017.
Oral Invited	Atherton JJ. The heart of diabetes: Reducing the risk of cardiovascular death in type 2 diabetes. Heart of Diabetes Webinar, Four Points by Sheraton, Brisbane (National webinar), October 2017.
Oral Invited	Atherton JJ. Cardiology congress roundup: Heart failure. European Society of Cardiology Highlights (Boehringer-Ingelheim sponsored educational meeting), Sydney, September 2017.
Oral Invited	Atherton JJ. Management of HFrEF- Recent guidelines. AstraZeneca sponsored dinner accompanying the European Society of Cardiology (ESC) Congress 2017, Barcelona, Spain, August 2017.
Oral Invited	Atherton JJ. What's hot in heart failure? (plenary session). 65th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand, Perth Convention Centre, Perth, August 2017.
Oral Invited	Atherton JJ. Sacubitril/valsartan (Entresto) in heart failure with a reduced LVEF: Challenging the treatment paradigm. 65th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand, Perth Convention Centre (Novartis stand), Perth, August 2017.
Oral Invited	Atherton JJ. Lessons learnt about ARNI; recent publications and practical implications for use. 65th Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand, Perth Convention Centre (Novartis sponsored breakfast session), Perth, August 2017.
Oral Invited	Atherton JJ. Cardiac failure and diabetes: What you need to know; A cardiologist's perspective. Directions in Diabetes 2017, International Convention Centre, Sydney, July 2017.
Oral Invited	Atherton JJ. Panel discussion- Get with the guidelines- but how? How easy is it really to follow the guidelines? Heart Failure Congress 2017, Brisbane Convention and Exhibition Centre, Brisbane, June 2017.
Oral Invited	Atherton JJ. Medication titration strategies. Heart Failure Meet the Expert Web Broadcast, Riyadh, Saudi Arabia, May 2017. Topic:
Oral Invited	Atherton JJ. Optimisation of heart failure care. Heart Failure Meet the Expert Web Broadcast, Riyadh, Saudi Arabia, May 2017.
Oral Invited	Atherton JJ. The myth of stable heart failure. Heart Failure Meet the Expert Web Broadcast, Riyadh, Saudi Arabia, May 2017.
Oral Invited	Atherton JJ. Multidisciplinary management of heart failure: The Queensland experience. Australian Cardiovascular Nursing College (ACNC) Conference, Brisbane Convention and Exhibition Centre, Brisbane, March 2017.
Oral Invited	Atherton JJ. Network hopes and fears (discussion panel). Cardiac Society of Australia and New Zealand Cardiovascular Clinical Trials Network, Alfred Centre, Melbourne, February 2017.
Oral Invited	Parsonage WA. Australia and New Zealand College of Anaesthetists ASM, May 2017 'Cardiac disease in pregnancy: lessons from an international registry'
Oral invited	Parsonage WA. National Heart Foundation Australia, Women & Heart Disease Forum: Advances in understanding risk, diagnosis and management. Sydney, June 2017 'The burden of cardiac disease in pregnancy'
Oral invited	Parsonage WA. Society of Obstetric Medicine of Australia and New Zealand, ASM, Canberra, October 2017 'Heart Disease and Pregnancy'
Oral	Razak KA, Hawkins AM, Khoo TK, Tran K, Burrage MK, Atherton JJ , Challa VRP, Dahiya A , Jackson RV. Cardiac and respiratory dysfunction in myotonic dystrophy type 1 patients. Gold Coast Health Research Week Conference, Gold Coast, November 2017.
Oral	Paul SK, Atherton J. Real-world evaluation of the cardiovascular safety of novel anti-diabetes therapies in the UK and USA. Circulation 2017;136(Suppl 1): A18527.
Oral	Koitka K, Prasad S, Atherton J. Myofibrillar myopathy due to a novel desmin gene mutation presenting with cardiac conduction abnormality and arrhythmias. Eur Heart J 2017;37:1425-6.
Oral	Paul S, Green JB, Atherton J , Montvida O. Risk of pancreatic diseases by second-line anti-diabetes drug class: Real world based evidence. Diabetologia 2017;60:S69-S70.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster (moderated)	Wu J, Courtney M, Chang A, Atherton J , Macisaac R, McPhail S. Integrity of a multi-site cardiac-diabetes transcare program. Asian Pacific Society of Cardiology Congress, Singapore, July 2017.
Poster	A Singularly Unique Problem in a Dual Pregnancy W Peverill, W Parsonage, S Prasad Heart, Lung and Circulation 26, S242
Poster	Eustachian Valve Endocarditis in an Intravenous Drug Use JCP Loon, C Chao, S Prasad Heart, Lung and Circulation 26, S260-S261
Poster	Prasad SB, Lin A , Stanton T, Kwan C, Sippel J, Hammett C , Thomas L, Atherton J . Diastolic dysfunction assessed by contemporary guidelines and prognosis following myocardial infarction. American Heart Association Scientific Sessions, Circulation 2017;136 (Suppl 1):A17066-A17066.
Poster	Razak KA, Hawkins AM, Khoo TK, Burrage MK, Atherton JJ , Challa VRP, Jackson RV, Dahiya A . Value of screening for cardiac abnormalities in myotonic dystrophy type 1 patients. International Myotonic Dystrophy Consortium Meeting (IDMC-11), San Francisco, California, September 2017.
Poster	Clark R, McCarthy A, Koczwara B, Atherton J . Cardiotoxicity after cancer treatment: A new frontier for cardio-prevention. Heart Lung Circ 2017;26(Suppl 2):S129-S130.
Poster	Lin A, Armstrong J, Kwan C, Sippel J, Atherton J , Thomas L, Prasad S . Prognostic utility of left atrial minimal volume indexed to body surface area following myocardial infarction. Heart Lung Circ 2017;26(Suppl 2):S270-S271.
Poster	Lin A, Kwan C, Armstrong J, Sippel J , Thomas L, Atherton J, Prasad S . Minimum left atrial volume shows a better correlation with invasively and non-invasively measured LV filling pressures than maximal left atrial volume in patients with myocardial infarction. Heart Lung Circ 2017;26(Suppl 2):S267.
Poster	Franzon J, Berry N, Ullah S, Versace V, McCarthy A, Atherton J , Roder D, Koczwara B, Coghlan D, Clark R. Heart failure following blood cancer therapy in paediatric and adult populations. Heart Lung Circ 2017;26(Suppl 2):S135-S136.
Poster	Hickey A, Adsett J, Atherton JJ, Denaro C , Nunan T, Peters R. A state-wide approach to multidisciplinary care: heart failure evaluation and reporting of outcomes (HERO). Eur J Heart Fail 2017;19(S1):226.
Poster	Zhang X, Schulz B, Walsh T, Atherton J , Kostner K, Punyadeera C. Saliva: linking oral health with heart failure. Eur J Heart Fail 2017;19(S1):518.
Poster	Lin A, Kwan C, Sippel J, Guppy-Coles K, Hammett C , Thomas L, Atherton JJ, Prasad SB . E/e' is a powerful predictor of survival after a first-ever non-ST elevation myocardial infarction. Circulation 2016;134(Suppl 1):A11330.
Poster	Binny S, Atherton J, McGaughan J, Noonan K, Lancini D, Martin P . Brugada pattern resolution after endocardial ablation in a patient with Brugada ARVC Overlap: A case report in SCN5A variant Brugada syndrome. 9th Annual Asia-Pacific Heart Rhythm Society (APHRS) Scientific Session. COEX, Seoul, South Korea, October 2016.

DEPARTMENT OF CLINICAL IMMUNOLOGY AND ALLERGY

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Dr Zihao Tan	Dr Jeremy McComish	The effect of omalizumab on the basophil activation tests on a cohort of patients from a double blind, placebo-controlled, parallel design phase 3 study with 24 weeks treatment phase.

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Navarro, S, Lukas A. 9James Cook University, Cairns Campus)	Dr Roger Prentice	Suppression of chronic asthma with hookworm recombinant TIMP

DEPARTMENT OF CLINICAL PHARMACOLOGY

The Department of Clinical Pharmacology has a number of research focuses, across multiple professional disciplines, reflecting the multidisciplinary makeup of the department. Research staff work collaboratively with the Department of Pharmacy, in areas related to medication safety, the quality use of medicines and the expanding professional role of pharmacists. Clinical Pharmacology continues to work collaboratively with other hospitals within Metro North Hospital and Health Service (Prince Charles Hospital) and Brisbane (Princess Alexandra Hospital).

In addition, the department continues to focus on the role of individualised feedback, of both nursing and medical staff, related to the safety of prescribing and administration of medicines. Karen Davies, Clinical Nurse Consultant for Medication Safety continues to pursue this work and continues with her PhD studies. We have completed our study related to individualised feedback on prescribing practices to medical interns, which produced remarkable improvements in safe prescribing. A particular focus of medication safety relates to inpatient anticoagulant use. A RBWH foundation grant was utilised to attempt to elucidate a therapeutic range for enoxaparin in renal impairment, a Metro North SEED grant is being used to pilot a Support Service for anticoagulant use in two units at RBWH and a systematic review is being undertaken to establish the evidence base for other interventions to improve this practice.

Further, we have started a large study, in collaboration, assessing the benefits of implementing an electronic prescribing system at RBWH and Caboolture Hospital. Lastly, Dr Donovan, Director of Clinical Pharmacology, continues to expand his research interests in the cost-effectiveness of health care and continues to work collaboratively with researchers from within and external to RBWH, including a successful NHMRC project grant in collaboration with, amongst others, QIMR Berghofer.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Brooke Myers	PhD, UQ (2014-current)	Role of the Pharmacist on the Medical Post-Take Ward Round	Ian Coombes , Charles Mitchell, Peter Donovan , Jennifer Whitty
Karen Davies	PhD, UQ (2016-current)	Establishing the validity and reliability of a tool to test competency of nursing medication administration practice using an expert panel review and inter-rater and intra-rater reliability testing	Karen Davies , Karen Whitfield , Ian Coombes , Samantha Keogh

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Phillip Robinson (Rheumatology)	Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care) , Nicola Dalbeth (University of Auckland, Auckland Hospital)	A Health Economic Analysis Of The American College Of Rheumatology Guideline To Monitor Serum Urate Every 6 Months After Reaching Target In Gout Treatment
Ian Coombes (Pharmacy)	Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care) , Michael Barras (Pharmacy), Charles Mitchel (UQ) Brooke Myers, Christy Noble, Trudy Teasdale, Linda Stockwell (Gold Coast University Hospital)	Improving Intern Medical Officer Prescribing through an Intervention of Self-Assessment and Feedback
Hannah Farquhar (Medicine)	Don McLeod (Endocrinology) Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care) , Roger Allison (Cancer Care) , Susan Thomas (Cancer Care) , Lee Tripcony (Cancer Care)	Validating a response to therapy risk stratification system for Medullary Thyroid Cancer
Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care)	Nicola Harper, Dr Danielle Stowasser, Natasha Truloff (Metro North IT), Ian Coombes, (Pharmacy) , Charles Denaro (Internal Medicine) , Timothy Dunn (Caboolture Hospital Pharmacy), Anita Pelecanos (QIMR Berghofer)	Evaluation of the Implementation of Electronic Prescribing using Interrupted Time-Series Analysis at Two Hospitals in Queensland
Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care)	Michael Barras, (Princess Alexandra Hospital), Ian Coombes, Jason Roberts, Ms Carla Scuderi (Pharmacy) , Charles Denaro (Internal Medicine) , John Atherton , Ms Bonnie Tai (Prince Charles Hospital), Ms Anita Pelecanos (QIMR Berghofer)	Development of a therapeutic range for enoxaparin in patients with renal impairment
Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care)	Ian Coombes, Glen Kennedy (Cancer Care Services) , Alison Mudge (Internal Medicine) , Champika Pattullo (Clinical Pharmacology) , Bonnie Tai (Prince Charles Hospital)	Collaborative Optimisation of Anticoagulation (COAG) Pilot Study at RBWH
Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care)	Alison Mudge , Jenny Martin (Uni Newcastle), Michael Barras (Princess Alexandra Hospital), James Rowland , Champika Pattullo	Interventions to improve safety and quality in the management of anticoagulants for therapeutic indications in hospital inpatients: systematic review

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Dr Susan Jordan (Queensland Institute of Medical Research Berghofer), Prof Sallie-Anne Pearson (University of New South Wales), Dr Nirmala Pandeya (University of Queensland), Assoc Prof Michael Coory (Murdoch Children's Research Institute), Dr Katrina Spillsbury (Curtin University of Technology)	Dr Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care)	IMPROVE - Investigating Medication re-Purposing to Reduce risk of Ovarian cancer and Extend survival

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Karen Davies	Second runner-up Three Minute Thesis (3MT)	3MT Competition, School of Pharmacy, University of Queensland July 2017

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Dr Susan Jordan (Queensland Institute of Medical Research Berghofer), Prof Sallie-Anne Pearson (University of New South Wales), Dr Nirmala Pandeya (University of Queensland), Assoc Prof Michael Coory (Murdoch Children's Research Institute), Dr Katrina Spillsbury (Curtin University of Technology), Dr Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care)	Clinical Pharmacology, Internal Medicine and Aged Care	IMPROVE - Investigating Medication re- Purposing to Reduce risk of Ovarian cancer and Extend survival	National Health and Medical Research Council	\$246,104.40	\$438,313.20 (5 years)
Dr Peter Donovan, Michael Barras, (Princess Alexandra Hospital, University of Queensland), Ian Coombes, Jason Roberts, Ms Carla Scuderi, Charles Denaro, John Atherton, Ms Bonnie Tai (Prince Charles Hospital), Ms Anita Pelecanos (QIMR Berghofer)	Clinical Pharmacology, Internal Medicine and Aged Care	Development of a therapeutic range for enoxaparin in patients with renal impairment	RBWH Foundation	\$40,000	
Peter Donovan, Ian Coombes, Glen Kennedy, Alison Mudge, Champika Pattullo, Bonnie Tai (Prince Charles Hospital)	Clinical Pharmacology, Internal Medicine and Aged Care	Collaborative Optimisation of Anticoagulation (COAG) Pilot Study at RBWH	Metro North SEED and LINK grants	\$93,967	

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Chew R, Jongbloed S, Jegatheesan D, Healy H, Ta K , Ungerer K, McWhhinney B, Donovan P, Woods M . Ethambutol Is a Dialysable Drug, and Drug Monitoring Ensures Safety and Therapeuticity. Antimicrobial Agents and Chemotherapy. April 2017. 61(6):AAC.01988-16. DOI 10.1128/AAC.01988-16.
Journal article	Myers B, Mitchell C, Whitty J, Donovan P, Coombes I . Prescribing and medication communication on the post-take ward round: Brief Communications. Internal Medicine Journal. April 2017: 47(4):454-457. DOI 10.1111/imj.13280.
Journal article	Paradissis C, Coombes I, Donovan P, Doran E , Mckean M, Barras M . The type and incidence of adverse drug events in ageing medical inpatients and their effect on length of hospital stay. Journal of Pharmacy Practice and Research. February 2017: 47(5). DOI 10.1002/jppr.1255.
Journal article	Samantha Keogh CS, Julie Flynn, Karen Davies, Nicole Marsh , Claire M Rickard. An observational study of nurses' intravenous flush and medication practice in the clinical setting. Vascular Access 2017;3(1):3--10.
Invited review	Donovan P . Access to Unregistered Drugs in Australia. Aust Prescr. 2017 Oct;40(5):194-196. DOI: 10.18773/austprescr.2017.062

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Mudge A, McRae P, Reade M, Donovan P, Walker P . An interdisciplinary collaborative care model to improve care for older vascular surgical patients. Internal Medicine Society of Australia and New Zealand (IMSanz) annual scientific meeting 2017 Hobart Australia

GASTROENTEROLOGY & HEPATOLOGY DEPARTMENT

Our work has shown that a polyp type called sessile serrated adenoma accounts for approximately one quarter of all colorectal cancers and this knowledge has translated into major changes in colonoscopy practice. This year we have used our intestine-specific, inducible Braf mutant mouse model to demonstrate for the first time that it is the occurrence of the oncogenic Braf mutation which leads to the accumulation of locus-specific DNA methylation events over time and makes these polyps progress. We are now using this model to develop chemoprevention strategies as well as to understand the mechanism underlying these methylation changes.

- Endoscopy research included a multicentre randomised controlled trial into the effect of bowel preparation before video capsule endoscopy on the image quality and diagnostic yield of the study. This trial was initiated at RBWH and includes 5 sites in Australia and New Zealand, and we are currently enrolling patients. The outcome will give answers as to how to best prepare the small bowel before this procedure.
- Another trial with active RBWH endoscopy involvement is the AUSFAP trial, a multicentre randomised controlled trial into the efficacy of dietary butyrylated starch in patients with Familial Adenomatous Adenomatosis. This trial involves dietary supplementation with butyrate in the hope that this will reduce the growth of new or existing lower intestinal polyps. Patients undergo multiple sequential endoscopic procedures to measure the effect. We are getting near the end of the treatment phase of the trial but outcomes are not available yet.
- Collaboration in a multicentre ANZ audit into the adenoma detection rate as a quality indicator in colonoscopy – ongoing data collection and evaluation
- Regular audits of endoscopy performance (such as intubation rates, polyp detection rates) across the department, embedding KPIs into endoscopy practice
- Advancing the Australian experience with the new endoscopic suturing technology – application in complications from bariatric surgery

Richard Skoien has continued to explore translational aspects of hepatology research through his collaboration with Prof Grant Ramm (Hepatic Fibrosis Laboratory, QIMR-B Medical Research Institute). Ongoing projects include studying the roles of microRNAs as non-invasive biomarkers of hepatic fibrosis and cirrhosis-related complications (such as hepatocellular carcinoma and variceal bleeding) and the development of a novel blood test for diagnosing early liver cancer. He has also been prospectively assessing the impact of the Unit's streamlined Hepatoma and Compensated Cirrhosis Follow-up (HACC-FOL) surveillance program with a view to introducing it in other centres.

The Liver Clinical Trials Group, headed by PIs Barbara Leggett and Richard Skoien, remains an active participant in a range of international clinical trials examining new treatments for Chronic Hepatitis B and C, non-alcoholic fatty liver disease, hereditary haemochromatosis and hepatocellular carcinoma.

Inflammatory Bowel Diseases are continuing to increase in incidence across the Asia-Pacific. On average, 17 Australians will be diagnosed with Crohn's disease or ulcerative colitis every day of the year. Our GI research group has contributed to the development of genetic risk scores for stratifying IBD patients, and combining these with biomarkers to improve diagnostic accuracy. The group is also developing strategies to optimize the use of colonoscopy services by the development of risk assessment tools for primary and secondary healthcare providers.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Cheng Liu	PhD, UQ (2016-)	Molecular characterisation of serrated precursors in colorectal carcinoma	Vicki Whitehall, Barbara Leggett , Mark Bettington, Neal Walker

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Jennifer Borowsky	PhD, UQ (2016-)	Morphological and Molecular Characterisation of KRAS-Mutant Colorectal Adenomas and Carcinomas	Vicki Whitehall, Barbara Leggett , Mark Bettington, Neal Walker, Ian Brown
Lochlan Fennell	PhD, USC (2017-)	Understanding the Mechanism Underlying the CpG Island Methylator Phenotype in BRAF Mutant Colorectal Cancer	Vicki Whitehall, Barbara Leggett , Renfu Shao, Min Zhao, Tianfang Wang
Alexandra Kane	PhD, UQ (2017-)	Chemoprevention for Serrated Colorectal Neoplasia	Vicki Whitehall, Barbara Leggett
Anna Weis	PhD, UQ (2014-2017)	New non-invasive methods to detect progression of liver disease and identify patients at highest risk of cirrhosis-related mortality	Richard Skoien , Grant Ramm
Dr Des Patrick	MPhil UQ (2015–2017), Awarded	Effect of pre-admission immunosuppressive therapy and regional transfer versus metropolitan hospital presentation on colectomy rates in severe ulcerative colitis	Dr G Radford-Smith , Dr M Howlett
Dr Zubin Grover	PhD UQ (2011-2017), Awarded	Exclusive enteral nutrition and mucosal healing in newly diagnosed children with Crohn's disease	Dr Peter Lewindon , Dr G Radford-Smith
Dr Anthony Croft	MPhil UQ (2017-2018, commenced)	Risk Assessment for Patients with Gastrointestinal Diseases	Dr G Radford-Smith , Dr Anton Lord
Dr Charmian Chong	MBBS Honours (Year 4)	Predictors of colectomy in an ulcerative colitis inception cohort in Australia	Dr G Radford-Smith

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Joshua Satchwell	Endoscopy	Endoscopy	QHealth
Vicki Whitehall,	Gastroenterological Society of Australia Senior Research Fellow	Colorectal Cancer	Pathology Queensland (2016-current)
Catherine Bond	Postdoctoral Scientist	Colorectal Cancer	QIMR Berghofer (2014-current)
Futoshi Kawamata	Visiting Fellow	Colorectal Cancer	QIMR Berghofer (2016-current)
Diane McKeone	Research Assistant	Colorectal Cancer	QIMR Berghofer (2013-current)
Dr Tony Croft	Conjoint Fellow	Inflammatory Bowel Diseases	UQ (2017-2018)
Dr Des Patrick	Conjoint Fellow	Inflammatory Bowel Diseases	UQ (2015-2017)
Dr Charmian Chong	MBBS Honours (Year 4)	Inflammatory Bowel Diseases	UQ (2016-2017)
Mr Eddie Shen	Honorary research position	Inflammatory Bowel Diseases	QIMR Berghofer (2016-2018)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Mark Appleyard	Jason Hwang, Florian Grimpen	Does bowel preparation alter the diagnostic yield in capsule endoscopy?
Benedict Devereaux	Estella Johns	Asia Pacific SpyGlass Cholangioscopy Registry
Patrick Walsh	Joshua Satchwell	Endoscopic Suturing for Gastrojejunal Outlet Dilatation as a Treatment for Weight Regain After Roux-en-Y Gastric Bypass
Richard Skoien	Anna Weis, Grant Ramm, Leesa Wockner	Serum markers in atypical liver lesions (SMALL) study
Richard Skoien	Olivia Cullen, Mary Fenech, Karen Beckman, Deborah McIntyre, Joanne Mina	The Hepatoma and Compensated Cirrhotic Follow-up (HACC-FOL) programme – a new streamlined, safe and cost-effective model of hepatocellular carcinoma surveillance
Richard Skoien	Anna Weis, Leesa Wockner, Grant Ramm	MicroRNAs as potential serum biomarkers of fibrosis progression and hepatocellular carcinoma development in chronic Hepatitis C
Richard Skoien	Barbara Leggett, Olivia Cullen, Karen Beckman, Anna Weis, Emily Duggan, Grant Ramm	Establishment of a clinical and scientific hepatology database to study factors associated with chronic liver disease
Richard Skoien	Anna Weis, Grant Ramm	Developing a novel blood test to improve the early diagnosis of liver cancer
Richard Skoien	Phoebe Thwaites, Alicia Braund, Amy Legg, Karen Beckman, Joanne Mina, Deborah McIntyre, Olivia Cullen, Mary Fenech, Tom Zhou, Andrew Hallam, Tony Rahman, Marnie Wood, Barbara Leggett	Optimising the impact of direct-acting anti-viral treatment in Hepatitis C: Lessons from a universal access, real-world cohort

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Barbara Leggett	Conjoint Gastroenterology Laboratory (A/Prof Vicki Whitehall, Dr Catherine Bond, Dr Futoshi Kawamata, Dianne McKeone) QIMR Berghofer (A/Prof Nicola Waddell, Medical Genomics, Dr Ann-Marie Patch, Medical Genomics, Dr Katia Nones, Medical Genomics, John Pearson, Genome Informatics, A/Prof Gunter Hartel, Statistics, Dr Jason Lee, Control of Gene Expression, Dr Adrian Wiegman, Tumour Microenvironment, Dr David Frazer, Iron Metabolism) Envoi Specialist Pathologists (Dr Mark Bettington, A/Prof Neal Walker, Dr Ian Brown, A/Prof Christophe Rosty) Dr Matthew Burge, Cancer Care Services Dr Helen Marfan, Genetic Health Queensland Prof Michael Bourke, University of Sydney, Westmead Hospital A/Prof Daniel Worthley, South Australian Health and Medical Research Institute	<u>Colorectal cancer</u> <ul style="list-style-type: none"> • The molecular alterations causing progression of the serrated polyp to colorectal cancer and better identification of high risk polyps • Utilising a mouse model to understand the association of BRAF mutation with DNA methylation in the serrated neoplastic pathway and as a pre-clinical model of chemoprevention strategies • Discovering further genetic changes underlying different subtypes of colorectal cancer which may enable improved chemotherapy options • Understanding clonal heterogeneity in primary and metastatic colorectal cancers
Graham Radford-Smith	Members of the ANZ IBD Consortium (Grant Montgomery, Jane Andrews, Ian Lawrance, Richard Geary, Susie Connor et al)	Multiple studies in IBD
Graham Radford-Smith	Simon Keely	Hypoxia and the intestinal immune system
Graham Radford-Smith	Lisa Simms, Mark Appleyard, Anton Lord	Optimizing Gastrointestinal (GI) cancer screening in Queensland: the application of clinical, genetic and faecal biomarkers to improve the early detection of GI cancers

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Finlay Mcrae (Melbourne)	Florian Grimpén, Mark Appleyard	AUSFAP study - The effects of butyrylated high amylose maize starch on polyposis in familial adenomatous polyposis patients
Armin MA, Barnes N, Alvarez J, Li H, Salvado O. (CSIRO)	Florian Grimpén	Automated visibility map of the internal colon surface from colonoscopy video
Gregor Brown (The Alfred Hospital, Melbourne)	Florian Grimpén, Mark Appleyard, Lauren White	Using Adenoma Detection as a Quality indicator in colonoscopy: a multicentre ANZ Audit
Amy Legg	Florian Grimpén, Peter Donovan	PPI usage in RBWH inpatients – Indications and Appropriateness
Alan Cripps	Benedict Devereaux	Mechanisms of mucosal immune regulation in obesity
Stuart Roberts and Geoffrey McCaughan (on behalf of the ALA CRN)	Barbara Leggett, Richard Skoien	Mycophenolate Mofetil in autoimmune hepatitis patients with sub-optimal outcomes to standard treatment: The Tapestry Study
Patricia Valery (QIMRB)	Richard Skoien	Cirrhosis Care (CirCare) study: understanding patient and health system factors that impact on health outcomes for patients with cirrhosis
Alan Moss (Western Health, Melbourne)	Mark Appleyard, Florian Grimpén, Matthew Remedios, Nicholas Tutticci, Kimberley Ryan	Complications of Cold snare versus Hot snare endoscopic mucosal resection of >10mm sessile colonic polyps: a retrospective cohort study
Nam Nguyen (Royal Adelaide Hospital)	Mark Appleyard, Florian Grimpén, Abdunasser Lafta, Kimberley Ryan	A single center randomized controlled study on the effectiveness of a transparent cap-assisted device in the endoscopic management of high-grade food bolus obstruction in the upper esophagus
Nam Nguyen (Royal Adelaide Hospital)	Mark Appleyard, Florian Grimpén, Abdunasser Lafta, Kimberley Ryan	The utility of the Glasgow-Blatchford score in predicting clinical outcome and stratifying the need for therapeutic intervention in hospitalised patients with upper gastrointestinal bleeding: a prospective validating study
Greg Anderson (QIMRB)	Graham Radford-Smith (Gastroenterology & Hepatology)	A novel nanoparticulate iron supplement and its effect on the gastrointestinal tract.
John Croese (QH)	Graham Radford-Smith (Gastroenterology & Hepatology)	Hookworm therapy for Coeliac Disease: A randomised, double blind, placebo-controlled clinical trial

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Anna Weis	Discovery and Research Innovation Award	RBWH Healthcare Symposium 2017
Dr L White	RBWH postgraduate scholarship	
Ms A Marsh	RBWH postgraduate scholarship	

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Finlay Mcrae, Mark Appleyard, Florian Grimpén et al	Department of Gastroenterology	The effects of butyrylated high amylose maize starch on polyposis in familial adenomatous polyposis patients	Cancer Council	\$70,000	\$200,000 (2014-17)
Whitehall V, Leggett B , Pollock P, Bettington M, Lee J	Conjoint Gastroenterology Laboratory	Sessile serrated adenoma prevention in a preclinical study	Cancer Council Queensland	\$100,000	\$200,000 (2016, 2017)
Anna Weis, Grant Ramm, Richard Skoien	Gastroenterology and Hepatology	Developing a novel blood test to improve the early diagnosis of liver cancer	Cromwell Property Trust Foundation (via the Australian Liver Foundation)	\$50,000	\$150,000 (2015-2018)
Anna Weis, Grant Ramm, Richard Skoien	Gastroenterology and Hepatology	Assessing the potential of circulating microRNAs as biomarkers of disease severity in cirrhosis	RBWH and RBWH Foundation (Research Advisory Committee)	\$40,000	\$40,000 (2017)
Radford-Smith GL	IBD group, RBWH	Implementation of a point of care assay for Infliximab and faecal calprotectin to optimize IBD patient care	GESA	\$15,000.00	\$15,000.00
David Clark, Matthew Burge, Anton Lord, Lisa Simms	Colorectal Research Unit/ IBD Research Group	Precision medicine for colorectal cancer: defining a pre-diagnostic signature	RBWH Foundation	\$20 000	1 year
Mark Appleyard, Graham Radford-Smith, Anton Lord	IBD Research Group / Gastroenterology, RBWH	Development of risk assessment tools to improve clinical triage accuracy investigations	RBWH Foundation	\$20 000	1 year

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Bettington M, Walker N, Rahman T, Vandeleur A, Whitehall V, Leggett B , Croese J. High prevalence of sessile serrated adenomas in contemporary outpatient colonoscopy practice. Int Med J 2017; 47:318-323
Journal article	Bettington M, Walker N, Rosty C, Brown I, Clouston A, McKeone D, Pearson S-A, Leggett B , Whitehall V. Clinicopathological and molecular features of sessile serrated adenomas with dysplasia or carcinoma. Gut 2017; 66:97-106

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Lui C, McKeone DM, Walker NI, Bettington ML, Leggett BA, Whitehall VLJ. GNAS mutations are present in colorectal traditional serrated adenomas, serrated tubulovillous adenomas and serrated adenocarcinomas with adverse prognostic features. <i>Histopathology</i> 2017; 70:1079-1088
Journal article	Scarpa A, Chang DK, Nones K, Corbo V, Patch A-M, Bailey P, Lawlor RT, Johns AL, Miller DK, Mafficini A, Rusev B, Scardoni M, Antonello D, Barbi S, Sikora K, Cingarlini S, Vicentini C, McKav S, Quinn MCJ, Bruxner TJC, Christ AN, Harliwong I, Idrisoglu S, McLean S, Nourse C, Nourbakhsh E, Wilson PJ, Anderson MJ, Fink JL, Newell F, Waddell N, Holmes O, Kazakoff SH, Leonard C, Wood S, Xu Q, Nagaraj SH, Amato E, Dalai I, Bersani S, Cataldo I, Dei Tos AP, Capelli P, Davi MV, Landoni L, Malpaga A, Miotto M, Whitehall VLJ, Leggett BA , Harris JL, Harris J, Jones MD, Humphris J, Chantrill LA, Chin V, Nagrial AM, Pajic M, Scarlett CJ, Pinho A, Rooman I, Toon C, Wu J, Pinese M, Cowley M, Barbour A, Mawson A, Humphrey ES, Colvin EK, Chou A, Lovell JA, Jamieson NB, Duthie F, Gingras M-C, Fisher WE, Dagg RA, Lau LMS, Lee M, Pickett HA, Reddel RR, Samra JS, Kench JG, Merrett ND, Epari K, Nguyen NQ, Zeps N, Falconi M, Simbolo M, Butturini G, Van Buren G, Partelli S, Fassan M, Khanna KK, Gill AJ, Wheeler DA, Gibbs RA, Musgrove EA, Bassi C, Tortora G, Pederzoli P, Pearson JV, Waddell N, Biankin AV, Grimmond SM. Whole-genome landscape of pancreatic neuroendocrine tumours. <i>Nature</i> 2017; 543:65-71
Journal article	Fennell L, Clendenning M, McKeone D, Jamieson S, Balachandra S, Borowsky J, Liu C, Kawamata F, Bond C, Rosty C, Burge M, Buchanan D, Leggett B , Whitehall V. RNF43 is less frequently mutated in Lynch Syndrome compared with sporadic microsatellite unstable colorectal cancers. <i>Familial Cancer</i> 2017; published online 01 June 2017
Journal article	Lui C, Walker NI, Leggett BA , Whitehall VLJ, Bettington ML, Rosty C. Sessile serrated adenomas with dysplasia: morphological patterns and correlations with MLH1 immunohistochemistry. <i>Modern Pathology</i> 2017; published on line 28 July 2017
Journal article	Borowsky J, Dumenil T, Bettington M, Pearson S-A, Bond C, Fennell L, Lui C, McKeone D, Rosty C, Brown I, Walker N, Leggett B , Whitehall V. The role of APC in WNT pathway activation in serrated neoplasia. <i>Modern Pathology</i> 2017; published on line 17 November 2017
Journal article	Liao WC, Angsuwatcharakon P, Isayama H, Dhir V, Devereaux B et al. International consensus recommendations for difficult biliary access. <i>Gastrointest Endosc</i> 2017;85:295-304
Journal article	Cox AJ, Zhang P, Bowden DW, Devereaux B , Davoren PM, Cripps AW, West NP. Increased intestinal permeability as a risk factor for type 2 diabetes. <i>Diabetes and Metabolism</i> 2017;43:163-166
Journal article	A standardized imaging protocol for the endoscopic prediction of dysplasia within sessile serrated polyps <i>Gastrointest Endosc</i> Epub 2017 Jul 13. Tate DJ1, Jayanna M2 , Awadie H2, Desomer L2, Lee R2, Heitman SJ2, Sidhu M2, Goodrick K2, Burgess NG1, Mahajan H3, McLeod D3, Bourke MJ1.
Journal article	Valery PC, Clark PJ, McPhail SM, Rahman T, Hayward K, Martin J, Horsfall L, Volk ML, Skoien R , Powell E. Exploratory study into the unmet supportive needs of people diagnosed with cirrhosis in Queensland, Australia. <i>Intern Med J.</i> 2017 Apr;47(4):429-435.
Journal article	Roberts SK, Lim R, Strasser S, Nicoll A, Gazzola A, Mitchell J, Siow W, Khoo T, Hamarneh Z, Weltman M, Gow P, Janko N, Tse E, Mishra G, Cheng EH, Levy M, Cheng W, Sood S, Skoien R , Mitchell J, Zekry A, George J, MacQuillan G, Wigg A, Stuart K, Sievert W, McCaughan G; ALA Clinical Research Network. Efficacy and Safety of Mycophenolate Mofetil in Patients With Autoimmune Hepatitis and Suboptimal Outcomes After Standard Therapy. <i>Clin Gastroenterol Hepatol</i> 2017 Oct 16. doi: 10.1016/j.cgh.2017.09.063.
Journal article	1. Choy MC, Seah D, Gorelik A, Radford-Smith GL , et al. Predicting Response after Infliximab Salvage in Acute Severe Ulcerative Colitis. <i>J Gastroenterol Hepatol.</i> 2017 Dec 21. doi: 10.1111/jgh.14072. [Epub ahead of print]
Journal article	2. Mitrev N, Vande Casteele N, Radford-Smith GL et al. Review article: consensus statements on therapeutic drug monitoring of anti-tumour necrosis factor therapy in inflammatory bowel diseases. <i>Aliment Pharmacol Ther.</i> 2017 Dec;46(11-12):1037-1053
Journal article	3. Chen GB, Lee SH, Montgomery GW, Radford-Smith GL , et al. Performance of risk prediction for inflammatory bowel disease based on genotyping platform and genomic risk score method. <i>BMC Med Genet.</i> 2017 Aug
Journal article	4. Lim MH, Radford-Smith GL . Editorial: faecal microbiota transplantation for ulcerative colitis-not quite there yet? <i>Aliment Pharmacol Ther.</i> 2017 Sep;46(6):630-631.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	5. Irwin J, Ferguson E, Simms LA, Radford-Smith GL , et al. A rolling phenotype in Crohn's disease. PLoS One. 2017 Apr 6;12(4):e0174954.
Journal article	6. Lawrance IC, Baird A, Lightower D, Radford-Smith GL et al. Efficacy of Rectal Tacrolimus for Induction Therapy in Patients With Resistant Ulcerative Proctitis. Clin Gastroenterol Hepatol. 2017 Aug;15(8):1248-1255.
Journal article	7. Radford-Smith GL , Hartnell F, Doecke JD. Editorial: relative efficacy of infliximab and adalimumab in Crohn's disease in an Australian and New Zealand cohort - authors' reply. Aliment Pharmacol Ther. 2017 Mar;45(6):856-857
Journal article	8. Marks E, Naudin C, Nolan G, Radford-Smith GL , et al. Regulation of IL-12p40 by HIF controls Th1/Th17 responses to prevent mucosal inflammation. Mucosal Immunol. 2017 Sep;10(5):1224-1236.
Journal article	9. Doecke JD, Hartnell F, Bampton P, Radford-Smith GL , et al. Infliximab vs. adalimumab in Crohn's disease: results from 327 patients in an Australian and New Zealand observational cohort study. Aliment Pharmacol Ther. 2017 Feb;45(4):542-552.
Journal article	10. Hamilton AL, Kamm MA, De Cruz P, Radford-Smith GL , et al. Serologic antibodies in relation to outcome in postoperative Crohn's disease. J Gastroenterol Hepatol. 2017 Jun;32(6):1195-1203.
Journal article	11. Lord AR, Simms LA, Hanigan K, Radford-Smith GL , et al. Protective effects of Helicobacter pylori for IBD are related to the cagA-positive strain. Gut. 2018 Feb;67(2):393-394.
Journal article	12. Roberts G*, Lord A*, Frankland A, et al. Functional Dysconnection of the Inferior Frontal Gyrus in Young People With Bipolar Disorder or at Genetic High Risk. Biol. Psychiatry. 2017 April;81(8), 718-727.
Journal article	13. Lord A, Li M, Demenescu L, et al. Richness in functional connectivity depends on the neuronal integrity of its structural backbone. Front. Neurosci. 2017 April; 11, 184
Journal article	14. Liebe T, Li S, Lord A, et al. Ractors influencing cardiovascular response to sub-anesthetic ketamine – a randomized, placebo controlled trial. Int. J. Neuropsychopharmacol. 2017 June; 20(11), 909-918.
Journal article	15. Götting F, Borchardt V, Demenescu L, Lord A, et al. Higher interference susceptibility in reaction time task is accompanied by weakened functional dissociation between salience and default mode network. Neurosci. Lett. 2017 March; 649, 34-40.
Published abstracts	1 An Y, Chen C, White L , et al. Accelerated dosing of infliximab induction and endoscopic mucosal healing in patients with acute severe ulcerative colitis J Gastroenterol Hepatol. 2017 Aug; 32, 121-121. 2. White L , Chen C, An Y, et al. Effect of serum human albumin infusion on serum albumin levels in acute severe ulcerative colitis. J Gastroenterol Hepatol. 2017 Aug; 32, 152-153 3. Marsh A, Kinneally J, Lord A, et al. Exploring food avoidance behaviors in outpatients with inflammatory bowel disease: Who, what, and why? J Gastroenterol Hepatol. 2017 Aug; 32, 180-181 4. Lord A, Simms, L, Brown A, et al. Development and evaluation of a risk assessment tool to improve clinical triage accuracy for colonoscopic investigations. ? J Gastroenterol Hepatol. 2017 Aug; 32, 135-135

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Outcomes of percutaneous endoscopic gastrostomy: 6 years of experience at a tertiary hospital. Satchwell J, Grimpen F . Australian Gastroenterology Week, Gold Coast

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Outcomes of endoscopy for food bolus impaction: 6 years of experience at a tertiary hospital. Satchwell J, Grimpén F. Australian Gastroenterology Week, Gold Coast
Posters	Camera motion estimation with Six Degree of Freedom from Colonoscopy Video using Optical Flow and Deep Neural Network. Ali A, Barnes N, Alvarez J, Li H, Grimpen F , Salvado O. International Symposium on Biomedical Imaging, Melbourne
Invited oral	Advances in EUS-FNA Liquid Biopsy Techniques. EUS-TAP Masterclass, Asia-Pacific Digestive Week (APDW) 2017. Hong Kong (Invited speaker: B Devereaux)
Invited oral	Pancreatic cancer: When to stent-Best practice management. Australian Gastroenterology Week (AGW) 2017. Gold Coast (Invited speaker: B Devereaux)
Invited oral	Gastroenterological Society of Australia Infection control in endoscopy consensus statement on carbapenemase-producing Enterobacteriaceae (CPE). Australian Gastroenterology Week (AGW) 2017. Gold Coast (Invited speaker: B Devereaux)
Invited oral	Endoscopic ultrasound-Taskforce Asia-Pacific (EUS-TAP) Masterclass, Hong Kong (September) (Invited speaker: B Devereaux)
Invited oral	National Endoscopic Training Initiative (NETI) Colonoscopy Workshop. Gold Coast University Hospital, Gold Coast (August) (Invited speaker: B Devereaux)
Invited oral	Image Enhanced Endoscopy Master Class. Gold Coast (April) (Invited speaker: B Devereaux)
Invited oral	Gastrointestinal Bleeding: More than the Routine Cases. M Appleyard (invited speaker), Australian Gastroenterology Week, Gold Coast 2017
Invited oral	All Guts no Glory. Annual Conference, Australian and New Zealand College of Anaesthetists. M Remedios (invited speaker) Brisbane May 2017
Invited oral	Endoscopic revision of Roux-en-Y gastric bypass surgery. OSSANZ Postgraduate Course. P Walsh (invited speaker)
Invited oral	Endoscopic Innovations in bariatrics. Inaugural Australian Overstitch Leaders Forum, Sydney. P Walsh (invited speaker)
Invited oral	Endoscopic revision of Roux-en-Y gastric bypass surgery. Inaugural Australian Overstitch Leaders Forum, Sydney. P Walsh (invited speaker)
Oral	Initial Australian Experience with Endoscopic Suturing for Gastrojejunal Outlet Dilatation as a Treatment for Weight Regain after Roux-en-Y Gastric Bypass – An Australian Case Series Joint Scientific Meeting of The Australian and New Zealand Obesity Society and The Obesity Surgery Society of Australia – October 2017. J Satchwell
Poster	Thwaites P, Braund A, Legg A, Beckman K, Mina J, McIntyre D, Cullen O, Fenech M, Zhou T, Hallam A, Rahman T, Wood M, Leggett B, Skoien R. Optimising the impact of direct-acting antiviral treatment in Hepatitis C: Lessons from a universal access, real world cohort. American Association for Study of Liver Disease Meeting 2017, Washington
Invited speaker	Richard Skoien. End-stage liver disease: The hepatologist's perspective. Australia and New Zealand Society of Palliative Medicine Update 2017. Melbourne, Australia.
Invited speaker	Richard Skoien. Hepatocellular carcinoma: The hepatology perspective. Interventional Radiology Society of Australia Meeting 2017. Port Douglas, Australia.
Invited speaker	Richard Skoien Portal hypertension: The tipping point in cirrhosis. Interventional Radiology Society of Australia Meeting 2017. Port Douglas, Australia.
Poster	Phoebe Thwaites, Alicia Braund, Amy Legg, Karen Beckman, Joanne Mina, Deborah McIntyre, Olivia Cullen, Mary Fenech, Mark Redden, Anzel Jansenvan Rensburg, Xinyi (Tom) Zhou, Andrew Hallam, Tony Rahman, Marnie Wood, Barbara Leggett, Richard Skoien. Optimising the impact of direct-acting anti-viral treatment in Hepatitis C: Lessons from a universal access, real-world cohort. The Liver Meeting (AASLD) 2017. Washington DC, USA.
Poster	A Weis, D Smith, L Wockner, I Hoffman, G Ramm, R Skoien. Serum microRNAs as biomarkers for cirrhosis and hepatocellular carcinoma in Hepatitis C. International Liver Congress (EASL) 2017. Amsterdam, Netherlands.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	V Ratziu, VWS Wong, N Lanthier, J Boursier, W Alazawi, J Kluwe, J Genesca, P Andreone, L Serfaty, R Skoien , BL Wiens, P Vig, E Lefebvre, S Seyedkazemi, Z Kayali, F Poordad, A Sanyal, F Tacke, Z Goodman. Hepatic fibrosis is associated with histological activity in non-alcoholic steatohepatitis: an analysis from a large database of screening biopsies in the CENTAUR trial. International Liver Congress (EASL) 2017. Amsterdam, Netherlands.
Poster	J George, P Desmond, J Sasadeusz, D Shaw, R Skoien , K Stuart, BY Hu, A Joy, TP Matias, M Charafeddine, DE Cohen, FM Keane, M Weltman. Efficacy, safety, and long-term outcomes in hepatitis C virus genotype 1-infected patients receiving ombitasvir/paritaprevir/ritonavir and dasabuvir ± ribavirin: TOPAZ-I interim data from Australia. Australian Gastroenterology Week (AGW) 2017. Gold Coast, Australia.
Poster	A Kaul, M Fenech, V Fok, O Cullen, R Skoien . Can cirrhosis-specific clinical criteria identify a subset of patients with advanced cirrhosis who might benefit from a more supportive model of care? Australian Gastroenterology Week (AGW) 2017. Gold Coast, Australia.
Poster	J George, D Dieterich, M Weltman, R Skoien , P Desmond, J Sasadeusz, KA Stuart, P Dorr, E Dumas, M Charafeddine, L Liu, D Cohen, P Marti, HS Te, M Sulkowski, D Shaw, F Poordad. Long-Term Evaluation of Liver Stiffness and Blood Markers in Hepatitis C Virus Genotype 1-Infected Patients Receiving Ombitasvir/Paritaprevir/Ritonavir + Dasabuvir ± Ribavirin: Interim Results from TOPAZ-I and TOPAZ-II. Annual Conference of the Asian Pacific Association for The Study of the Liver (APASL) 2017. Shanghai, China.
Oral, invited	GL Radford-Smith . Risk assessment tools for the symptomatic population. WEO Colorectal Cancer screening committee meeting. DDW 2017
Oral, selected	A Lord, LA Simms, A Brown, et al.
Oral, selected	Y An, CY Chen, L White, M Howlett , A Lord, GL Radford-Smith . Accelerated dosing of infliximab induction and endoscopic mucosal healing in patients with Acute Severe Ulcerative Colitis. AGW 2017
Oral, selected	L White , Y An, A Lord, GL Radford-Smith . Effect of Serum Human Albumin Infusion on Serum Albumin Levels in Acute Severe Ulcerative Colitis. AGW 2017
Poster, selected	S Seang, R Kanazaki, K Krishnaprasad, K Hanigan, P Bampton, R Prosser, J Andrews, R Grafton, G Mahy, S Bell, W Ng, M Sparrow, S Ghaly, G Radford-Smith , S Connor. Clinical Predictors of Severe Ulcerative Colitis Requiring Colectomy in Australia. AGW 2017
Oral, selected	K Krishnaprasad, A Walsh, J Begun, S Bell, S Connor, G Radford-Smith , J M Andrews. Crohn's Colitis Care (CCCare) – a bespoke cloud-based Clinical Management System for Inflammatory Bowel Disease – development & beta testing. AGW 2017

OTHER COMMUNICATIONS AND OUTPUTS:

Barbara Leggett was Section Lead author of High Risk Familial Syndromes in Cancer Council Australia Colorectal Cancer Guidelines Working Party. Clinical practice guidelines for the prevention, early detection and management of colorectal cancer. Sydney: Cancer Council Australia.

Version URL: <https://wiki.cancer.org.au/australiawiki/index.php?oldid=173168>, cited 2017 Dec 6].

Available from: https://wiki.cancer.org.au/australia/Guidelines:Colorectal_cancer

INFECTIOUS DISEASES UNIT



PROF DAVID PATERSON



PROF JAMES MCCARTHY

The Infectious Diseases Unit has had another outstanding year of contributions to clinical and translational research in the fields of: infectious diseases; microbiology; infection control; public health and; healthcare delivery.

Professor James McCarthy's internationally recognised success in new drug development for malaria was recognised with three prestigious research awards: The Sornchai Looareesuwan Medal; Honorary International Fellows of the American Society for Tropical Medicine and Hygiene and; the Ralph Doherty QIMR Berghofer Prize for Outstanding Achievement and Leadership in Medical Research. Professor McCarthy's pioneering laboratory successfully performed the manufacture, release and in vivo testing of two *Plasmodium falciparum* cell banks, one being the first GMO blood stage prototype parasite vaccine, and the second carrying the K13 artemisinin-resistance mutation. The first bank received approval by the FDA in the form of an IND. His group demonstrated in a clinical trial the successful transmission of malaria from experimentally-infected human volunteers to mosquitos and performed the first experimental infection study of *Plasmodium malariae*.

Professor Paterson was appointed the Director of the University of Queensland Centre for Clinical Research (UQCCR). With his leadership, the world's largest randomised trial on treatment options for multi-drug resistant Gram-negative bacterial infections, The MERINO trial, was completed at the RBWH Infectious Diseases Department in 2017. Originating at RBWH the study subsequently enrolled 391 patients across 9 countries. The study, which compared mortality when treatment was with meropenem or piperacillin/tazobactam, was funded by the Australasian Society for Antimicrobials and the International Society for Chemotherapy.

A/Prof Anthony Allworth, A/Prof Marion Woods and Drs Redmond, McCarthy and Hajkowicz made significant contributions to the infectious diseases literature in journals including the New England Journal of Medicine, and delivered lectures at several national and international conferences.

Edited by Professors Paterson and McCarthy, The RBWH infectious diseases team contributed 20 chapters to Kucers' The Use Of Antibiotics 7th Ed Boca Raton: CRC Press, 2017. Kucers is the world's authoritative text on antimicrobial therapy.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Paul Griffin	PhD UQ (2013-)	Human challenge studies in malaria	James McCarthy, David Looke
Paul Chapman	MPhil UQ (2015-)	An attenuated hookworm vaccine	James McCarthy, Alex Loukas
John Woodford	MPhil UQ (2016-)	Microcirculatory disturbance in malaria	James McCarthy, Nick Anstey
Anand Odedra	PhD University of Liverpool (2017-)	Transmission of Malaria	James McCarthy, David Lalloo

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
James McCarthy	NHMRC Practitioner Fellow	QIMR Berghofer	QIMR Berghofer (2002-current)
Anand Odedra	Medicines for Malaria	QIMR Berghofer	University of Liverpool (2017-)
Bridget Barber	NHMRC ECF	QIMR Berghofer	Menzies School of Health & Research
Katharine Collins	Medicines for Malaria	QIMR Berghofer	QIMR Berghofer
Robert Commons	NHMRC Clinical Postgraduate Research Scholarship	Menzies School of Health Research	2016-2018
Robert Commons	MSHR Enhanced Living Scholarship	Menzies School of Health Research	2016-2018
Adam Stewart	Queensland Health Junior Doctor research Fellowship	Queensland Health	2017-2019

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
A. Stewart, A. Legg, M. Halford, K. McCarthy		Temperature variation in outpatient parenteral antimicrobial therapy (OPAT) in southeast Queensland.
James McCarthy	Medicines for Malaria/ multiple Pharma/Bill and Melinda Gates Foundation	Human Challenge Studies in malaria
James McCarthy	Robert Sauerwein (Netherlands)	Transmission studies in malaria

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
James McCarthy	Michael Good, Don McManus, Istvan Toth, Nicholas Anstey, Denise Doolan, Christian Engwerda, Alexander Loukas, Richard Price	Tropical diseases: Translating discoveries into better health
James McCarthy	Gonzalo Domingo (PATH)	Biomarkers for Malaria Elimination
James McCarthy	Merck Wellcome Trust	MK5717 – A novel antimalarial agent
James McCarthy, John Woodford	Paul Thomas	In vivo images in malaria

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Jime Lemoire (QPP), Joe Debattista (MNPJU), Charles Gilks (UQ)	Andrew Redmond, Julian Langton-Lockton, Diane Rowlings	Genexpert Urban Pilot
Lachlan Coin, University of Queensland Institute for Molecular Biosciences; Seweryn Bialasiewicz, Queensland Paediatric Infectious Diseases Research Group	Dr Marion Woods, Dr Krispin Hajkowicz	AQIP Rapid Molecular Diagnosis of Bloodstream Infection – Supported with a \$350,000 grant from the University of Queensland.

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
James McCarthy	Sornchai Looareesuwan Medal Winner, 2016	The Joint International Tropical Medicine Meeting
James McCarthy	Honorary International Fellows of ASTMH	American Society of Tropical Medicine & Hygiene (ASTMH) 2017 Annual Meeting, Baltimore
James McCarthy	Ralph Doherty QIMR Berghofer Prize for Outstanding Achievement and Leadership in Medical Research	Annual QIMR Berghofer Awards

RECIPIENT	AWARD	EVENT
Robert Commons	Royal Australasian College of Physicians NHMRC Award for Excellence \$30 000	
Robert Commons	International Travel Award	International Conference on Plasmodium vivax Research, Manaus, Brazil
David Paterson	Achievement Award as Top-Ranked Practitioner	NHMRC

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Paterson D, Harris P, Nimmo G, Allworth A, Hajkowicz K, Jennison, Lipman J, Clark J, Playford G, Roberts J, Schembri M, Beatson S, Whiley D, Walker M, Schlebusch S.	Infectious Diseases, ICU, UQCCR	Whole genome sequencing to track, treat and prevent nosocomial infections. 2017-2018	Queensland Genomic Health Alliance.	\$300,000	\$600,000 (2017-2018)
Kate McCarthy	Infectious Diseases, Hospital-in-the-Home, Pharmacy	Utilisation of aMbulatory pumps in the inpatient setting to administer long term antiBiotic therapy: A patlent risk reduction and rehabiLitation StratEgy. (The MOBILISE Study).	RBWH Foundation	\$40,000	\$40 000 (2017)
Paterson D, Roberts J, Lipman J, Harris P, Whiley D, Beatson S, Schembri M.	Infectious Diseases, ICU	Illumina MiniSeq instrument (plus reagents / Nextera XT DNA Library preparing kits) and computing upgrade 2017	Faculty of Medicine's Research Equipment and Infrastructure Investment Scheme	\$84,950	\$84,950 (2017)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
James McCarthy	Infectious Diseases	A Phase I, First-in-Human, Randomized, Double Blind, Placebo-Controlled Trial of Single and Multiple Ascending Doses of M5717 to Assess the Safety, Tolerability and Pharmacokinetic Profile of Oral Doses, and to Assess the Antimalarial Activity of M5717 Against Plasmodium falciparum in Healthy Male and Female Adult Subjects.	Wellcome Trust	\$1,935,905.	
James McCarthy	Infectious Diseases	A randomized, double-blinded, placebo-controlled study in healthy adults to determine the prophylactic effect of tafenoquine after challenge with Plasmodium falciparum blood stage parasites	CNS (60 Degrees Pharmaceuticals)	\$351,518.00	1
James McCarthy	Infectious Diseases	Tropical diseases: Translating discoveries into better health	NHMRC	14,927,045.00	5
James McCarthy	Clinical Tropical Medicine	Centre for Research Excellence in Malaria Elimination	NHMRC	2,470,291.30	5
James McCarthy	Clinical Tropical Medicine	T-follicular helper cell subsets that induce protective anti-Plasmodium falciparum antibodies	NHMRC	456,261.50	3

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Stewart A, Armstrong M , Graves S, Hajkowicz K . Rickettsia australis and Queensland Tick Typhus: A Rickettsial Spotted Fever Group Infection in Australia. Am J Trop Med Hyg. 2017 Jul;97(1):24-29. doi: 10.4269/ajtmh.16-0915. Review. PMID: 28719297
Journal Article	Coulter S, Roberts JA, Hajkowicz K , Halton K. The Use of Bloodstream Infection Mortality to Measure the Impact of Antimicrobial Stewardship Interventions: Assessing the Evidence. Infect Dis Rep. 2017 Mar 30;9(1):6849. doi: 10.4081/idr.2017.6849. eCollection 2017 Mar 30. Review. PMID: 28458799.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Chapman B, Slavin M, Marriott D, Halliday C, Kidd S, Arthur I, Bak N, Heath CH, Kennedy K, Morrissey CO, Sorrell TC, van Hal S, Keighley C, Goeman E, Underwood N, Hajkiewicz K , Hofmeyr A, Leung M, Macesic N, Botes J, Blyth C, Cooley L, George CR, Kalukottege P, Kesson A, McMullan B, Baird R, Robson J, Korman TM, Pendle S, Weeks K, Liu E, Cheong E, Chen S; Australian and New Zealand Mycoses Interest Group. Changing epidemiology of candidaemia in Australia. <i>J Antimicrob Chemother.</i> 2017 Apr 1;72(4):1103-1108. doi: 10.1093/jac/dkw422. Erratum in: <i>J Antimicrob Chemother.</i> 2017 Apr 1;72 (4):1270. PMID: 28364558
Journal Article	Chan RJ, Northfield S, Larsen E, Mihala G, Ullman A, Hancock P, Marsh N, Gavin N, Wyld D, Allworth A , Russell E, Choudhury MA, Flynn J, Rickard CM. Central venous Access device SeCurement And Dressing Effectiveness for peripherally inserted central catheters in adult acute hospital patients (CASCADE): a pilot randomised controlled trial. <i>Trials.</i> 2017 Oct 4;18(1):458. doi: 10.1186/s13063-017-2207-x.PMID:28978332
Journal Article (Collaborator)	Bezlotoxumab for Prevention of Recurrent Clostridium difficile Infection. Wilcox MH, Gerding DN, Poxton IR, Kelly C, Nathan R, Birch T, Cornely OA, Rahav G, Bouza E, Lee C, Jenkin G, Jensen W, Kim YS, Yoshida J, Gabryelski L, Pedley A, Eves K, Tipping R, Guris D, Kartsonis N, Dorr MB; MODIFY I and MODIFY II Investigators.N <i>Engl J Med.</i> 2017 Jan 26;376(4):305-317. doi: 10.1056/NEJMoa1602615. PMID: 28121498 (Allworth A , collaborator).
Journal article	Combination antibiotic therapy for Pseudomonas aeruginosa bacteremia Journal article in febrile neutropenic patients? The question still remains. McCarthy KL , Cherian JD, Avent ML , Paterson DL . <i>Infect Dis (Lond).</i> 2017 Dec 5:1-4.
Journal article	Pseudomonas aeruginosa blood stream infection isolates from patients with recurrent blood stream infection: Is it the same genotype? McCarthy KL , Kidd TJ, Paterson DL . <i>Epidemiol Infect.</i> 2017 Oct;145(14):3040-3046
Journal article	Draft Genome Sequences of Two Pseudomonas aeruginosa Bloodstream Infection Isolates Associated with Rapid Patient Death. McCarthy KL , Jennison AV, Wailan AM, Paterson DL . <i>Genome Announc.</i> 2017 Aug 17;5(33).
Journal article	Draft Genome Sequence of an IMP-7-Producing Pseudomonas aeruginosa Bloodstream Infection Isolate from Australia. McCarthy KL , Jennison A, Wailan AM, Paterson DL . <i>Genome Announc.</i> 2017 Jul 6;5(27).
Journal article	Increased risk of death with recurrent Pseudomonas aeruginosa bacteremia. McCarthy KL , Paterson DL . <i>Diagn Microbiol Infect Dis.</i> 2017 Jun;88(2):152-157
Journal article	Molecular epidemiology of Pseudomonas aeruginosa bloodstream infection isolates in a non-outbreak setting. McCarthy KL , Kidd TJ, Paterson DL . <i>J Med Microbiol.</i> 2017 Mar;66(2):154-159
Journal article	Long-term mortality following Pseudomonas aeruginosa bloodstream infection. McCarthy KL , Paterson DL . <i>J Hosp Infect.</i> 2017 Mar;95(3):292-299
Journal article	Community-acquired Pseudomonas aeruginosa bloodstream infection: a classification that should not falsely reassure the clinician. McCarthy KL , Paterson DL . <i>Eur J Clin Microbiol Infect Dis.</i> 2017 Apr;36(4):703-711
Journal article	Wockner LF, Hoffmann I, O'Rourke P, McCarthy JS , Marquart L. Comparison of statistical models to estimate parasite growth rate in the induced blood stage malaria model. <i>Malar J.</i> 2017 Aug 25;16(1):352
Journal article	Das S, Jang IK, Barney B, Peck R, Rek JC, Arinaitwe E, Adrama H, Murphy M, Imwong M, Ling CL, Proux S, Haohankhunnatham W, Rist M, Seilie AM, Hanron A, Daza G, Chang M, Nakamura T, Kalnoky M, Labarre P, Murphy SC, McCarthy JS , Nosten F, Greenhouse B, Allauzen S, Domingo GJ. Performance of a High-Sensitivity Rapid Diagnostic Test for Plasmodium falciparum Malaria in Asymptomatic Individuals from Uganda and Myanmar and Naive Human Challenge Infections. <i>Am J Trop Med Hyg.</i> 2017 Aug 7
Journal article	Burel JG, Apte SH, Groves PL, Boyle MJ, Langer C, Beeson JG, McCarthy JS , Doolan DL. Dichotomous miR expression and immune responses following primary blood-stage malaria. <i>JCI Insight.</i> 2017 Aug 3;2(15). pii: 93434

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Papaiakovou M, Pilotte N, Grant JR, Traub RJ, Llewellyn S, McCarthy JS , Krolewiecki AJ, Cimino R, Mejia R, Williams SA. A novel, species-specific, real-time PCR assay for the detection of the emerging zoonotic parasite <i>Ancylostoma ceylanicum</i> in human stool. <i>PLoS Negl Trop Dis</i> . 2017 Jul 10;11(7):e0005734
Journal article	Payne RO, Silk SE, Elias SC, Milne KH, Rawlinson TA, Llewellyn D, Shakri AR, Jin J, Labbé GM, Edwards NJ, Poulton ID, Roberts R, Farid R, Jørgensen T, Alanine DG, de Cassan SC, Higgins MK, Otto TD, McCarthy JS , de Jongh WA, Nicosia A, Moyle S, Hill AV, Berrie E, Chitnis CE, Lawrie AM, Draper SJ. Human vaccination against <i>Plasmodium vivax</i> Duffy-binding protein induces strain-transcending antibodies. <i>JCI Insight</i> . 2017 Jun 15;2(12). pii: 93683
Journal article	Mounsey KE, Walton SF, Innes A, Cash-Deans S, McCarthy JS . In Vitro Efficacy of Moxidectin versus Ivermectin against <i>Sarcoptes scabiei</i> . <i>Antimicrob Agents Chemother</i> . 2017; 61(8)
Journal article	McCarthy JS , Lotharius J, Rückle T, Chalon S, Phillips MA, Elliott S, Sekuloski S, Griffin P, Ng CL, Fidock DA, Marquart L, Williams NS, Gobeau N, Bebrevska L, Rosario M, Marsh K, Möhrle JJ. Safety, tolerability, pharmacokinetics, and activity of the novel long-acting antimalarial DSM265: a two-part first-in-human phase 1a/1b randomised study. <i>Lancet Infect Dis</i> 2017 Jun;17(6):626-635
Journal article	Farid R, Dixon MW, Tilley L, McCarthy J . Initiation of gametocytogenesis at very low parasite density in <i>Plasmodium falciparum</i> infection. <i>J Infect Dis</i> . 2017 Apr 1;215(7):1167-1174
Journal article	Burel JG, Apte SH, Groves PL, McCarthy JS , Doolan DL. Polyfunctional and IFN- γ monofunctional human CD4+ T cell populations are molecularly distinct. <i>JCI Insight</i> . 2017 Feb 9;2(3):e87499
Journal article	Smith CM, Jerkovic A, Truong TT, Foote SJ, McCarthy JS , et al. Griseofulvin impairs intraerythrocytic growth of <i>Plasmodium falciparum</i> through ferrochelatase inhibition but lacks activity in an experimental human infection study. <i>Sci Rep</i> . 2017 Feb 8;7:41975
Journal article	Rutledge GG, Böhme U, Sanders M, Reid AJ, Cotton JA, Maiga-Ascofare O, Djimdé AA, Apinjoh TO, Amenga-Etego L, Manske M, Barnwell JW, Renaud F, Ollomo B, Prugnolle F, Anstey NM, Auburn S, Price RN, McCarthy JS , Kwiatkowski DP, Newbold CI, Berriman M, Otto TD. <i>Plasmodium malariae</i> and <i>P. ovale</i> genomes provide insights into malaria parasite evolution. <i>Nature</i> . 2017 Feb 2;542(7639):101-104
Journal article	Payne RO, Griffin PM, McCarthy JS , Draper SJ. <i>Plasmodium vivax</i> Controlled Human Malaria Infection - Progress and Prospects. <i>Trends in parasitology</i> . 2017; 33(2):141-150
Journal article	Campbell SJ, Nery SV, Wardell R, D'Este CA, Gray DJ, McCarthy JS , Traub RJ, Andrews RM, Llewellyn S, Vallely AJ, Williams GM, Clements AC. Water, Sanitation and Hygiene (WASH) and environmental risk factors for soil-transmitted helminth intensity of infection in Timor-Leste, using real time PCR. <i>PLoS neglected tropical diseases</i> . 2017; 11(3):e0005393.
Journal article	Thriemer K, Ley B, Bobogare A, Dysoley L, Alam MS, Pasaribu AP, Sattabongkot J, Lambert E, Domingo GJ, Commons R , Auburn S, Marfurt J, Devine A, Aktaruzzaman MM, Sohel N, Namgay R, Drukpa T, Sharma SN, Sarawati E, Samad I, Theodora M, Nambanya S, Ounekham S, Mudin RN, Da Thakur G, Makita LS, Deray R, Lee SE, Boaz L, Danansuriya MN, Mudiyansele SD, Chinanonwait N, Kitchakarn S, Nausien J, Naket E, Duc TN, Do Manh H, Hong YS, Cheng Q, Richards JS, Kusriastuti R, Satyagraha A, Noviyanti R, Ding XC, Khan WA, Swe Phru C, Guoding Z, Qi G, Kaneko A, Miotto O, Nguitragool W, Roobsoong W, Battle K, Howes RE, Roca-Feltrer A, Duparc S, Bhowmick IP, Kenangalem E, Bibit JA, Barry A, Sintasath D, Abeyasinghe R, Sibley CH, McCarthy J , von Seidlein L, Baird JK, Price RN. Challenges for achieving safe and effective radical cure of <i>Plasmodium vivax</i> : a round table discussion of the APMEN Vivax Working Group. <i>Malaria journal</i> . 2017; 16(1):141
Journal article	Campbell SJ, Nery SV, D'Este CA, Gray DJ, McCarthy JS , Traub RJ, Andrews RM, Llewellyn S, Vallely AJ, Williams GM, Clements ACA. Investigations into the association between soil-transmitted helminth infections, haemoglobin and child development indices in Manufahi District, Timor-Leste. <i>Parasites & vectors</i> . 2017; 10(1):192.
Journal article	Kearns TM, Currie BJ, Cheng AC, McCarthy J , Carapetis JR, Holt DC, Page W, Shield J, Gundjirryrr R, Mulholland E, Ward L, Andrews RM. Strongyloides seroprevalence before and after an ivermectin mass drug administration in a remote Australian Aboriginal community. <i>PLoS neglected tropical diseases</i> . 2017; 11(5):e0005607

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Wardell R, Clements ACA, Lal A, Summers D, Llewellyn S, Campbell SJ, McCarthy J , Gray DJ, V Nery S. An environmental assessment and risk map of <i>Ascaris lumbricoides</i> and <i>Necator americanus</i> distributions in Manufahi District, Timor-Leste. PLoS neglected tropical diseases. 2017; 11(5):e0005565
Journal article	Woodberry T, Loughland JR, Minigo G, Burel JG, Amante FH, Piera KA, McNeil Y, Yeo TW, Good MF, Doolan DL, Engwerda CR, McCarthy JS , Anstey NM. Early Immune Regulatory Changes in a Primary Controlled Human <i>Plasmodium vivax</i> Infection: CD1c+ Myeloid Dendritic Cell Maturation Arrest, Induction of the Kynurenine Pathway, and Regulatory T Cell Activation. Infection and immunity. 2017; 85(6)
Journal article	Leow CH, Fischer K, Leow CY, Cheng Q, Chuah C, McCarthy J . Single Domain Antibodies as New Biomarker Detectors. Diagnostics (Basel, Switzerland). 2017; 7(4).
Journal article	Chew R , Dorman A, Woods ML . Purpureocillium lilacinum keratitis: a case series and review of the literature. Can J Ophthalmol. 2016 Oct;51(5):382-385. doi: 10.1016/j.jcjo.2016.05.013. Epub 2016 Sep 3. Review. PMID: 27769331
Journal article	Thwaites PA, Woods ML . Sepsis and siderosis, <i>Yersinia enterocolitica</i> and hereditary haemochromatosis. BMJ Case Rep. 2017 Jan 4;2017. pii: bcr2016218185. doi: 10.1136/bcr-2016-218185. PMID: 28052950
Journal article	Ulett KB , Cockburn JW, Jeffree R, Woods ML . Cerebral cryptococcoma mimicking glioblastoma. BMJ Case Rep. 2017 Feb 10;2017. pii: bcr2016218824. doi: 10.1136/bcr-2016-218824. PMID: 28188169
Journal article	Chew R , Jongbloed S, Jegatheesan D, Healy H , Ta K , Ungerer J, McWhinney B, Donovan P , Woods ML . Ethambutol Is Cleared by a Contemporary High-Flux Hemodialyzer, and Drug Monitoring Ensures Safety and Therapeutic Effect. Antimicrob Agents Chemother. 2017 May 24;61(6). pii: e01988-16. doi: 10.1128/AAC.01988-16. Print 2017 Jun. PMID: 28396542
Journal article	Commons RJ , Thriemer K, Humphreys G, Suay I, Sibley CH, Guerin PJ, Price RN, The Vivax Surveyor: Online mapping database for <i>Plasmodium vivax</i> clinical trials, Int J Parasitol Drugs Drug Resist, 2017; 7(2):181-190.
Journal article	Thriemer K, Ley B, Bobogare A,... Commons R ,... Baird KJ, Price RN, Challenges for achieving safe and effective radical cure of <i>Plasmodium vivax</i> : a round table discussion of the APMEN Vivax Working Group, Malar J, 2017; 16:141.
Journal article	Miller HM, Tong A, Tunnicliffe DJ, Campbell D, Pinter J, Commons RJ , Athan E, Craig JC, Gilroy N, Green J, Henderson B, Howell M, Stuart RL, van Eps C, Wong MG, de Zoysa J, Jardine MJ, Identifying and integrating patient and caregiver perspectives for clinical practice guidelines on the screening and management of infectious microorganisms in hemodialysis units, Hemodialysis International, 2017; 21(2):213-223.
Journal Article	Barber BE , Grigg MJ, William T, Piera KA, Boyle MJ, Yeo TW, Anstey NM. Effects of Aging on Parasite Biomass, Inflammation, Endothelial Activation, Microvascular Dysfunction and Disease Severity in <i>Plasmodium knowlesi</i> and <i>Plasmodium falciparum</i> Malaria. J Infect Dis. 2017 Jun 15;215(12):1908-1917. doi: 10.1093/infdis/jix193. PMID: 28863470
Journal article	Grigg MJ, Cox J, William T, Jelip J, Fornace KM, Brock PM, von Seidlein L, Barber BE , Anstey NM, Yeo TW, Drakeley CJ. Individual-level factors associated with the risk of acquiring human <i>Plasmodium knowlesi</i> malaria in Malaysia: a case-control study. Lancet Planet Health. 2017 Jun 9;1(3):e97-e104. doi: 10.1016/S2542-5196(17)30031-1.
Journal Article	Loughland JR, Minigo G, Sarovich DS, Field M, Tipping PE, Montes de Oca M, Piera KA, Amante FH, Barber BE , Grigg MJ, William T, Good MF, Doolan DL, Engwerda CR, Anstey NM, McCarthy JS , Woodberry T. Plasmacytoid dendritic cells appear inactive during sub-microscopic <i>Plasmodium falciparum</i> blood-stage infection, yet retain their ability to respond to TLR stimulation. Sci Rep. 2017 Jun 1;7(1):2596. doi: 10.1038/s41598-017-02096-2. PMID: 28572564
Journal article	Barber BE , Rajahram GS, Grigg MJ, William T, Anstey NM. World Malaria Report: time to acknowledge <i>Plasmodium knowlesi</i> malaria. Malar J. 2017 Mar 31;16(1):135. doi: 10.1186/s12936-017-1787-y. PMID: 28359340

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Piera KA, Aziz A, William T, Bell D, González IJ, Barber BE , Anstey NM, Grigg MJ. Detection of Plasmodium knowlesi, Plasmodium falciparum and Plasmodium vivax using loop-mediated isothermal amplification (LAMP) in a co-endemic area in Malaysia. Malar J. 2017 Jan 13;16(1):29. doi: 10.1186/s12936-016-1676-9. PMID: 28086789
Journal article	Discovery, research, and development of new antibiotics: the WHO priority list of antibiotic-resistant bacteria and tuberculosis. Tacconelli E, Carrara E, Savoldi A, Harbarth S, Mendelson M, Monnet DL, Pulcini C, Kahlmeter G, Kluytmans J, Carmeli Y, Ouellette M, Outtersen K, Patel J, Cavaleri M, Cox EM, Houchens CR, Grayson ML, Hansen P, Singh N, Theuretzbacher U, Magrini N; WHO Pathogens Priority List Working Group. Lancet Infect Dis. 2017 Dec 21. pii: S1473-3099(17)30753-3. doi: 10.1016/S1473-3099(17)30753-3. [Epub ahead of print] PMID: 29276051
Journal article	Whole genome analysis of cephalosporin-resistant Escherichia coli from bloodstream infections in Australia, New Zealand and Singapore: high prevalence of CMY-2 producers and ST131 carrying blaCTX-M-15 and blaCTX-M-27. Harris PNA, Ben Zakour NL, Roberts LW, Wailan AM, Zowawi HM, Tambyah PA, Lye DC, Jureen R, Lee TH, Yin M, Izharuddin E, Looke D, Runnegar N, Rogers B, Bhally H, Crowe A, Schembri MA, Beatson SA, Paterson DL ; MERINO Trial investigators. J Antimicrob Chemother. 2017 Dec 14. doi: 10.1093/jac/dkx466. [Epub ahead of print] PMID: 29253152
Journal article	Modifications in the pmrB gene are the primary mechanism for the development of chromosomally encoded resistance to polymyxins in uropathogenic Escherichia coli. Phan MD, Nhu NTK, Achard MES, Forde BM, Hong KW, Chong TM, Yin WF, Chan KG, West NP, Walker MJ, Paterson DL , Beatson SA, Schembri MA. J Antimicrob Chemother. 2017 Oct 1;72(10):2729-2736. doi: 10.1093/jac/dkx204. PMID: 29091192
Journal article	Empiric Therapy With Carbapenem-Sparing Regimens for Bloodstream Infections due to Extended-Spectrum β -Lactamase-Producing Enterobacteriaceae: Results From the INCREMENT Cohort. Palacios-Baena ZR, Gutiérrez-Gutiérrez B, Calbo E, Almirante B, Viale P, Oliver A, Pintado V, Gasch O, Martínez-Martínez L, Pitout J, Akova M, Peña C, Molina Gil-Bermejo J, Hernández A, Venditti M, Prim N, Bou G, Tacconelli E, Tumbarello M, Hamprecht A, Giamarellou H, Almela M, Pérez F, Schwaber MJ, Bermejo J, Lowman W, Hsueh PR, Paño-Pardo JR, Torre-Cisneros J, Souli M, Bonomo RA, Carmeli Y, Paterson DL , Pascual Á, Rodríguez-Baño J; Spanish Network for Research in Infectious Diseases (REIPI)/European Study Group of Bloodstream Infections and Sepsis (ESGBIS)/INCREMENT Group. Clin Infect Dis. 2017 Oct 30;65(10):1615-1623. doi: 10.1093/cid/cix606. PMID: 29020250
Journal article	Reply to Corona and Cattaneo. Nation RL, Garonzik SM, Thamlikitkul V, Giamarellos-Bourboulis EJ, Forrest A, Paterson DL , Li J, Silveira FP. Clin Infect Dis. 2017 Sep 1;65(5):870-871. doi: 10.1093/cid/cix390. No abstract available. PMID: 29017285
Journal article	Combination therapy for bloodstream infections with carbapenemase-producing Enterobacteriaceae - Authors' reply. Gutiérrez-Gutiérrez B, Bonomo RA, Carmeli Y, Paterson DL, Pascual A, Rodríguez-Baño J. Lancet Infect Dis. 2017 Oct; 17(10):1020-1021. doi: 10.1016/S1473-3099(17)30522-4. No abstract available. PMID: 28948921
Journal article	Pharmacokinetic/Toxicodynamic Analysis of Colistin-Associated Acute Kidney Injury in Critically Ill Patients. Forrest A, Garonzik SM, Thamlikitkul V, Giamarellos-Bourboulis EJ, Paterson DL , Li J, Silveira FP, Nation RL. Antimicrob Agents Chemother. 2017 Oct 24;61(11). pii: e01367-17. doi: 10.1128/AAC.01367-17. Print 2017 Nov. PMID: 28893780
Journal article	New agents for the treatment of infections with Gram-negative bacteria: restoring the miracle or false dawn? Wright H, Bonomo RA, Paterson DL . Clin Microbiol Infect. 2017 Oct;23(10):704-712. doi: 10.1016/j.cmi.2017.09.001. Epub 2017 Sep 8. Review. PMID: 28893690
Journal article	Geographical variation in therapy for bloodstream infections due to multidrug-resistant Enterobacteriaceae: a post-hoc analysis of the INCREMENT study. Harris PNA, Pezzani MD, Gutiérrez-Gutiérrez B, Viale P, Hsueh PR, Ruiz-Garbajosa P, Venditti M, Tumbarello M, Navarro-Francisco C, Calbo E, Giamarellou H, Oliver A, Almirante B, Gasch O, Martínez-Martínez L, Schwaber MJ, Daikos G, Pitout J, Peña C, Hernández-Torres A, Doi Y, Pérez F, Tuon FF, Tacconelli E, Carmeli Y, Bonomo RA, Pascual Á, Paterson DL , Rodríguez-Baño J; ESGBIS/REIPI/INCREMENT Group. Int J Antimicrob Agents. 2017 Nov;50(5):664-672. doi: 10.1016/j.ijantimicag.2017.08.005. Epub 2017 Aug 3. PMID: 28782704

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Peripherally InSerted CEntral catheter dressing and securement in patients with cancer: the PISCES trial. Protocol for a 2x2 factorial, superiority randomised controlled trial. Rickard CM, Marsh NM, Webster J, Gavin NC, Chan RJ, McCarthy AL, Mollee P, Ullman AJ, Kleidon T, Chopra V, Zhang L, McGrail MR, Larsen E, Choudhury MA, Keogh S, Alexandrou E, McMillan DJ, Mervin MC, Paterson DL , Cooke M, Ray-Barruel G, Castillo MI, Hallahan A, Corley A, Geoffrey Playford E. <i>BMJ Open</i> . 2017 Jun 15;7(6):e015291. doi: 10.1136/bmjopen-2016-015291. PMID: 28619777
Journal article	Infections in Hematopoietic Cell Transplant Recipients: Results From the Organ Transplant Infection Project, a Multicenter, Prospective, Cohort Study. Schuster MG, Cleveland AA, Dubberke ER, Kauffman CA, Avery RK, Husain S, Paterson DL , Silveira FP, Chiller TM, Benedict K, Murphy K, Pappas PG. <i>Open Forum Infect Dis</i> . 2017 Mar 22;4(2):ofx050. doi: 10.1093/ofid/ofx050. eCollection 2017 Spring. PMID: 28491889
Journal article	Culture-independent detection of chlorhexidine resistance genes qacA/B and smr in bacterial DNA recovered from body sites treated with chlorhexidine-containing dressings. Choudhury MA, Sidjabat HE, Rathnayake IU, Gavin N, Chan RJ, Marsh N, Banu S, Huygens F, Paterson DL , Rickard CM, McMillan DJ. <i>J Med Microbiol</i> . 2017 Apr;66(4):447-453. doi: 10.1099/jmm.0.000463. PMID: 28463667
Journal article	Effect of appropriate combination therapy on mortality of patients with bloodstream infections due to carbapenemase-producing Enterobacteriaceae (INCREMENT): a retrospective cohort study. Gutiérrez-Gutiérrez B, Salamanca E, de Cueto M, Hsueh PR, Viale P, Paño-Pardo JR, Venditti M, Tumbarello M, Daikos G, Cantón R, Doi Y, Tuon FF, Karaïskos I, Pérez-Nadales E, Schwaber MJ, Azap ÖK, Souli M, Roilides E, Pournaras S, Akova M, Pérez F, Bermejo J, Oliver A, Almela M, Lowman W, Almirante B, Bonomo RA, Carmeli Y, Paterson DL , Pascual A, Rodríguez-Baño J; REIPI/ESGBIS/ INCREMENT Investigators. <i>Lancet Infect Dis</i> . 2017 Jul;17(7):726-734. doi: 10.1016/S1473-3099(17)30228-1. Epub 2017 Apr 22. PMID: 28442293
Journal article	Multihospital Occurrence of Pan-Resistant Klebsiella pneumoniae Sequence Type 147 with an ISEcp1-Directed blaOXA-181 Insertion in the mgrB Gene in the United Arab Emirates. Sonnevend Á, Ghazawi A, Hashmey R, Haidermota A, Girgis S, Alfaresi M, Omar M, Paterson DL, Zowawi HM, Pál T. <i>Antimicrob Agents Chemother</i> . 2017 Jun 27;61(7). pii: e00418-17. doi: 10.1128/AAC.00418-17. Print 2017 Jul. PMID: 28438945
Journal article	Association between augmented renal clearance and clinical outcomes in patients receiving ?-lactam antibiotic therapy by continuous or intermittent infusion: a nested cohort study of the BLING-II randomised, placebo-controlled, clinical trial. Udy AA, Dulhunty JM, Roberts JA, Davis JS, Webb SAR, Bellomo R, Gomersall C, Shirwadkar C, Eastwood GM, Myburgh J, Paterson DL , Starr T, Paul SK, Lipman J; BLING-II Investigators; ANZICS Clinical Trials Group. <i>Int J Antimicrob Agents</i> . 2017 May;49(5):624-630. doi: 10.1016/j.ijantimicag.2016.12.022. Epub 2017 Mar 9. PMID: 28286115
Journal article	Substantial Impact of Altered Pharmacokinetics in Critically Ill Patients on the Antibacterial Effects of Meropenem Evaluated via the Dynamic Hollow-Fiber Infection Model. Bergen PJ, Bulitta JB, Kirkpatrick CMJ, Rogers KE, McGregor MJ, Wallis SC, Paterson DL , Nation RL, Lipman J, Roberts JA, Landersdorfer CB. <i>Antimicrob Agents Chemother</i> . 2017 Apr 24;61(5). pii: e02642-16. doi: 10.1128/AAC.02642-16. Print 2017 May. PMID: 28264846
Journal article	Molecular epidemiology of Pseudomonas aeruginosa bloodstream infection isolates in a non-outbreak setting. McCarthy KL, Kidd TJ, Paterson DL . <i>J Med Microbiol</i> . 2017 Mar;66(2):154-159. doi: 10.1099/jmm.0.000413. PMID: 28260586
Journal article	Can Ceftazidime-Avibactam and Aztreonam Overcome ?-Lactam Resistance Conferred by Metallo-?-Lactamases in Enterobacteriaceae? Marshall S, Hujer AM, Rojas LJ, Papp-Wallace KM, Humphries RM, Spellberg B, Hujer KM, Marshall EK, Rudin SD, Perez F, Wilson BM, Wasserman RB, Chikowski L, Paterson DL , Vila AJ, van Duin D, Kreiswirth BN, Chambers HF, Fowler VG Jr, Jacobs MR, Pulse ME, Weiss WJ, Bonomo RA. <i>Antimicrob Agents Chemother</i> . 2017 Mar 24;61(4). pii: e02243-16. doi: 10.1128/AAC.02243-16. Print 2017 Apr. PMID: 28167541
Journal article	China's antibiotic resistance problems. Paterson DL, van Duin D. <i>Lancet Infect Dis</i> . 2017 Apr; 17(4):351-352. doi: 10.1016/S1473-3099(17)30053-1. Epub 2017 Jan 28. No abstract available. PMID: 28139428

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Risk factors for relapse or persistence of bacteraemia caused by <i>Enterobacter</i> spp.: a case-control study. Harris PNA, Peri AM, Pelecanos AM, Hughes CM, Paterson DL, Ferguson JK. <i>Antimicrob Resist Infect Control</i> . 2017 Jan 21;6:14. doi: 10.1186/s13756-017-0177-0. eCollection 2017. PMID: 28127422
Journal article	Long-term mortality following <i>Pseudomonas aeruginosa</i> bloodstream infection. McCarthy KL, Paterson DL. <i>J Hosp Infect</i> . 2017 Mar;95(3):292-299. doi: 10.1016/j.jhin.2016.11.014. Epub 2016 Nov 30. PMID: 28089143
Journal article	Development and validation of the INCREMENT-ESBL predictive score for mortality in patients with bloodstream infections due to extended-spectrum- β -lactamase-producing Enterobacteriaceae. Palacios-Baena ZR, Gutiérrez-Gutiérrez B, De Cueto M, Viale P, Venditti M, Hernández-Torres A, Oliver A, Martínez-Martínez L, Calbo E, Pintado V, Gasch O, Almirante B, Antonio Lepe J, Pitout J, Akova M, Peña-Miralles C, Schwaber MJ, Tumbarello M, Tacconelli E, Origüen J, Prim N, Bou G, Giamarellou H, Bermejo J, Hamprecht A, Pérez F, Almela M, Lowman W, Hsueh PR, Navarro-San Francisco C, Torre-Cisneros J, Carmeli Y, Bonomo RA, Paterson DL , Pascual Á, Rodríguez-Baño J; REIPI/ESGBIS/INCREMENT Group. <i>J Antimicrob Chemother</i> . 2017 Mar 1;72(3):906-913. doi: 10.1093/jac/dkw513. PMID: 28062685
Journal article	Dosing guidance for intravenous colistin in critically-ill patients. Nation RL, Garonzik SM, Thamlikitkul V, Giamarellos-Bourboulis EJ, Forrest A, Paterson DL , Li J, Silveira FP. <i>Clin Infect Dis</i> . 2017 Mar 1;64(5):565-571. doi: 10.1093/cid/ciw839. Epub 2016 Dec 23. PMID: 28011614
Journal article	Global prevalence of carbapenem resistance in neutropenic patients and association with mortality and carbapenem use: systematic review and meta-analysis. Righi E, Peri AM, Harris PN, Wailan AM, Liborio M, Lane SW, Paterson DL . <i>J Antimicrob Chemother</i> . 2017 Mar 1;72(3):668-677. doi: 10.1093/jac/dkw459. Review. PMID: 27999023
Journal article	Enhancement of antibiotic-activity through complexation with metal ions - Combined ITC, NMR, enzymatic and biological studies. Möhler JS, Kolmar T, Synnatschke K, Hergert M, Wilson LA, Ramu S, Elliott AG, Blaskovich MA, Sidjabat HE, Paterson DL , Schenk G, Cooper MA, Ziora ZM. <i>J Inorg Biochem</i> . 2017 Feb;167:134-141. doi: 10.1016/j.jinorgbio.2016.11.028. Epub 2016 Nov 24. PMID: 27984786
Journal article	Community-acquired <i>Pseudomonas aeruginosa</i> bloodstream infection: a classification that should not falsely reassure the clinician. McCarthy KL, Paterson DL. <i>Eur J Clin Microbiol Infect Dis</i> . 2017 Apr;36(4):703-711. doi: 10.1007/s10096-016-2852-0. Epub 2016 Dec 9. PMID: 27942878
Journal article	Identification of IncA/C Plasmid Replication and Maintenance Genes and Development of a Plasmid Multilocus Sequence Typing Scheme. Hancock SJ, Phan MD, Peters KM, Forde BM, Chong TM, Yin WF, Chan KG, Paterson DL , Walsh TR, Beatson SA, Schembri MA. <i>Antimicrob Agents Chemother</i> . 2017 Jan 24;61(2). pii: e01740-16. doi: 10.1128/AAC.01740-16. Print 2017 Feb. PMID: 27872077
Journal article	Proposed primary endpoints for use in clinical trials that compare treatment options for bloodstream infection in adults: a consensus definition. Harris PNA, McNamara JF, Lye DC, Davis JS, Bernard L, Cheng AC, Doi Y, Fowler VG Jr, Kaye KS, Leibovici L, Lipman J, Llewellyn MJ, Munoz-Price S, Paul M, Peleg AY, Rodríguez-Baño J, Rogers BA, Seifert H, Thamlikitkul V, Thwaites G, Tong SYC, Turnidge J, Utili R, Webb SAR, Paterson DL . <i>Clin Microbiol Infect</i> . 2017 Aug;23(8):533-541. doi: 10.1016/j.cmi.2016.10.023. Epub 2016 Nov 1. PMID: 27810466
Journal article	Comparison of <i>Clostridium difficile</i> Ribotypes Circulating in Australian Hospitals and Communities. Furuya-Kanamori L, Riley TV, Paterson DL , Foster NF, Huber CA, Hong S, Harris-Brown T, Robson J, Clements AC. <i>J Clin Microbiol</i> . 2016 Dec 28;55(1):216-225. doi: 10.1128/JCM.01779-16. Print 2017 Jan. PMID: 27807147
Journal article	Asymptomatic <i>Clostridium difficile</i> colonization in two Australian tertiary hospitals, 2012-2014: prospective, repeated cross-sectional study. Furuya-Kanamori L, Clements AC, Foster NF, Huber CA, Hong S, Harris-Brown T, Yakob L, Paterson DL , Riley TV. <i>Clin Microbiol Infect</i> . 2017 Jan;23(1):48.e1-48.e7. doi: 10.1016/j.cmi.2016.08.030. Epub 2016 Sep 8. PMID: 27615716
Journal article	Efficacy of ceftolozane/tazobactam against urinary tract and intra-abdominal infections caused by ESBL-producing <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> : a pooled analysis of Phase 3 clinical trials. Popejoy MW, Paterson DL , Cloutier D, Huntington JA, Miller B, Bliss CA, Steenbergen JN, Hershberger E, Umeh O, Kaye KS. <i>J Antimicrob Chemother</i> . 2017 Jan;72(1):268-272. Epub 2016 Oct 5. PMID: 27707990

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Researching effective approaches to cleaning in hospitals: protocol of the REACH study, a multi-site stepped-wedge randomised trial. Hall L, Farrington A, Mitchell BG, Barnett AG, Halton K, Allen M, Page K, Gardner A, Havers S, Bailey E, Dancer SJ, Riley TV, Gericke CA, Paterson DL , Graves N. Implement Sci. 2016 Mar 24;11:44. doi: 10.1186/s13012-016-0406-6. PMID: 27009342
Journal article	Upper Versus Lower Gastrointestinal Delivery for Transplantation of Fecal Microbiota in Recurrent or Refractory Clostridium difficile Infection: A Collaborative Analysis of Individual Patient Data From 14 Studies. Furuya-Kanamori L, Doi SA, Paterson DL , Helms SK, Yakob L, McKenzie SJ, Garborg K, Emanuelsson F, Stollman N, Kronman MP, Clark J, Huber CA, Riley TV, Clements AC. J Clin Gastroenterol. 2017 Feb;51(2):145-150. doi: 10.1097/MCG.0000000000000511. Review. PMID: 26974758
Journal article	25-Hydroxyvitamin D Concentrations and Clostridium difficile Infection: A Meta-Analysis. Furuya-Kanamori L, Wangdi K, Yakob L, McKenzie SJ, Doi SAR, Clark J, Paterson DL , Riley TV, Clements ACA. JPEN J Parenter Enteral Nutr. 2017 Jul;41(5):890-895. doi: 10.1177/0148607115623457. Epub 2015 Dec 23. PMID: 26701764
Textbook Chapter	M. Lindsay Grayson, Sara E. Cosgrove, Suzanne M. Crowe, James S. McCarthy , William Hope, John Mills, Johan W. Mouton, and David L. Paterson Principles of Antimicrobial Use. In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Kamala Thriemer, Julie A. Simpson, James S. McCarthy , and Ric N. Price. Artemisinins. In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Robert J. Commons , Julie A. Simpson, James S. McCarthy , and Ric N. Price. Artesunate. In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Ric N. Price, Julie A. Simpson, and James S. McCarthy . Halofantrine. In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Rusheng Chew and James S. McCarthy . Paromomycin. In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	James Pollard and James S. McCarthy . Iodoquinol and Quinacrine In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Sarah Coghill , Steve McGloughlin, and James S. McCarthy . Diethylcarbamazine. In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Paul M. Griffin and James S. McCarthy . Niclosamide. In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	David L. Paterson . Cephadroxil, Cephaloridine, Cephacetrile, Cephapirin, Cephadrine, and Other Rarely Used First-Generation Cephalosporins In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	David L. Paterson and Yohei Doi. Cefaclor, Cefprozil, and Loracarbef In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Hisashi Baba and David L. Paterson . Cefotiam, Cefuzonam, Cefamandole, Cefonicid, and Ceforanide In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Baek-Nam Kim and David L. Paterson Cefotaxime. In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Textbook Chapter	Hugh Wright and Andrea Endimiani. Ceftazidime and Ceftazidime–Avibactam In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Andrew Henderson , Baek-Nam Kim, and David L. Paterson . Ceftobiprole In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	David L. Paterson . Cefiderocol (S-649266). In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Marion L. Woods . Pentamidine. In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Andrew M. Redmond . Atovaquone. In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Tony Allworth and M. Lindsay Grayson. Avarofloxacin, Nemonoxacin, and Zabofoxacin In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Krispin M. Hajkowicz . Mefloquine. In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.
Textbook Chapter	Krispin M. Hajkowicz and Allen C. Cheng. Quinine and Quinidine. In: Grayson ML, Cosgrove SE, Crowe SM, Hope W, McCarthy JS, Mills J, Mouton JW and Paterson DL. Kucers' The Use of Antibiotics 7th Ed. Boca Raton: CRC Press; 2017.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited	Paterson DL . "Current and Upcoming Trials in Antimicrobial Resistance". Singapore International Infectious Diseases Conference. Singapore, August 2017.
Invited	Paterson DL . "Management of Gram negative infections – what's new, what's trending". Singapore International Infectious Diseases Conference. Singapore, August 2017.
Invited	Paterson DL . "Informed treatment choice for the management of resistant <i>Pseudomonas</i> and extended-spectrum beta-lactamase producing bacteria" European Conference on Clinical Microbiology and Infectious Diseases, Vienna, Austria, April 2017.
Invited	Hajkowicz K . Ensuring Optimal Selection of Antimicrobials for Treatment of Pneumonia in Asia and the Pacific. 6th Asia Pacific Region Conference of the International Union Against Tuberculosis and Lung Disease, Tokyo
Poster	McCarthy K . Virulence genes in the setting of early patient death in <i>P. aeruginosa</i> blood stream infection isolates; Focused Meeting 2017: 16th International Conference on <i>Pseudomonas</i> , Liverpool
Poster	McCarthy K . <i>P. aeruginosa</i> blood stream infection isolates from patients with recurrent blood stream infection: Is it the same genotype? Focused Meeting 2017: 16th International Conference on <i>Pseudomonas</i> , Liverpool
Poster	McCarthy K . <i>P. aeruginosa</i> blood stream infection in febrile neutropenic patients? Focused Meeting 2017: 16th International Conference on <i>Pseudomonas</i> , Liverpool

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	A 16 year review of <i>Coxiella burnetii</i> infective endocarditis in a tertiary cardiac centre in Queensland, Australia Armstrong, McCarthy K , Horvath R. International symposium on Modern Concepts of Endocarditis and Cardiovascular Infections, Dublin
Oral	James McCarthy American Society for Tropical Medicine and Hygiene (ASTMH), Baltimore, USA
Poster	John Woodford . ASTMH, Baltimore, USA
Oral	James McCarthy ASID, Blue Mountains, NSW
Invited	James McCarthy Joint International Tropical Medicine Meeting 2017, Bangkok, Thailand
Oral	James McCarthy AID Symposium, Beijing, China
Oral	James McCarthy Biology & Pathology of the Malaria Parasite, EMBL, Heidelberg, Germany
Oral	James McCarthy APMEN Vivax Working Group Annual Meeting, Denpasar, Indonesia
Oral	James McCarthy Plasmodium vivax Research Conference, Manaus, Brazil
Invited	Redmond AM . Dyslipidaemia in HIV. World Congress of Lipidology 2017

INTERNAL MEDICINE RESEARCH UNIT

The Internal Medicine Research Unit supports investigator initiated collaborative research including basic, clinical and health services studies intended to directly improve hospital and post-hospital patient outcomes. We have expertise in design and evaluation of complex interventions using multi-methods research, and collaborate with a range of universities and health services.

Our main focus areas are:

- Geriatric syndromes and frailty in older inpatients
- Multidisciplinary collaborative models of care for inpatients
- Multidisciplinary management of chronic diseases including heart failure and multi-morbidity
- Quality improvement methods, health services research methods and implementation science

In 2017 we have completed recruitment for the CHERISH multisite trial, successfully recruiting over 1000 older inpatients across 4 hospitals in a cluster randomised controlled trial of a quality improvement program to reduce geriatric syndromes (“Eat Walk Engage”). In July, CHERISH PI Dr Alison Mudge and co-investigator Dr Adrienne Young presented at the International Association of Geriatric and Gerontology in San Francisco, and in October we were delighted to host internationally renowned researcher Professor Sharon Inouye as one of our CHERISH co-investigators.

This year we have also had the primary outcome paper accepted for publication from a 5 site randomised controlled trial of exercise training in heart failure (EJECTION-HF), funded by a NHMRC New Investigator Grant. Dr Alison Mudge, Prue McRae and Dr Adrienne Young have collaborated on design and delivery of knowledge translation workshops with AusHSI, MNHHS CISS, and University of Adelaide/Flinders University.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Julie Adsett	PhD Griffith 2012-2018	Aquatic exercise for patients with stable heart failure	Norman Morris, Suzanne Kuys, Jennifer Paratz, Alison Mudge
Angela Byrnes	PhD UQ 2015-2018	Investigating the nutritional status and care of older (≥ 65 years) patients on two general surgical wards: A multiphase, action research study	Judy Bauer, Adrienne Young, Alison Mudge, Merrilyn Banks
Karen Lee-Steere	M Phil UQ 2017-2020	Improving the care of the older patient with or at risk of delirium in the acute care setting: patients and carer perspectives	Sally Bennett, Jacki Liddle, Alison Mudge

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Alison Mudge	Adjunct Professor	Improving acute and post-hospital care of older patients	QUT (2013-current)
Charles Denaro	Associate Professor		UQ (1998-current)
Julie Adsett	National Heart Failure or Australia Postgraduate Scholarship	Safety and efficacy of aquatic exercise in patients with stable heart failure	NHF 2012-17
Dylan Flaws	Queensland Junior Doctor Fellowship	Developing and validating a delirium risk score in older inpatients	2016-2018

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Alison Mudge	Prue McRae, Merrillyn Banks, Adrienne Young, Adrian Barnett (QUT), Irene Blackberry (UMelb), Teresa Green (QUT), Nick Graves (QUT), Ruth Hubbard (UQ), Sharon Inouye (Harvard), Sue Kurrle (U Syd), Kwang Lim (U Melb), Nancye Peel (UQ)	CHERISH: Collaborative for Hospitalised Elders Reducing the Impact of Stays in Hospital
Alison Mudge	Alison Mudge, Prue McRae, Samantha Olenski, Elise Treleaven, Margaret Cahill, Karen Lee-Steere	Delirium Day: a hospital wide quality audit
Julian de Looze	Julian de Looze, Joan Webster, Charles Denaro, Alison Mudge, John Gowardman, Robyn Fox, Catriona Booker, Peter Thomas, Samantha Olenski, Elise Treleaven, Melissa Eastgate, Tracy Glynn	Patients of Concern: A qualitative exploratory study within the Royal Brisbane and Women's Hospital
Julian de Looze	Julian de Looze, Sonya Osborne, Helen Cleak, Nicole White, Xing Lee, Cara Joyce Caliban	Mapping patient referral decision making and the patient journey from the Department of Emergency Medicine to EPICentre: an exploratory study
Alison Mudge , Prue McRae	Paul Bew (Brighton), Jofferson Ylarde (Brighton), Debbie Leahy (Brighton), Simon Smith (QUT)	Moving Brighton Forward: mobility in a subacute setting
Julie Adsett	Julie Adsett, Alison Mudge, Norm Morris (Griffith Un)	Exercise adherence and outcomes in heart failure patients: substudy of EJECTION-HF
Alison Mudge	Alison Mudge, Dylan Flaws, Gerard Byrne	Systematic review tools to predict delirium during adult inpatient admissions

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Alison Mudge	Alison Mudge, Margaret Shaw	Effect of pre-planned physician involvement in care of adult surgical patients on clinical and health service outcomes: a systematic review
Peter Donovan	Peter Donovan, Alison Mudge , Jenny Martin (Uni Newcastle), Michael Barras (Princess Alexandra Hospital), James Rowland, Champika Pattullo	Interventions to improve safety and quality in the management of anticoagulants for therapeutic indications in hospital inpatients: systematic review
Peter Donovan	Ian Coombes, Glen Kennedy (Cancer Care Services), Alison Mudge (Internal Medicine), Champika Pattullo (Clinical Pharmacology) , Bonnie Tai (Prince Charles Hospital)	Collaborative Optimisation of Anticoagulation (COAG) Pilot Study at RBWH
Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care)	Michael Barras, (Princess Alexandra Hospital), Ian Coombes, Jason Roberts, Ms Carla Scuderi (Pharmacy), Charles Denaro (Internal Medicine), John Atherton , Ms Bonnie Tai (Prince Charles Hospital), Ms Anita Pelecanos (QIMR Berghofer)	Development of a therapeutic range for enoxaparin in patients with renal impairment
Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care)	Nicola Harper, Dr Danielle Stowasser, Natasha Truloff (Metro North IT), Ian Coombes, (Pharmacy), Charles Denaro (Internal Medicine) , Timothy Dunn (Caboolture Hospital Pharmacy), Anita Pelecanos (QIMR Berghofer)	Evaluation of the Implementation of Electronic Prescribing using Interrupted Time-Series Analysis at Two Hospitals in Queensland
Phillip Robinson (Rheumatology)	Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care) , Nicola Dalbeth (University of Auckland, Auckland Hospital)	A Health Economic Analysis Of The American College Of Rheumatology Guideline To Monitor Serum Urate Every 6 Months After Reaching Target In Gout Treatment
Ian Coombes (Pharmacy)	Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care) , Michael Barras (Pharmacy), Charles Mitchel (UQ) Brooke Myers, Christy Noble, Trudy Teasdale, Linda Stockwell (Gold Coast University Hospital)	Improving Intern Medical Officer Prescribing through an Intervention of Self-Assessment and Feedback

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Laurie Grealish (Griffith/GCUH)	Alison Mudge, Margaret Cahill	Using Normalisation Process Theory to engage nurses in delirium care
Dr Susan Jordan (Queensland Institute of Medical Research Berghofer), Prof Sallie-Anne Pearson (University of New South Wales), Dr Nirmala Pandeya (University of Queensland), Assoc Prof Michael Coory (Murdoch Children's Research Institute), Dr Katrina Spillsbury (Curtin University of Technology)	Dr Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care)	IMPROVE - Investigating Medication re-Purposing to Reduce risk of OVarian cancer and Extend survival

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Alison Mudge, Prue McRae, Merrilyn Banks, Adrienne Young, Teresa Green, Adrian Barnett, Irene Blackberry, Nick Graves, Ruth Hubbard, Sharon Inouye, Sue Kurrle, Kwan Lim, Nancye Peel	Internal Medicine Research Unit; Internal Medicine and Aged Care; Nursing; Nutrition and Dietetics	CHERISH: Collaborative for Hospitalised Elders Reducing the Impact of Stays in Hospital	Queensland Accelerate Partnership Grant	\$600,000	\$1,500,000 (2015-2017)
Alison Mudge, Ruth Hubbard, Len Gray, Elizabeth Whiting, Elizabeth Beattie, Merrilyn Banks, Prue McRae, Fred Graham, Adrienne Young	Internal Medicine Research Unit; Internal Medicine and Aged Care, Nutrition and Dietetics	The Older Person Friendly Hospital,	Brisbane Diamantina Health Partners Strategic Partnership Grant	\$6,000	\$20,000

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Alison Mudge, Prue McRae, Margaret Cahill, Karen Lee-Steere, Elise Treleaven, Simon Finnigan	Internal Medicine Research Unit; Internal Medicine Services	Delirium and dementia Day” a point prevalence survey	RBWH Foundation	\$5,000	\$32,180 (2017-18)
Adrienne Young , Angela Byrnes	Dept of Nutrition and Dietetics, Internal Medicine Research Unit	Local practice in relation to nutritional care of older (≥65 years) surgical patients	RBWH Foundation	\$10,125	\$20,250 (2017-18)
Dr Susan Jordan (Queensland Institute of Medical Research Berghofer), Prof Sallie-Anne Pearson (University of New South Wales), Dr Nirmala Pandeya (University of Queensland), Assoc Prof Michael Coory (Murdoch Children’s Research Institute), Dr Katrina Spillsbury (Curtin University of Technology), Dr Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care)	Clinical Pharmacology, Internal Medicine and Aged Care	IMPROVE - Investigating Medication re-Purposing to Reduce risk of Ovarian cancer and Extend survival	National Health and Medical Research Council	\$246,104	\$438,313 (2017-2021)
Dr Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care) , Michael Barras, (Princess Alexandra Hospital, University of Queensland), Ian Coombes , Jason Roberts , Ms Carla Scuderi (Pharmacy) , Assoc Prof Charles Denaro (Internal Medicine), John Atherton (Cardiology) , Ms Bonnie Tai (Prince Charles Hospital), Ms Anita Pelecanos (QIMR Berghofer)	Clinical Pharmacology, Internal Medicine and Aged Care	Development of a therapeutic range for enoxaparin in patients with renal impairment	RBWH Foundation	\$40,000	\$40,000 2017

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Peter Donovan (Clinical Pharmacology, Internal Medicine and Aged Care), Ian Coombes , Glen Kennedy (Cancer Care Services), Alison Mudge (Internal Medicine), Champika Pattullo (Clinical Pharmacology), Bonnie Tai (Prince Charles Hospital)	Clinical Pharmacology, Internal Medicine and Aged Care	Collaborative Optimisation of Anticoagulation (COAG) Pilot Study at RBWH	Metro North SEED and LINK grants	\$93,967	\$93,967 2017

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Mudge AM, Banks MD , Barnett AG, Blackberry I, Graves N, Green T , Harvey G, Hubbard RE, Inouye SK, Kurrle S, Lim K, McRae P , Peel NM, Suna J, Young AM . CHERISH(collaborative for hospitalised elders reducing the impact of stays in hospital):protocol for a multi-site improvement program to reduce geriatric syndromes in older inpatients. BMC Geriatrics 2017; 17 (1):11
Journal article	Adsett J , Morris N, Kuys S, Hwang R, Mullins R, Khatun M, Paratz J, Mudge A . Aquatic exercise training is effective in maintaining exercise performance in trained heart failure patients: a randomised crossover pilot trial. Heart Lung Circ 2017; 26(6):572-579
Journal article	Campbell J, Coyer F, Mudge A, Roberston I , Osborne S. Candida albicans colonisation, continence status and incontinence-associated dermatitis in the acute care setting: pilot trial. Int Wound J 2017; 14 (3):488-95
Journal article	Byrnes A, Banks M, Mudge A, Young A , Bauer J. Enhanced Recovery After Surgery as an auditing framework for identifying improvements to perioperative nutrition care of older surgical patients. Eur J Clin Nutr 2017 Dec 29 doi:10.1038/s41430-017-0049-y epub ahead of print
Invited commentary	Mudge AM , Hubbard RE. Frailty: mind the gap. Age Ageing 2017 Dec 29 doi:10.1093/ageing/afx193
Journal article	Young AM, Banks MD, Mudge AM . Improving nutrition care and intake for older hospital patients through system-level dietary and mealtime interventions. Clinical Nutrition ESPEN 2017 doi:10.1016/j.clnesp.2017.12.009 epub ahead of print
Journal article	Chew R, Jongbloed S, Jegatheesan D, Healy H, Ta K , Ungerer K, McWhinney B, Donovan P, Woods M . Ethambutol Is a Dialysable Drug, and Drug Monitoring Ensures Safety and Therapeuticity. Antimicrobial Agents and Chemotherapy. April 2017. 61(6):AAC.01988-16. DOI 10.1128/AAC.01988-16.
Journal article	Myers B, Mitchell C, Whitty J, Donovan P, Coombes I . Prescribing and medication communication on the post-take ward round: Brief Communications. Internal Medicine Journal. April 2017: 47(4):454-457. DOI 10.1111/imj.13280.
Journal article	Paradissis C, Coombes I, Donovan P, Doran E, McKean M, Barras M . The type and incidence of adverse drug events in ageing medical inpatients and their effect on length of hospital stay. Journal of Pharmacy Practice and Research. February 2017: 47(5). DOI 10.1002/jppr.1255.
Invited review	Donovan P . Access to Unregistered Drugs in Australia. Aust Prescr. 2017 Oct;40(5):194-196. DOI: 10.18773/austprescr.2017.062

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited keynote	Mudge A. Beyond assessment: improving care of hospitalised elders. Global Acute Care Excellence Forum 2017 Brisbane Australia
Invited keynote	Mudge A. Care of older patients. 10th Health Services and Policy Research Conference (HSRAANZ) 2017 Gold Coast Australia
Invited keynote	Mudge A. Eat Walk Engage: improving care of older inpatients. South Australian Internal Medicine Research Association annual meeting 2017 Adelaide Australia
Invited keynote	Mudge A. Frailty in heart failure: exercise and outcomes. Queensland Heart Failure Service Forum 2017 Brisbane Australia
Oral invited	Mudge A, McRae P, Lee-Steere K, Cahill M. . Eat Walk Engage: improving outcomes for hospitalised elders. International Association of Geriatrics and Gerontology meeting 2017 San Francisco, USA
Oral invited	Mudge A. Exercise in heart failure. Novartis National Health Failure Congress 2017 Brisbane Australia
Oral invited	C. Denaro Future of Biologic Therapies. . General Practice Conference & Exhibition, Brisbane.
Oral invited	C Denaro Replagal MOA and Evidence of Efficacy. JPAC Fabry Advisory Board meeting, Seoul South Korea
Oral invited	C Denaro. Efficacy & Safety of FabrazymeSanofi-Genzyme's South Korean Workshop. Seoul South Korea.
Oral	Young A, Mudge AM, McRae P, Banks M. Eat Walk Engage: improving nutritional care and intake of hospitalised elders. International Association of Geriatrics and Gerontology meeting 2017 San Francisco, USA
Oral	Mudge A, McRae P, Reade M, Donovan P, Walker P. An interdisciplinary collaborative care model to improve care for older vascular surgical patients. Internal Medicine Society of Australia and New Zealand (IMSANZ) Annual Scientific Meeting 2017 Hobart Australia
Oral	Mudge AM, Denaro CP, Meyers D, Scott A et al. Exercise training plus disease management for patients recently hospitalised with heart failure. Queensland Cardiovascular Research Network Forum 2017 Brisbane Australia
Oral	Byrnes A, Young A, Mudge A, Banks M, Bauer J. EXploring practice gaps to improve PERIoperative Nutrition Care of the Elderly (EXPERIENCE Study). Asia Pacific Conference for Clinical Nutrition, November 2017.
Oral	Byrnes A, Young A, Mudge A, Banks M, Bauer J. Hand grip strength alone is not an accurate indicator of malnutrition in older patients before, during or after admission to surgical wards. Dietitians Association of Australia. May 2017.
Oral	Adsett J, Mandrusiak A, Miller S. Getting to the Heart of the Matter: What is the landscape of HF rehabilitation in Australia? Australian Physiotherapy Association National Conference, Oct 2017
Poster	Mudge AM, McRae P, Bew P, Ylarde J, Smith S. Activity patterns and mobility barriers in a rehabilitation setting. International Association of Geriatrics and Gerontology meeting 2017 San Francisco, USA
Poster	Hickey A, Adsett J, Atheron JJ, Denaro C, Nunan T, Peters R.A State-wide approach to multidisciplinary care. Heart Failure Evaluation and Reporting of Outcomes: HERO European Society of Cardiology Heart Failure Congress, Paris France.
Poster	Byrnes A, Young A, Banks M, Mudge A, Bauer J. Hand grip strength alone is not an accurate indicator of malnutrition in older patients before, during or after admission to surgical wards. American Society of Parenteral and Enteral Nutrition Clinical Nutrition Week, February 2017.
Poster	Mudge A, McRae P, Lee-Steere K, Cahill M, Kurtz B. Eat Walk Engage: a systematic approach to implementing a delirium prevention program in older hospitalized patients. Occupational Therapy Australia 27th National Conference. Perth July 2017

OTHER COMMUNICATIONS AND OUTPUTS:

PRESENTATIONS:

- Mudge A. Preventing delirium. Gold Coast University Hospital Delirium Symposium.(invited keynote speaker)
- Mudge A. Getting moving: challenges and evidence to improve mobility in hospital acute and subacute settings. (invited keynote speaker)
- Mudge A. Preventing delirium. April No Falls Week state-wide videoconference (invited presentation)
- Mudge A. Delirium. State-wide steering committee meeting, Recognising and Responding to Clinical Deterioration (invited presentation)
- Mudge A. The older person friendly hospital. State-wide Older Persons Health Clinical Network/State-wide General Medicine Network combined meeting, Townsville (invited speaker)

WORKSHOPS:

- HSRAANZ 10th national conference, Gold Coast October 2017. Translating evidence into practice: making sense of implementation theories and frameworks. Harvey G, Kitson A, Mudge A, Lynch E.
- MNHHS CISS innovations workshop, Brighton August 2017. Introduction to knowledge translation. Eames S, McRae P, Young A, Mudge A,.
- AusHSI/Uni Adelaide/MNHHS Knowledge Translation Workshop Brisbane May 2017. Getting Evidence into Practice: Steps to Success

KIDNEY HEALTH SERVICE

Research produced by the Kidney Health Service is recognised at the highest levels in Australia.

Dr Mallett was successful in a second flagship in genomic research in kidney disease, funded by the Australian Health Genomic Alliance, a Federal Government Initiative. It is the first time a researcher has held two flagships nationally. This funding success is in addition to the four National Health and Medical Research Council funded bodies of research – two Centre of Research Excellence in CKD and End of Life and two project grants – underway.

The Kidney Supportive Care Research Group, headed by Associate Professor Helen Healy and Professor Ann Bonner, was awarded the Health Services and Implementation category of the Metro North Research Excellence Awards and the prestigious Australian Council on Healthcare Standards Clinical Excellence and Patient Safety Award.

These, and other achievements like the long list of presentations at local, national and international conferences, are the outcomes of the research of an increasing number of our staff, representing all professions in our multidisciplinary teams, and a strong pipeline of young researchers (19) enrolled in research higher degrees, Two of the four RHD completed in 2017 are employed in the Kidney Health Service.

Academic institutions recognised two of our senior researchers, with Associate Professorship conferred by the Faculty of Medicine, University of Queensland on Helen Healy and by the School of Medicine, Griffith University on Dwarakanathan Ranganathan.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Hajar Alasmari	PhD, QUT (2013-2018)	Examining intensive care nurses' clinical decision-making associated with acute kidney injury and continuous renal replacement therapy	Ann Bonner, Fiona Coyer
Hayfa Almutary	PhD, QUT (2013-2017) conferred	Exploring symptom clusters in people with chronic kidney disease	Ann Bonner, Clint Douglas
Kylie Barr	PhD, University of Western Sydney (2015-2018)	Evaluation of the effectiveness of intradialytic yoga for patients with end stage kidney disease	Caroline Smith, Birinder Cheema, Helen Healy
Leanne Brown	PhD, QUT (2013-2017) conferred	Evaluating patient-centred decision making for end of life care in end stage kidney disease	Glenn Gardner, Ann Bonner
Bryan Gregory	MAppSc, QUT (2016-2018)	The effects of continuous renal replacement therapy and sustained low-efficiency dialysis on immune-suppressive drug levels in critically ill patients with acute kidney injury.	Fiona Coyer, Ann Bonner
Kathryn Havas	PhD, QUT (2014-2017)	Comparison of a brief and an in-depth intervention to support self-management in people with chronic kidney disease	Ann Bonner, Clint Douglas
Van Hoang Lan	PhD, QUT (2016-2019)	Relationship between health care supports, social supports and patient outcomes among haemodialysis population in Vietnam	Ann Bonner, Theresa Green

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Becker M.P. Law	PhD, QUT (2015-2018)	Functional characterisation of lymphocyte subsets in human kidney disease	Helen Healy, Andrew Kassianos, Ken Beagley, Ray Wilkinson
Tain Lloyd	MAppSc, QUT (2017-2019)	Investigation of chronic kidney disease and stroke	Ann Bonner, Theresa Green, Louise Purtell
David McIntyre	MAppSc, QUT (2016-2018)	Haemodialysis nurse sensitive indicators	Ann Bonner, Fiona Coyer
Andrew Mallett	PhD, UQ (2014-2017) conferred	Genetic Diagnostics in Genetic Renal Disease - Methods, Applications and Therapeutics	Helen Healy, Wendy Hoy, Val Hyland, David Johnson
Molly Milazi	DHlthSc, QUT (2014-2020)	Nurse-led teach back intervention to improve people with End Stage Kidney Disease adherence with phosphate control	Ann Bonner, Clint Douglas
Nguyet Thi Nguyen	PhD, QUT (2014-2018)	Self-management of people with early stages of chronic kidney disease in Hanoi, Vietnam	Ann Bonner, Clint Douglas
Pauline Nicholas	MAppSc, QUT (2017-2019)	Cognitive impairment of patients with ESKD	Ann Bonner, Theresa Green, Louise Purtell
Arti Raghubar	Masters of Molecular Biology, University of Queensland (2yrs)	Investigating underlying molecular processes in IgA nephropathy cases using SWATH-MS	Andrew Mallett, Helen Healy, Andrew Kassianos
Haunnah Rheault	DHlthSc, QUT (2014-2020)	Health literacy and chronic disease self-management in Indigenous Australians.	Ann Bonner
Sri Krishna Venuthurupalli	PhD, University of Queensland (2010-2018)	CKD.QLD: Establishment of chronic kidney disease surveillance and research in Queensland, Australia	Wendy Hoy, Helen Healy, Robert Fassett
Colette Wembenyui	MPhil, QUT (2015-2017) conferred	Self-management in people with chronic kidney disease	Ann Bonner, Clint Douglas
Harith Yapa	PhD, QUT (2017-current)	Perceived palliative care needs of patients with Chronic Kidney Disease (CKDu) in Sri Lanka	Ann Bonner, Louise Purtell, Shirley Connell

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Ann Bonner	Honorary Research Fellow	Renal Nursing Professorial Unit	QUT (2011-current)
Ann Bonner	Honorary Professor	Faculty of Nursing & Midwifery	Hanoi Medical University (2014-current)
Ann Bonner	Visiting Renal Nurse Scholar	Renal Medicine	Princes Alexandra Hospital (2013-current)
Ann Bonner	Visiting Nurse Scholar	Department of Nursing	Logan & Beaudesert Hospitals (2014-current)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Ann Bonner	Katrina Campbell (Bond University)	Technology use for information in Kidney Disease: A Survey of CKD patients
Ann Bonner	Shirley Chambers (QUT), Helen Healy, Patsy Yates (QUT), Wendy Hoy (UQ), Geoff Mitchell (UQ), Adrian Kark , Carol Douglas , James Stevenson (TPCH), Caroline Johnson (UWA), Sharad Ratanjee	Achieving needs-based end-of-life services: A prospective, longitudinal study of the pathways for patients with Stage 3-5 Chronic Kidney Disease (CKD)
Ann Bonner	Clint Douglas (QUT), Kathryn Havas (QUT), Cassandra Stone (Logan Hospital), Maureen Barnes (Logan Hospital), Jennifer Abel (Logan Hospital), Vincent Tam (QUT)	Evaluation of the integrated chronic disease nurse practitioner model of care
Helen Healy	Ann Bonner , Louise Purtell , Marcin Sowa (UQ), Wendy Hoy (UQ)	Evaluating the implementation of a Kidney Supportive Care Program into a Hospital and Health Service
Helen Healy	Andrew Kassianos , George John , Andrew Mallett , Melissa Rist , Katrina Kildey , Xiangju Wang (QPath), Kurt Giuliani (QPath), Ray Wilkinson (QPath), Becker Law (QUT), Arti Raghubar (QPath)	Identifying biologically relevant control and switch points driving progression of chronic kidney disease
Helen Healy	Andrew Kassianos , Katrina Kildey , George John , Ray Wilkinson (QPath), Ross Francis (PAH)	Characterising Immune response cell populations in kidney transplant rejection
Helen Healy , Ann Bonner	Wendy Hoy (UQ), Geoffrey Mitchell (UQ), Glenda Gobe (UQ), Luke Connelly (UQ), Zoltan Endre (UNSW), Kathryn Panaretto, Jeff Coombes (UQ), Robert Fassett	Chronic Kidney Disease Centre of Research Excellence (1079502)
Andrew Mallett	Chirag Patel , Amali Mallawaarachchi (Liverpool Hosp), Cathy Quinlan (Melbourne Children's Hosp), Zonitza Stark (Murdoch Research), Randall Faull (Royal Adelaide Hosp), Aron Chakera (Newcastle Hosp)	KidGen Collaborative Renal Genetics Rare Disease Flagship of Australian Genomics
Andrew Mallett , Helen Healy	Wendy Hoy (UQ), Andrew Mallett , Helen Healy , Charles Denaro , Samantha Stark, Vincent Lee (Westmead Hosp), Mark Thomas (Sir Charles Gardner Hosp)	The aCQuiRe Study

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Andrew Mallett, Chirag Patel	Helen Healy, Julie McGaughan , Melissa Little (Murdoch Research), Lorna Hale (Murdoch Research), Ernst Wolvetang (UQ), Cas Simons (UQ), Jo Crawford (UQ), Ian Smyth (Monash Uni), Peter Trmka (Lady Cilento Hosp), Hugh McCarthy (Sydney Children's Hosp), Steve Alexander (Sydney Children's Hosp), Amali Mallawaarachchi (Liverpool Hosp), Cathy Quinlan (Melbourne Children's Hosp), Zornitsa Stark (Murdoch Research)	NGS and iPSC Applications in Genetic and Inheritable Kidney Disease
David McIntyre	Ann Bonner	How frequent is frequent?: Monitoring for intradialytic hypotension in chronic dialysis patients over the age of 18
Louise Purtell	Ann Bonner, Helen Healy , Marcin Sowa (UQ)	Consideration of health economics in the care of kidney disease: A healthcare utilisation perspective (CHECK UP study)
Dwarakanathan Ranganathan	Pauline Nicholas, Nigel Mott, George John, Kara Summers	Radcath Study
Dwarakanathan Ranganathan	Jason Roberts, George John	POEMSLUN Study

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Suceena Alexander (Christian Medical College, Vellore, India)	Helen Healy, George John, Andrew Kassianos	Pathogenic molecular/cellular responses leading to chronic kidney disease in primary Focal and Segmental Glomerulosclerosis (FSGS) in Indians
Chen Au Peh (Royal Adelaide Hospital)	Dwarakanathan Ranganathan, Helen Healy, Sharad Ratanajee	ADVANCE Study
Balaji Hremagular (Gold Coast University Hospital)	Ann Bonner, Louise Purtell	Longitudinal Evaluation Of Patient-reported Assessments in those Receiving Dialysis (LEOPARD study)
Nikky Isbel (PAH)	Dwarakanathan Ranganathan, Andrew Mallett	aHUS Registry
Alberta Hoi	Dwarakanathan Ranganathan, Paul Kubler	Australian Lupus Registry and Biobank

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
David Jayne, Rona Smith	Dwarakanathan Ranganathan, Andrew Mallett	RITAZERAM study
Santosh Varughese (Christian Medical College, Vellore, India)	Helen Healy, George John, Andrew Kassianos	Molecular profiling in renal allograft recipients with acute rejection and chronic allograft dysfunction
Dr Scott Wilson	Dwarakanathan Ranganathan, Andrew Mallett	PODOCYTE Study
Patsy Yates (QUT)	Ann Bonner	Postdoctoral research fellowships
Patsy Yates (QUT), Geoff Mitchell (UQ), David Currow, Kathy Eagar (University of Wollongong), Helen Edwards (QUT & MNHHS Board), Glenn Gardner (QUT), Lindy Willmott (QUT), Robyn Clark (Flinders University), Jennifer Tieman (Flinders University)	Ann Bonner	NHMRC Centre of Research Excellence, End of Life Care (1060254).

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Ann Bonner	Best research paper	Australasian Cardiovascular Nursing College Conference, 10-11 March, Brisbane
Ann Bonner	Manuscript prize (2nd place)	European Dialysis and Transplant Nurses Association/European Renal Care Association
Helen Healy, Ilse Berquier, Ann Bonner, Carol Douglas, Danielle Heffernan, Wendy Hoy, Louise Purtell, Cassandra Rawlings, Carla Scuderi, Marcin Sowa, Mike Terry, Patsy Yates	MNHHS Research Excellence Award	Health Services and Implementation Research

RECIPIENT	AWARD	EVENT
Helen Healy, Ilse Berquier, Louise Purtell, Ann Bonner, Carol Douglas, Danielle Heffernan, Luke Worth, Bernadette Taylor	Quality Improvement and Patient Safety award	Australian Council on Healthcare Standards
Becker Law	Queensland Pathology Scholarship	PhD studies – commenced 2015

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Ann Bonner, Clint Douglas	Professorial Nursing Unit, Kidney Health Service	Evaluation of the Integrated Chronic Disease Nurse Practitioner Service	Logan Hospital	\$72,579	\$72,579 (2017)
Helen Healy, Andrew Kassianos, Ray Wilkinson, Jason Mulvenna	Conjoint Kidney Research Group, Kidney Health Service	The role of human proximal tubular epithelial cell-derived exosomes in polarity-specific communication.	Royal Brisbane and Women's Hospital Research Foundation Project Grant	\$40,000	\$40,000 (2017)
Helen Healy, Ann Bonner, Luke Worth, Ilse Berquier, Luke Connolly, Carol Douglas, Kate Mason, Mike Terry, Wendy Hoy, Patsy Yates	CKD.Qld, Kidney Health Service	Evaluating the implementation of a Kidney Supportive Care Program into a Hospital and Health Service	Australian Centre for Health Service Innovation IG0022-000754	\$75,000	\$150,000 (2016-2017)
Wendy Hoy, Helen Healy, Luke Connolly, Geoff Mitchell, Kathryn Panaretto, Zoltan Endre , Jeff Coombes, Glenda Gobe, Ann Bonner, Rob Fassett	CKD.Qld, Kidney Health Service	Chronic Kidney Disease Centre of Research Excellence	NHMRC APP1079502	\$500,000	\$2,496,981 (2014-2019)
Wendy Hoy, Helen Healy, Andrew Mallett, Charles Denaro, Mark Thomas	CKD.Qld - Kidney Health Service, Internal Medicine and Aged Care	The aCQuiRe Study	Sanofi-Genzyme	\$250,000	\$946,554 (2016-2019)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Andrew Kassianos, Helen Healy, Ray Wilkinson, Leo Francis, Ross Francis	Conjoint Kidney Research Group, Kidney Health Service	Pathogenic dendritic cells in human kidney disease	NHMRC APP1099222	\$125,000	\$370,983 (2016- 2018)
Andrew Kassianos, Helen Healy, Ray Wilkinson, Becker Law, Kenneth Beagley	Conjoint Kidney Research Group, Kidney Health Service	Pathogenic natural killer cells in human chronic kidney disease.	Royal Brisbane and Women's Hospital Research Foundation Project Grant	\$40,000	\$40,000 (2017)
Becker Law, Helen Healy, Andrew Kassianos	Conjoint Kidney Research Group, Kidney Health Service	Functional interactions between lymphocyte subsets and proximal epithelial cells in renal hypoxic injury and chronic kidney disease	Pathology Queensland – Study, Education and Research Committee PhD Scholarship	\$25,000	\$75,000 (2015- 2018)
Melissa Little, Ian Smyth, Cas Simons, Steve Alexander, Andrew Mallett	KidGen, Kidney Health Service	Applying Functional Genomics to Kidney Disease	NHMRC APP1098654	\$300,000	\$1,229,316 (2016- 2019)
Andrew Mallett, Helen Healy, Chirag Patel, Julie McGaughran, Cas Simons, Melissa Little	KidGen, Kidney Health Service	Functional Genomics in Inherited Kidney Disease	Royal Brisbane and Women's Hospital Research Foundation Project Grant	\$40,000	\$180,000 (2014- 2017)
Molly Milazi, Ann Bonner, Clint Douglas	Professorial Nursing Unit, Kidney Health Service	A novel bundled intervention (4Ds) to improve adherence with phosphate control in people receiving haemodialysis for end stage kidney disease	Royal Brisbane and Women's Hospital Research Postgraduate Scholarship	\$33,884	\$33,884
Molly Milazi, Ann Bonner, Clint Douglas	Professorial Nursing Unit, Kidney Health Service	A novel bundled intervention (4Ds) to improve adherence with phosphate control in people receiving haemodialysis for end stage kidney disease	Queensland Health, Office of Health and Medical Research	\$9,916	\$9,916
Molly Milazi, Ann Bonner, Clint Douglas	Professorial Nursing Unit, Kidney Health Service	A novel bundled intervention (4Ds) to improve adherence with phosphate control in people receiving haemodialysis for end stage kidney disease	Queensland Nursing and Midwifery Union, Research Grant	\$2,500	\$2,500

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Patsy Yates, Geoff Mitchell, David Currow, Kathy Eagar, Helen Edwards , Glenn Gardner, Lindy Willmott, Ann Bonner , Robyn Clark, Jennifer Tierman	Professorial Nursing Unit, Kidney Health Service	End of Life Care Centre of Research Excellence	NHMRC APP1060254	\$515,511	\$2,495,543 (2013-2018)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Abel J, Stone C, Barnes M, Havas K, Tam V, Mills K, Douglas C, Bonner A . An integrated nurse practitioner approach to improving management for individuals living with complex multiple chronic diseases. Australian Diabetes Educator. 2017;20(3):1-6.
Journal article	Almutary H, Douglas C, Almutary H, Douglas C, Bonner A . Towards a symptom cluster model in chronic kidney disease: A structural equation approach. Journal of Advanced Nursing. 2017;73:2450-2461.
Journal article	Campbell DJ, Mudge DW, Gallagher MP, Lim WH, Ranganathan D , Saweirs W, Craig JC. Infection Prophylaxis in Peritoneal Dialysis Patients: Results from an Australia/New Zealand Survey. Perit Dial Int. 2017 Mar-Apr;37(2):191-197. doi: 10.3747/pdi.2016.00037. Epub 2017 Jan 17.
Journal Article	Chan S, Mallett AJ, Patel C , Francis RS, Johnson DW, Mudge DW, Isbel NM. Recurrent atypical haemolytic uraemic syndrome post kidney transplant due to a CD46 mutation in the setting of SMARCAL1-mediated inherited kidney disease. Nephrology (2017) 22(Suppl1):11-14
Journal article	Coleman S , Havas K, Ersham S, Stone C, Taylor B , Graham A, Bublitz L, Purtell L, Bonner A . Patient satisfaction with nurse-led chronic kidney disease clinics: A multicentre evaluation. Journal of Renal Care. 2017;43(1):11-20. DOI: 10.1111/jorc.12189
Journal Article	Connor TM, Hoer S, Mallett A , Gale DP, Gomez-Duran A, Posse V, Antrobus R, Moreno P, Sciacovelli M, Frezza C, Duff J, Sheerin NS, Sayer JA, Ashcroft M, Wiesener MS, Hudson G, Gustafsson CM, Chinnery PF, Maxwell PH. Mutations in mitochondrial DNA causing tubulointerstitial kidney disease. PLoS Genetics (2017) 13(3)
Journal article	Douglas C., Schmalkuche D, Nizette D, Yates P, Bonner A . Nurse-led services in Queensland: A scoping study. Collegian, doi: 10.1016/j.colegn.2017.10.011 [Epub ahead of print]
Journal article	Havas K, Douglas C, Bonner A . Patient experiences of a chronic kidney disease self-management intervention: Closing the loop in person-centred care. Patient Preference and Adherence. 2017;11:1963-1973.
Journal article	Havas K, Douglas C, Bonner A . Person-centred care in chronic kidney disease: A cross-sectional study of patients' desires for self-management support. BMC Nephrology. 2017;18:17. DOI 10.1186/s12882-016-0416-2.
Journal article	Jardine MJ, Zuo L, Gray NA, de Zoysa JR, Chan CT, Gallagher MP, Monaghan H, Grieve SM, Puranik R, Lin H, Eris JM, Zhang L, Xu J, Howard K, Lo S, Cass A & Perkovic V; ACTIVE Dialysis Steering Committee (Ranganathan D) A Trial of Extending Hemodialysis Hours and Quality of Life. J Am Soc Nephrol. 2017 Jun;28(6):1898-1911. doi: 10.1681/ASN.2015111225. Epub 2017 Feb 1
Journal article	Law B, Wilkinson R, Wang X, Kilday K, Lindner M, Rist M, Beagley K, Healy H* , Kassianos A* . Interferon-γ production by tubulointerstitial human CD56bright natural killer cells in renal fibrosis and chronic kidney disease. Kidney International, (2017) 92, 79-88.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Lee J, Mott N , Mahmood U, Clouston J , Summers K , Nicholas P , Gois PHF , Ranganathan D . Radiological Tenckhoff catheter insertion for peritoneal dialysis: A cost-effective approach. J Med Imaging Radiat Oncol. 2017 Aug 1. doi: 10.1111/1754-9485.12643. [Epub ahead of print]
Journal article	Mahmood U , Healy HG , Kark A , Cameron A, Wang Z, Abeysekera R, Hoy WE. Spectrum (Characteristics) of patients with chronic kidney disease (CKD) with increasing age in a major metropolitan renal service. BMC Nephrology; 2017;18:372
Journal Article	Mahmood U , Isbel N, Mollee P, Mallett A , Govindarajulu S, Francis R. Monoclonal gammopathy of renal significance triggering atypical haemolytic uraemic syndrome. Nephrology (2017) 22(Suppl1):15-17
Journal Article	Mallett AJ , McCarthy HJ, Ho G, Holman K, Farnsworth E, Patel C , Fletcher JT, Mallawaarachchi A, Quinlan C, Bennetts B, Alexander SI. Massively parallel sequencing and targeted exomes in familial kidney disease can diagnose underlying genetic disorders. Kidney International (2017) 92(6):1493-1506
Journal article	Milazi M, Bonner A , Douglas C. The effectiveness of education or behavioural interventions on adherence to phosphate control in adults receiving haemodialysis: A systematic review. JBI Database of Systematic Reviews & Implementation Reports. 2017;15(4):971-1010. DOI: 10.11124/JBISIR-2017-003360
Journal article	Nataatmadja M, Cho Y, Pascoe EM, Darssan D, Hawley CM, Johnson DW; balANZ Trial Investigators (Ranganathan D). Association Between Peritoneal Glucose Exposure and Peritonitis in Peritoneal Dialysis Patients: The balANZ Trial. Perit Dial Int. 2017 Jul-Aug;37(4):407-413.
Journal article	Purtell L , Berquier I , Douglas C , Taylor B , Kramer K , Heffernan D , Hoy W , Bonner A , Healy H . What a patient wants: A consumer perspective of kidney supportive care. Nephrology. 2017;22(suppl. 3):49. DOI: 10.1111/nep.13104.
Journal article	Ranganathan D , John GT , Yeoh E, Williams N , O'Loughlin B , Han T, Jeyaseelan L, Ramanathan K, Healy H . A Randomized Controlled Trial to Determine the Appropriate Time to Initiate Peritoneal Dialysis after Insertion of Catheter (Timely PD Study). Perit Dial Int. 2017 Jul-Aug;37(4):420-428. doi: 10.3747/pdi.2016.00066. Epub 2017 Apr 13.
Journal article	Rheault H , Bonner A , Coyer F . Health literacy – I just don't get it. Journal for Nurse Practitioners. 2017;13(7):e334. DOI: 10.1016/j.nurpra.2017.05.042.
Journal article	Shao EX, Wilson GJ, Ranganathan D . Phentermine induced acute interstitial nephritis. BMJ Case Rep. 2017 Mar 9;2017. pii: bcr2017219452. doi: 10.1136/bcr-2017-219452
Journal Article	Venuthurupalli K, Hoy W, Healy H , Cameron A, Fassett R. CKD.QLD: Establishment of a chronic kidney disease (CKD) registry in Queensland, Australia. BMC Nephrology 2017;18:189
Journal article	Wang X, Wilkinson R, Killey K , Potriquet J, Mulvenna J, Lobb R, Möller A, Cloonan N, Mukhopadhyay P, Kassianos A* , Healy H* . Unique molecular profile of exosomes derived from primary human proximal tubular epithelial cells under diseased conditions. Journal of Extracellular Vesicles, (2017) 6(1), 1314073
Journal Article	Wilson GJ , Kark AL , Francis LP, Hoy W, Healy HG , Mallett AJ . The increasing rates of acute interstitial nephritis in Australia: a single centre case series. BMC Nephrology (2017) 18(1):329

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Almutary H, Bonner A , Douglas C. Symptom cluster model for people with advance stages of chronic kidney disease. Paper presented at: 46th EDTNA/ERCA International Conference. 9-12 September 2017; Krakow, Poland.
Poster	Bennetts B, Ho G, Holman K, Farnsworth K, McCarthy H, Mallawaarachchi A, Patel C , Alexander S, Mallett A . Curation of the Australian Renal Gene Panels. 41st Annual Scientific Meeting of the Human Genetics Society of Australasia. 5-8 August 2017; Brisbane, Australia.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited	Bonner A. Shifting to transdisciplinary healthcare teams to deliver person-centred care for terminal kidney failure. Invited presentation to: CUHY-Y.K. Pao Foundation Centre for Nursing Excellence in Chronic Illness Care, Nethersole School of Nursing, Chinese University of Hong Kong. 19 May 2017; Hong Kong.
Invited	Bonner A. Advanced practice nurse-led model of care: An innovative integrated approach for patients with comorbid chronic diseases. Invited presentation to: CUHY-Y.K. Pao Foundation Centre for Nursing Excellence in Chronic Illness Care, Nethersole School of Nursing, Chinese University of Hong Kong. 20 May 2017; Hong Kong.
Invited	Bonner A. Evaluating the implementation of a novel multidisciplinary kidney supportive care program. Invited speaker at the Mater Translating Research into Practice Symposium. 22 November 2017; Brisbane, Australia.
Oral	Bonner A, Chambers S, Healy H, Hoy WE, Mitchell G, Kark A, Ratanjee S, Yates P. Renal patients' symptom experience and quality of life in their last year of life. Paper presented at: 46th EDTNA/ERCA International Conference. 9-12 September 2017; Krakow, Poland.
Oral	Bonner A, Chambers S, Healy H, Mitchell G, Yates P. Reflecting on researching vulnerable patients with end stage kidney disease: Lessons learnt to inform future research endeavours. Paper presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Oral	Bonner A, Chambers S, Healy H, Ho, WE, Mitchell G, Kark A, Ratanjee S, Yates P. Tracking symptom experience and physical functioning in the last 12 months of life in advanced chronic kidney disease. Paper presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Oral	Bonner A, Hoy WE, Healy HG, Mitchell G, Connelly L, Panaretto K, Endre Z, Coombes JS, Gobe G, Fassett RG, Cameron A. An overview and progress report of a multidisciplinary chronic kidney disease Centre of Research Excellence. Paper presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Oral	Bonner A, Purtell L, Healy H, Berquier I, Douglas C, Hoy WE, Taylor B. Integrating renal and palliative care to support patients nearing end of life. Paper presented at: Royal Brisbane and Women's Hospital Healthcare Symposium. 12-14 September 2017; Brisbane, Australia.
Oral	Bonner A, Purtell L, Healy H, Berquier I, Douglas C. Hoy WE. Integrating renal and palliative care to support patients nearing end of life. Paper presented at: 46th EDTNA/ERCA International Conference. 9-12 September 2017; Krakow, Poland.
Poster	Bonner A, Purtell L, Healy H, Berquier I, Douglas C, Chaplin B, Hoy WE. Examining stakeholders' perspectives of the implementation of an integrated kidney supportive care program. Poster presented at: 46th EDTNA/ERCA International Conference. 9-12 September 2017; Krakow, Poland.
Oral	Bonner A, Stone C, Douglas C, Havas K, Abel J, Barnes M, Tam V, Mills K. Caring for complex chronic disease patients attending a novel nurse practitioner clinic. Paper presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Oral	Brown L, Gardner G, Bonner A. A randomised controlled trial of OPTIONS for older patients with advanced kidney disease. Paper presented at 46th EDTNA/ERCA International Conference. 9-12 September 2017; Krakow, Poland.
Poster	Brown L, Gardner G, Bonner A. OPTIONS for the older patient with advanced kidney disease. Poster presented at: 46th EDTNA/ERCA International Conference. 9-12 September, Krakow, Poland
Oral	Brown L, Gardner G, Bonner A. A randomised controlled trial evaluating a decision support intervention for the older person with advanced kidney disease. Paper presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Oral	Brown L, Gardner G, Bonner A. Challenges of engaging renal nurses in research activities. Paper presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Brown L, Bonner A, Gardner G. A randomised controlled trial of OPTIONS for older patients with advanced kidney disease. Paper presented at: Statewide Renal Clinical Network Forum. 19 May 2017; Brisbane, Australia.
Oral	Chambers S, Bonner A, Healy H , Hoy W, Mitchell G, Kark A, Ratanjee S, Hoy W, Yates P. Renal patients' symptom experience and quality of life in the last year of life. Poster and oral presented at 46th EDTNA/ERCA International Conference; 2017 September 9-12; Krakow Poland.
Poster	Chambers S, Bonner A, Healy H , Hoy WE, Kark A, Ratanjee S , Mitchell G, Douglas C, Yates P. Terminal kidney disease: Health administrative data informing appropriate palliative models. Poster presented at: Australian Palliative Care Conference. 6-8 September 2017; Adelaide, Australia.
Poster	Chan S , Cameron (Salisbury) A, Wang Z, Healy HG , Hoy WE. The association of body mass index (BMI) with mortality and institution of renal replacement therapy (RRT) in CKD patients in the CKD-QLD Registry: Queensland, Australia. In: Journal of the American Society of Nephrology Supplement 2017;28:217. Poster presented at: Kidney Week American Society of Nephrology; 2017 October 31-November 5; New Orleans, US. (poster TH-PO455).
Poster	Chan S , Cameron A, Wang Z, Venuthurupalli SK, Tan KS, Healy HG , Hoy WE. Evaluating associations of body mass index (BMI) in chronic kidney disease patients (CKD) in the CKD.QLD Registry; Queensland Australia. In: Nephrology 2017;22(S3):4. Poster presented at: 53rd Annual Scientific Meeting Australian and New Zealand Society of Nephrology. September 4-6; Darwin, Australia.
Oral	Dinh TTH, Bonner A , Ramsbotham J, Clark R. A cluster randomised controlled trial of a self-management program for people with heart failure in Hanoi, Vietnam. Paper presented at: Australasian Cardiovascular Nursing College Conference. 10-11 March 2017; Brisbane, Australia.
Oral	Douglas C, Kramer K, Taylor B, McNeil P, Healy H, Scuderi C, Purtell L, Bonner A , Hoy W, Berquier I . Improving life for end stage kidney disease. Paper presented at: Australian Palliative Care Conference. 6-8 September 2017; Adelaide, Australia.
Oral	Jakeman K, Jensen S, Stewart K . Advancing renal foot care: Nursing staff and podiatry student partnerships. Paper presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Poster	Kassianos A , Rist MH, Giuliani K, Wang X, Law B, Kildey K , Wilkinson R, Healy H . Human hypoxic proximal tubule epithelial cell dysfunction and activation of CD1c+ dendritic cells. Poster presented at: 46th Annual Scientific Meeting of the Australasian Society for Immunology; 2017 November 27-December 1; Brisbane Australia.
Oral	Kassianos A , Law B, Wang X, Kildey K , Lindner M, Rist MJ, Beagley K, Wilkinson R, Healy H . Interleukin (IL)-17 production by tubulointerstitial human gamma-delta T cells in renal fibrosis and chronic kidney disease. In: Nephrology 2017;22(S3):28. Oral presented at: 53rd Annual Scientific Meeting Australian and New Zealand Society of Nephrology. September 4-6; Darwin, Australia. (oral)
Oral	Kildey K, Kassianos AJ , Law B, Wang X, See E, John GT, Wilkinson R, Francis RS, Healy H . Increased recruitment of lymphocyte subsets in human kidney transplant rejection. In: Nephrology 2017;22(S3):41. Oral presented at: 53rd Annual Scientific Meeting Australian and New Zealand Society of Nephrology. September 4-6; Darwin, Australia.
Poster	Law B, Wilkinson R, Wang X, Kildey K , Lindner M, Rist M, Beagley K, Healy H, Kassianos A . Human effector gamma-delta T cells in tubulointerstitial fibrosis and chronic kidney disease. Poster presented at: 46th Annual Scientific Meeting of the Australasian Society for Immunology; 2017 November 27-December 1; Brisbane Australia.
Oral	Mallett A, Patel C , McCarthy H, Mallawaarachchi A, Stark Z, Simons C, Quinlan C. Participant choices toward receiving potential incidental genetic findings in an Australian nephrology research genomics study. In: Nephrology 2017;22(S3):. Oral presented at: 53rd Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology. 4-6 September 2017; Darwin, Australia.
Oral	Mallett A, Patel C , McCarthy H, Mallawaarachchi A, Stark Z, Simons C, Quinlan C. Participant choices toward receiving potential incidental genetic findings in an Australian nephrology research genomics study. Oral presented at: 53rd Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology. 4-6 September 2017; Darwin, Australia.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	McCarthy H, Mallawaarachchi, Patel C , Ho G, Holman K, Mallett A , Bennetts B, Alexander S. Australian Renal Gene Panels: Results from a national diagnostic service. 50th European Society for Paediatric Nephrology. 6-9 September 2017; Glasgow Scotland.
Oral	McCarthy H, Mallawaarachchi, Patel C , Ho G, Holman K, Mallett A , Bennetts B, Alexander S. Australian Renal Gene Panels: Results from a national diagnostic service. 41st Annual Scientific Meeting of the Human Genetics Society of Australasia. 5-8 August 2017; Brisbane, Australia.
Poster	Ng M , Pillai E, Francis L, Mallett AJ . Paraneoplastic IgA Nephropathy and associated FSGS in asymptomatic low volume B-cell Lymphoma. In: Nephrology 2017;22(S3):. Poster presented at: 53rd Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology. 4-6 September 2017; Darwin, Australia
Poster	Orlandi PF, Shardlow A, Levin A, Ahn C, Healy HG , Oh K-H, Sola L, Nessel LC, Taal MW, Fukagawa M, Fujii N, Djurdjev O, Rios P, Yang W, Hoy WE, Feldman HI. Global variation in rates of ESRD and death amongst the ISN's International Network of CKD Cohort Studies (iNET-CKD). In: Journal of the American Society of Nephrology Supplement 2017;28;790. Poster presented at: Kidney Week American Society of Nephrology; 2017 October 31-November 5; New Orleans, US. (poster SA-PO441).
Poster	Parker N , Austin L . A simple innovative strategy to deliver education to nephrology nurses across multi-site dialysis units. Poster presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Poster	Pham L . Haemodialysis engagement program trial: a holistic approach to improve patient wellbeing. Poster presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Oral	Purtell L . Supportive care for people with end-stage kidney disease. Oral presented at: Centre for Palliative Care Research and Education Conference. 19 May 2017; Brisbane, Australia.
Oral	Purtell L , Berquier I , Douglas C , Hoy WE, Bonner A , Healy H . What a patient wants: A consumer perspective of kidney supportive care. Oral presented at: Royal Brisbane and Women's Hospital Healthcare Symposium. 12-14 September 2017; Brisbane, Australia.
Oral	Purtell L , Berquier I , Douglas C , Taylor B , Kramer K , Heffernan D , Hoy W, Bonner A , Healy H . What a patient wants: A consumer perspective of kidney supportive care. In: Nephrology 2017;22(S3):. Oral presented at: 53rd Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology. 4-6 September 2017; Darwin, Australia.
Oral	Purtell L , Bonner A , Healy H , Berquier I , Douglas C , Hoy HE. Baseline characteristics of patients in a single-site kidney supportive care program. Oral presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Invited Speaker	Ranganathan D . Management of Resistant Lupus Nephritis. Dr. D.Y.Patil Medical College, Pune, India. – an International Society of Nephrology Go activity
Invited Speaker	Ranganathan D . Approach to Lupus Nephritis. NephKids Conference. 30th July 2017; Chennai, India.
Oral	Rheault H , Bonner A , Coyer F . Health literacy – I just don't get it. Paper presented at: Australian College of Nursing Practitioner Conference. 4-7 September 2017; Brisbane, Australia.
Oral	Scuder C , Healy H , Douglas C , Berquier I , Taylor B , Kramer K , Bonner A , Purtell L , Heffernan D . The Kidney Supportive Care Program (KSCp)-partnering with patients. Our patients, our care. Mini-oral and poster presented at: 43rd Society of Hospital Pharmacists of Australia. 2017 November 16-19; Sydney Australia.
Poster	Smith D . Trial of low volume APD at home post abdominal hernia repair: One centres' experience. Poster presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Oral	Stone C, Barnes M, Abel J, Bonner A , Douglas C. Nurse practitioner's leading the way with chronic disease management. Paper presented at: Australian College of Nursing National Nursing Forum. 21-23 August 2017; Sydney, Australia.
Oral	Taylor B , Scuder C , Purtell L , Bonner A , Healy H , Berquier I , Douglas C . Kidney supportive care. Paper presented at: Statewide Renal Clinical Network Forum. 19 May 2017; Brisbane, Australia.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Venuthurupalli SK, Hoy WE, Healy HG , Wang Z, Cameron A, Fassett RG. CKD.QLD: Relationship between smoking and chronic kidney disease (CKD) in the Darling Downs Region, Queensland. In: Nephrology 2017;22(S3):7. Poster presented at: 53rd Annual Scientific Meeting Australian and New Zealand Society of Nephrology. September 4-6; Darwin, Australia. (poster)
Oral	Wang Z, Zhang J, Adegbija O, Abeysekera R, Healy HG , Tan KS, Cameron A, Hoy WE. Progression of kidney disease in a cohort of chronic kidney disease (CKD) patients. In: Nephrology 2017;22(S3):32. Oral presented at: 53rd Annual Scientific Meeting Australian and New Zealand Society of Nephrology. September 4-6; Darwin, Australia. (oral)
Oral	Wang X, Kassianos A , Kildey K , Potriquet J, Wilkinson R, Healy H . Analysis of apical and basolateral secreted exosomes from human proximal tubule epithelial cells (PTEC) under normal and diseased conditions. In: Nephrology 2017;22(S3):36. Oral presented at: 53rd Annual Scientific Meeting Australian and New Zealand Society of Nephrology. September 4-6; Darwin, Australia. (oral)
Poster	Wilkins E, Mallett A , McCarthy H, Stark Z, White S, Quinlan C. The multidisciplinary paediatric renal genetics clinic: a model for mainstreaming genetics in medicine. In: Nephrology 2017;22(S3):. Oral presented at: 53rd Annual Scientific Meeting of the Australian and New Zealand Society of Nephrology. 4-6 September 2017; Darwin, Australia.
Poster	Williams L . Adapted automated peritoneal dialysis (aAPD): One unit's experience. Poster presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Poster	Williams N , Smith D . Dry day start up regimen for peritoneal dialysis. Poster presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Poster	Wilson A, Brown L, Bonner A . Reflection of research skills gained when delivering OPTIONS to support older chronic kidney disease patients in the real setting. Top 10 Poster presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.
Poster	Wilson GJ , Kark A , Francis L, Hoy WE, Healy HG , Mallett A . Acute interstitial nephritis (AIN) in Australia: a single centre case series. In: Nephrology 2017;22(S3):3. Poster presented at: 53rd Annual Scientific Meeting Australian and New Zealand Society of Nephrology. September 4-6; Darwin, Australia.
Poster	Wilson GJ , Mallett A , Kark A , Tan AK, Cameron A, Wang Z, Healy HG , Hoy WE. Rates and characteristics of acute kidney injury (AKI) in the chronic kidney disease in Queensland (CKD.QLD) Registry. In: Nephrology 2017;22(S3):3. Poster presented at: 53rd Annual Scientific Meeting Australian and New Zealand Society of Nephrology. September 4-6; Darwin, Australia.
Oral	Zhang J, Wang Z, Adegbija O, Abeysekera R, Healy HG , Tan KS, Venuthurupalli SK, Cameron A, Hoy WE. Blood pressure management in hypertensive patients with non-dialysis chronic kidney disease in Queensland, Australia. In: Nephrology 2017;22(S3):49. Oral presented at: 53rd Annual Scientific Meeting Australian and New Zealand Society of Nephrology. September 4-6; Darwin, Australia.
Poster	Zhu X . Heparin free haemodialysis, what is the best practice? Top 10 Poster presented at: 45th Conference of the Renal Society of Australasia. 19-21 June 2017; Sydney, Australia.

OTHER COMMUNICATIONS AND OUTPUTS:

AWARD RECIPIENT ADDRESS –

HEALY H. Quality Initiatives – 20th Annual ACHS Quality Improvement Awards 2017. The Australian Council on Healthcare Standards. ISBN 978-1-921806-90-2 (Paperback) 978-1-921806091-9 (Web) page 5. Joint 2017 ACHSM/ACHS Asia-Pacific Health Leadership Congress 27-29 September 2017 Sydney Australia

Published in Conference Proceedings - **HEALY H**, Law B, Wang X, **KILDEY K**, Rist MJ, Wilkinson R, **KASSIANOS AJ**. Interleukin (IL)-17 production by tubulointerstitial human γ/δ T cells in renal fibrosis and chronic kidney disease. In: Journal of the American Society of Nephrology Supplement 2017;28;1015.

Plenary Speaker & Organising Committee – **MALLETT A**, KidGen Renal Genetics Symposium 2017

Plenary Speaker & Organising Committee – **MALLETT A**, Annual Australian Clinical Genomics Symposium 2017

Plenary Speaker – **MALLETT A**, Australian Genomics Annual Meeting 2017

Plenary Speaker & Panellist – **MALLETT A**, Health Data Analytics Conference (HISA) 2017

Plenary Speaker – **MALLETT A**, ADPKD Symposium 2017

Moderator - **RANGANATHAN D**, Trnka P. Workshop in electrolyte imbalances. Nephkids Conference. 30th July 2017; Chennai, India



NEUROLOGY/EPILEPSY

The RBWH Epilepsy group has been active in several areas of research in 2017. This includes epilepsy in pregnancy, genetic studies and functional MRI. Our research has included studies of humans and animal models of epilepsy, and promising new treatments including intravenous immunoglobulin and cannabidiol gel.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	SUPERVISORS (RBWH STAFF IN BOLD)
Javier Urriola	PhD	David Reutens
Ruben Pellicer-Guridi	PhD	David Reutens
Jiasheng Su	PhD	David Reutens
Surabhi Sood	PhD	David Reutens
Sharhzad Bagheri	PhD	David Reutens
Peter Caradonna	PhD	David Reutens
Shaez Abdulla	PhD	David Reutens
Zahid Kausar	PhD	David Reutens
Zheng Qiao	PhD	David Reutens

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Kimberley Irwin	Research Trial Coordinator	Clinical Trials	
Leanne Rigby	Research Officer	Clinical Trials	
Yvonne Gautam	Research Officer	Drug Registry	
Kathryn Richardson	Research Officer	Imaging studies	
Paul Rees	Epilepsy Fellow	Epilepsy	
Lakshmi Kalbad	Epilepsy Fellow	Epilepsy	
Maryam Ziaei	Post-doctoral Fellow	Neuroimaging	
Reza Bonyadi	Post-doctoral Fellow	Neuroimaging	
Isahaa Aarya	Post-doctoral Fellow	Neuroimaging	
Min Chen	Post-doctoral Fellow	Neuroimaging	
Qiang Yu	Post-doctoral Fellow	Neuroimaging	

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Lata Vadlamudi	Jeffrey Craig	Combining genetic and epigenetic analyses to generate biomarkers for epilepsy in twins and singletons

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Prof T O'Brien (Melbourne Health)	David Reutens	A Phase 2A, Randomized, Double-Blind, Placebo-Controlled, Multi-Center, Multiple-Dose Study to Assess the Safety and Efficacy of ZYN002 Administered as a Transdermal Gel to Patients with Partial Onset Seizures Synthetic Transdermal Cannabidiol for the Treatment of Epilepsy (STAR 1)
Prof T O'Brien (Melbourne Health)	David Reutens	Open Label Extension Study to ZYN2-CL-03 to Assess the Long Term Safety and Efficacy of ZYN002 Administered as a Transdermal Gel to Patients with Partial Onset Seizures (STAR 2)
Dr. Eva Pietras (SK Life Sciences)	David Reutens	An Open Label, Multicenter, Safety and Pharmacokinetic Study of YKP3089 as Adjunctive Therapy in Subjects with Partial Onset Seizures
Prof T O'Brien (Melbourne Health)	David Reutens	A double-blind, randomized, placebo-controlled study to investigate the efficacy and safety of cannabidiol (GWP42003-P, CBD) as add-on therapy in patients with tuberous sclerosis complex who experience inadequately-controlled seizures
Prof T O'Brien (Melbourne Health)	David Reutens	A Multicenter, Double-Blind, Randomized, Placebo-Controlled Trial With an Open-Label Extension Phase of Peramppanel as Adjunctive Treatment in Subjects at Least 2 years of Age With Inadequately Controlled Seizures Associated With Lennox-Gastaut Syndrome

2017 RESEARCH AWARDS

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
David Reutens	ARC Discovery Project DP150104771	"Towards detection of neuronal currents with magnetic resonance imaging"	ARC	\$452,600.	
V Vegh, DC Reutens , M Gray, C Riney, S Malone	NHMRC Project Grant. APP1104933	Novel MRI approaches to map focal cortical dysplasia in focal epilepsy	NHMRC	\$465,489 (2016-2018)	

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
David Reutens	Neurology/ Epilepsy	Training Centre of Innovation in Biomedical Imaging Technology IC170100035	ARC Industrial Transformation	\$948,742	\$4,743,710 (2017-2021)
David Reutens	Neurology/ Epilepsy	“Targeting Complement in post-traumatic epileptogenesis”	US Department of Defence Congressional Directed Medical Research Programs. EP160027	\$687,170	USD \$545,005.46
Lata Vadlamudi	Neurology/ Epilepsy	Combining genetic and epigenetic analyses to generate biomarkers for epilepsy in twins and singletons	RBWH Research Foundation	\$40,000	2017

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Yu Q, Reutens D, O'Brien K, Vegh V. Tissue microstructure features derived from anomalous diffusion measurements in magnetic resonance imaging. Hum Brain Mapp 2017; 38(2):1068-1081.
Journal Article	Marstaller L, Burianova H, Reutens DC. Adaptive contextualization: A new role for the default mode network in affective learning. Hum Brain Mapp 2017; 38(2):1082-1091.
Journal Article	Martin AK, Dzaifc I, Robinson GA, Reutens D , Mowry B. Mentalizing in schizophrenia: a multivariate functional MRI study. Neuropsychologia 2016; 93(Pt A):158-166.
Journal Article	Chen M, Arumugam TV, Leange G, Tieng QM, Yadav A, Ullmann JFP, She DT, Truong V, Ruitenberg MJ, Reutens DC . Disease-modifying effect of intravenous immunoglobulin in an experimental model of epilepsy. Sci Rep 2017; 7:40528. doi: 10.1038/srep40528.
Journal Article	Bollman S, Robinson SD, O'Brien K, Vegh V, Janke A, Marstaller L, Reutens DC , Barth M. The challenge of bias free coil combination for quantitative susceptibility mapping at ultra-high field. Magn Reson Med (In Press)
Journal Article	Wu T, Groandjean J, Bosshard SC, Rudin M, Reutens D , Jiang T. Altered regional connectivity reflecting effects of different anaesthesia protocols in the mouse brain. Neurolmage (In Press)
Journal Article	Tieng Q, Anbazhagan A, Chen M, Reutens D . Mouse epileptic seizure detection with multiple EEG features and simple thresholding technique. J Neural Engineering (In Press)
Journal Article	Venkatachalam TK, Bernhardt PV, Stimson DHR, Pierens GK, Bhalla R, Reutens DC . A novel strategy to introduce 18F positron emitting radionuclide in gallium nitrate complex. Synthesis, NMR, X-ray crystal structure and preliminary studies on radiolabeling with 18F. Aust J Chem 2017 https://doi.org/10.1071/CH17334 .
Journal Article	Burianova, H., Faizo, N. L., Gray, M., Hocking, J., Galloway, G., & Reutens, D. (2017). Altered functional connectivity in mesial temporal lobe epilepsy. Epilepsy Res, 137, 45-52. doi:10.1016/j.epilepsyres.2017.09.001
Journal Article	Pellicer-Guridi, R., Vogel, M. W., Reutens, D. C. , & Vegh, V. (2017). Towards ultimate low frequency air-core magnetometer sensitivity. Sci Rep, 7(1), 2269. doi:10.1038/s41598-017-02099-z

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Pierens, G. K., Venkatachalam, T. K., & Reutens, D. C. (2017). NMR and DFT investigations of structure of colchicine in various solvents including density functional theory calculations. <i>Sci Rep</i> , 7(1), 5605. doi:10.1038/s41598-017-06005-5
Journal Article	Rigg, J., Irwin, K., Tremayne, F., & Reutens, D. (2017). Postural change in convulsive seizures: a retrospective review of video EEG recordings. <i>Intern Med J.</i> doi:10.1111/imj.13573
Journal Article	Watson, C., Janke, A. L., Hamalainen, C., Bagheri, S. M., Paxinos, G., Reutens, D. C. , & Ullmann, J. F. P. (2017). An ontologically consistent MRI-based atlas of the mouse diencephalon. <i>Neuroimage</i> , 157, 275-287. doi:10.1016/j.neuroimage.2017.05.057
Journal Article	Benyamin B, He J, Zhao Q, Gratten J et al. (2017) Cross-ethnic meta-analysis identifies association of the GPX3-TNIP1 locus with amyotrophic lateral sclerosis. <i>Nature Communications</i> . (In Press)
Journal Article	Venkatachalam T, Stimson D, Pierens G, Bhalla R, Reutens D. Challenges in the automated synthesis of [18F]-1-fluoroethyl tryptophan: Formation of both O- and N-alkylated products. <i>Applied Radiation and Isotopes</i> 2017 (In Press)
Journal Article	Nguyen HD, Ullmann JFP, McLachlan GJ, Voleti V, Li W, Hillman EMC, Reutens DC , Janke AL. Whole-volume clustering of time series data from zebrafish brain calcium images via mixture modelling. <i>Stat Anal Data Min</i> 2018; 11(1): 5-16.
Journal Article	Gratten J, Zhao Q, Benyamin B, et al. Whole-exome sequencing in amyotrophic lateral sclerosis suggests NEK1 is a risk gene in Chinese. <i>Genome Med</i> 2017 9(1):97. doi: 10.1186/s13073-017-0487-0.
Journal Article	Zhang Y, Burgess R, Malone J, Glubb GC, Helbig KL, Vadlamudi L , et al. Genetic Epilepsy with Febrile Seizures Plus: Refining the spectrum <i>Neurology</i> 2017 89(12):1210-1219.
E Publication	Vajda FJE, O'Brien TJ, Graham JE, Hitchcock AA, Lander CM, Eadie MJ. Predicting epileptic seizure control during pregnancy. <i>Epilepsy Behav.</i> 2018 Jan;78:91-95. Epub 2017 Nov 24.
E Publication	Vajda FJE, O'Brien TJ, Graham J, Hitchcock AA, Lander CM, Eadie MJ. Anti-epileptic drug exposure and risk of foetal death in utero. <i>Acta Neurol Scand.</i> 2018 Jan;137(1):20-23. Epub 2017 Aug 31.
E Publication	Vajda FJ, O'Brien TJ, Graham JE, Hitchcock AA, Lander CM, Eadie MJ. Antiepileptic drugs, foetal malformations and spontaneous abortions. <i>Acta Neurol Scand.</i> 2017 Mar;135(3):360-365. Epub 2016 Aug 29.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral invited	Vadlamudi L , Mohandas N, Hopkins S, Loke J, Mackenzie L, Bennett C, Berkovic S, Craig J. Peripheral epigenetic biomarkers for idiopathic epilepsies: The testament of twins Nov 2017 Epilepsy Society of Australia Annual Scientific Meeting Perth
Oral invited	Vadlamudi L , Mohandas N, Hopkins S, Loke J, Mackenzie L, Bennett C, Berkovic S, Craig J. Peripheral epigenetic biomarkers for idiopathic epilepsies: The testament of twins Dec 2017 American Epilepsy Society Annual Meeting Washington DC, USA

RESEARCH PUBLICATIONS / PRESENTATIONS SUMMARY TABLE

RESEARCH GROUP / DEPARTMENT	JOURNAL ARTICLES	BOOKS AND CHAPTERS	ORAL	POSTER
Neurology/Epilepsy	21		2	

NEUROLOGY - MOTOR NEURONE DISEASE RESEARCH GROUP

The Motor Neurone Disease (MND) research team is led by Associate Professor Rob Henderson and Professor Pam McCombe. The team involves University of Qld (UQ), neurologists, scientists, PhD students, a neuropsychologist and research coordinators. The team has links to the University of Sydney and University of NSW and also collaborates with international MND researchers.

MND research includes involvement in clinical pharmaceutical trials, The Neurologists have also provided input into upcoming early phase studies for investigational products aimed to treat Motor Neurone Disease. The research coordinators have been involved in the set-up phase for some of these studies

MND participants are recruited via the bi-monthly MND Clinic or via referral from external Neurologists. A weekly MND Research Clinic is conducted to allow interested patients and families to meet all the researchers and discuss current research projects prior to deciding whether they wish to participate.

Neuropsychological research is conducted by the team neuropsychologist and a PhD student investigating cognitive and behavioural changes in MND patients. Another project investigates the role of metabolism in MND and has found a proportion of patients experience hypermetabolism. The study has expanded to include muscle biopsy, collection and analysis of gut biomes and more extensive dietary history.

There remains a lack of reliable diagnostic and prognostic biomarkers for the disease. Several of the research projects aim to find novel biomarkers for the disease. This includes blood collection sent to UQ laboratories for genetic screening / biomarker studies, MRI sequencing via 7T MRI located at UQ and correlation of median and ulnar nerve conduction testing with a device measuring the pinch strength of the patient, to see if the device could be useful clinically. The group is also investigating the role of novel genetic and epigenetic markers in causing and influencing disease progression.

Research funding from the national Ice Bucket challenge commenced 2016 and is guaranteed over the next 3 years to fund increased research coordinator hours. A new national Motor Neurone Disease database system known as SALSA has been implemented and all new and existing patients participating in research are entered into this database. The team is also involved in regular fund raising events throughout the year including a Golf Day and an MND lunch event. Money for the MND research is held within the Royal Brisbane and Women's Hospital Foundation.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Zara Ioannides	Masters, UQ (2015-2017)	Energy metabolism and lipid storage in motor neurone disease (MND)	Robert Henderson, Pam McCombe , Shyuan Ngo, Frederik Steyn
Zhouwei Xu	PhD, UQ (2014-2017)	Cognitive dysfunction in Motor Neurone Disease	Pam McCombe, Robert Henderson, Shyuan Ngo, Frederik Steyn, Aven Lee

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Saman Heshmat	Conjoint Fellow	Clinical research	University of QLD

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Amelia Ceslis, Amelia	Robert Henderson, PamCombe , Gail Robinson (UQ)	Assessment of cognition and behaviour in Motor neurone Disease in a clinical setting and the impact of education sessions on care giver well-being
Robert Henderson, Pam McCombe	Shyuan Ngo (UQ)	Assessment of biomarkers in Motor Neurone Disease (MND)
Robert Henderson, Pam McCombe	Stephen Rose (UQCCR), Alan Coulthard (DMI)	Measuring disease of upper and lower motor neurones in Amyotrophic Lateral Sclerosis (ALS)
Robert Henderson, Pam McCombe	Saman Hesmat , QPharm (QIMR)	A Phase 1b, Open-Label, Dose-Escalation, Safety and Pharmacokinetic Study of IC14 in Motor Neurone Disease.
Robert Henderson, Pam McCombe	QPharm,	Ici14???
Robert Henderson, Pam McCombe	Saman Heshmat, Britta Hughes (RBWH Physio Dept)	A Randomised, Cross-over Study to Evaluate Efficacy and Tolerability of FLX-787 in patients with Motor Neurone Disease
Robert Henderson, David Wyld	Saman Heshmat , David Goldstein (Lowy Cancer research Centre, University of NSW)	Peripheral Neuropathy in Chemotherapy-treated Patients: Predictors, Assessment strategies and Functional Outcomes
Robert Henderson (feasibility, protocol review, and ethics submission)	Pam McCombe	Phase 2 Randomised Placebo-Controlled Double-Blind Study to Assess the Efficacy and safety of Tecfidera in patients with Amyotrophic Lateral Sclerosis-TEALS Study
Robert Henderson (feasibility, protocol review, and ethics submission)	Pam McCombe	Effects of oral Levosimendan (ODM-109) on Respiratory Function in Patients with ALS
Robert Henderson (feasibility, protocol review, and ethics submission)	Pam McCombe	A Phase2, Randomised, Double-Blind, Placebo Controlled Study of IC14 for Treatment of Patients with Rapidly Progressive Motor Neurone Disease

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Shyuan Ngo(UQ), Frederik Steyn (UQ), Zara Ioannides (UQ)	Rob Henderson, Pam McCombe	Energy metabolism and Lipid storage in Motor Neurone Disease (MND)

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Frederik Steyn	Emerging Leaders in Neurology Research Award, Wesley Medical Research, Wesley Hospital	Wesley Medical Research
Shyuan Ngo	Emerging Leaders in Neurology Research Award, Wesley Medical Research, Wesley Hospital	Wesley Medical Research

2017 RESEARCH AWARDS

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Frederik Steyn (UQ), Shyuan Ngo (UQ), Veronique Chachay (UQ)	Rob Henderson	Investigating endocrine causes and consequence of loss of appetite in MND patients	MNDRIA	\$100,000	\$100K (2018)
Frederik Steyn (UQ), Christine Guo (QIMR), Shyuan Ngo (UQ)	Rob Henderson, Pamela McCombe	Endocrine and Appetite Targets and Therapies (EATT) for Motor Neuron Disease (MND): Investigating mechanisms of impaired appetite regulation and weight loss in MND.	Wesley Medical Research Neurology Research Grant/ UQ Faculty of Medicine	\$46500	\$93K (2018-2019)
Frederik Steyn (UQ), LH van den Berg, (UMC, Utrecht), RPA v. Eijk (UMC, Utrecht)	Rob Henderson	Use of Point-of-Care (PoC) testing to improve respiratory management and monitor disease progression in MND: A pilot study	RBWH foundation	\$28000	\$28K (2018)
Shyuan Ngo (UQ), Frederik Steyn (UQ)	Robert Henderson, Pamela McCombe	Assessment of metabolic health in neurodegeneration: studies in motor neurone disease (MND)	Wesley Medical Resesarch	\$95532	\$382,128 (2017-2020)
Shyuan Ngo (UQ), Frederik Steyn (UQ), Jeff Coombes (UQ)	Robert Henderson, Pamela McCombe	Metabolic exploration in neurodegenerative disease (MEND): synergy between derangements in systemic and muscle metabolism in MND	MNDRIA	\$100,000	\$100,000 (2017)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Fleur Garton (UQ), Shyuan Ngo (UQ), Anjali Henders, Qiongyi Zhao (UQ), Beben Benyamin (UQ), Naomi Wray (UQ), Noah Zaitlen (UCSF), Frederik Steyn (UQ)	Robert Henderson, Pamela McCombe	Cell-free DNA and ALS; insight into disease mechanisms and progression	MNDRIA	\$100,000	\$100,000 (2017)
Shyuan Ngo (UQ)		Investigating the synergy between metabolic balance and the gut microbiome in motor neuron disease (MND)	UQ	\$36,750	\$36,750 (2017)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Shyuan T Ngo, Jia D Mi, Robert D Henderson , Pamela A McCombe , Frederik J Steyn. Exploring Targets and Therapies for ALS: Current Insights on Dietary Interventions. Degenerative Neurological and Neuromuscular Disease. 25 July 2017 Volume 2017:7 Pages 95–108. doi.org/10.2147/DNND.S120607
Journal article	Zara Amina Ioannides, FJ Steyn, JD Mi, RD Henderson , PA McCombe , ST Ngo. Predictions of resting energy expenditure in ALS are greatly impacted by reductions in fat free mass. Cogent Medicine. 2017 Jul 4(1), 1343000.
Journal article	Zara A Ioannides, Frederik J Steyn, Robert D Henderson , Pamela A McCombe , Shyuan T Ngo. Anthropometric measures are not accurate predictors of fat mass in ALS. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration. 2017 Apr 27:1-6.
Journal article	Benyamin, B., He, J., Zhao, Q., Gratton, J., Garton, F., Leo, P., Liu, Z., Mangelsdorf, M., Al-Chalabi, A., Anderson, L., Butler, T., Chen, L., Chen, X-D., Cremin, K., Deng, H-W., Devine, M., Edson, J., Fifita, J., Furlong, S., Han, Y-Y., Harris, J., Henders, A., Jeffree, R., Jin, Z-B., Li, Z., Li, T., Li, M., Lin, Y., Liu, X., Marshall, M., McCann, E., Mowry, B., Ngo, S.T., Pamphlett, R., Ran, S., Reutens, D., Rowe, D.B., Sachdev, P., Shah, S., Song, S., Tan, L-J., Tang, L., van den Berg, L., van Rheenen, W., Veldink, J., Wallace, R., Wheeler, L., Williams, K., Wu, J., Wu, X., Yang, J., Yue, W., Zhang, Z-H., Zhang, D., Blair, I., Henderson, R. , McCombe, P. , Noakes, P., Visscher, P.M., Xu, H., Bartlett, P., Brown, M., Wray, N.R., Fan, D. Cross-ethnic meta-analyses identify a new risk locus for amyotrophic lateral sclerosis. Nature Communications. 2017. 8 (1): 611.
Journal article	Alruwaili AR, Pannek K, Coulthard A, Henderson R , Kurniawan ND, McCombe PA . A combined tract-based spatial statistics and voxel-based morphometry study of the first MRI scan after diagnosis of amyotrophic lateral sclerosis with subgroup analysis. J Neuroradiol. 2017 Aug 9. pii: S0150-9861(17)30368-1. doi: 10.1016/j.neurad.2017.03.007. [Epub ahead of print]
Journal article	Garton FC, Benyamin B, Zhao Q, Liu Z, Gratten J, Henders AK, Zhang ZH, Edson J, Furlong S, Morgan S, Heggie S , Thorpe K , Pfluger C, Mather KA, Sachdev PS, McRae AF, Robinson MR, Shah S, Visscher PM, Mangelsdorf M, Henderson RD , Wray NR, McCombe PA . Whole exome sequencing and DNA methylation analysis in a clinical amyotrophic lateral sclerosis cohort. Mol Genet Genomic Med. 2017 Jun 12;5(4):418-428

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Ngo ST, Jia DM, Henderson RD, McCombe PA , Steyn FJ . Exploring Targets and Therapies for Amyotrophic Lateral Sclerosis: Current Insights on Dietary Interventions Degenerative Neurological and Neuromuscular Disease (accepted June 2017).
Journal article	Benjamin B, He J, Zhao Q, Gratten J, Garton F, Leo PJ, Liu Z, Mangelsdorf M, Al-Chalabi A, Anderson L, Butler TJ, Chen L, Chen XD, Cremin K, Deng HW, Devine M, Edson J, Fifita JA, Furlong S, Han YY, Harris J, Henders AK, Jeffree RL, Jin ZB, Li Z, Li T, Li M, Lin Y, Liu X, Marshall M, McCann EP, Mowry BJ, Ngo ST, Pamphlett R, Ran S, Reutens DC, Rowe DB, Sachdev P, Shah S, Song S, Tan LJ, Tang L, van den Berg LH, van Rheenen W, Veldink JH, Wallace RH, Wheeler L, Williams KL, Wu J, Wu X, Yang J, Yue W, Zhang ZH, Zhang D, Noakes PG, Blair IP, Henderson RD, McCombe PA , Visscher PM, Xu H, Bartlett PF, Brown MA, Wray NR, Fan D. Cross-ethnic meta-analysis identifies association of the GPX3-TNIP1 locus with amyotrophic lateral sclerosis. Nat Commun. 2017 Sep 20;8(1):611. doi: 10.1038/s41467-017-00471-1
Journal article	Xu Z. Mass spectrometry analysis of plasma from Amyotrophic lateral sclerosis and control subjects: evidence of widespread physiological change (second review May 2017).
Journal article	Ioannides ZA, Steyn FJ, Henderson RD, McCombe PA , Ngo ST. Anthropometric measures are not accurate predictors of fat mass in ALS. Amyotroph Lateral Scler Frontotemporal Degener. 2017 Apr 27;1-6. doi: 10.1080/21678421.2017.1317811. [Epub ahead of print]
Journal article	Safety and efficacy of ozanezumab in patients with amyotrophic lateral sclerosis: a randomised, double-blind, placebo-controlled, phase 2 trial. Lancet Neurol. 2017 Mar;16(3):208-216
Journal article	Xu Z, Alruwaili ARS, Henderson RD, McCombe PA . Screening for Cognitive and Behavioral Impairment in Amyotrophic Lateral Sclerosis: frequency of abnormality and effect on survival. J Neurol Sci. 2017 May 15;376:16-23
Journal article	Geevasinga N, Menon P, Scherman DB, Simon N, Yiannikas C, Henderson RD , Kiernan MC, Vucic S. Author response: Diagnostic criteria in amyotrophic lateral sclerosis: A multicenter prospective study. Neurology. 2017 Feb 14;88(7):719
Journal article	Hogden A, Foley G, Henderson RD , James N, Aoun SM. Amyotrophic lateral sclerosis: improving care with a multidisciplinary approach. J Multidiscip Healthc. 2017 May 19;10:205-215
Journal article	Peripheral nerve diffusion tensor imaging as a measure of disease progression in ALS. Simon NG, Lagopoulos J, Paling S, Pfluger C, Park SB, Howells J, Gallagher T, Kliot M, Henderson RD , Vucic S, Kiernan MC. J Neurol. 2017 May;264(5):882-890.
Journal article	Dharmadasa T, Henderson RD , Talman PS, Macdonell RA, Mathers S, Schultz DW, Needham M, Zoing M, Vucic S, Kiernan MC. Motor neurone disease: progress and challenges. Med J Aust. 2017 May 1;206(8):357-362.
Journal article	McCombe PA, Henderson RD , Wray N. Extra-motor abnormalities in amyotrophic lateral sclerosis; another layer of heterogeneity. Expert Review of Neurotherapeutics 2017 Jun;17(6):561-577.
Journal article	Aoun SM, Breen LJ, Oliver D, Henderson RD , Edis R, O'Connor M, Howting D, Harris R, Birks C. Family carers' experiences of receiving the news of a diagnosis of Motor Neurone Disease: A national survey. J Neurol Sci. 2017 Jan 15;372:144-151.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Presentation	28th International ALS/MND Symposium. Boston, USA. Steyn, F.J., Ioannides, Z., van Eijk, R.P., van den Berg, L.H., Henderson, R.D., McCombe, P.A. and Ngo, S.T. Hypermetabolism is associated with lower motor neurone burden, functional decline and predicts survival in ALS
Oral Presentation	26th Annual RBWH Healthcare Symposium, Steyn, F.J., Ioannides, Z., van Eijk, R.P., van den Berg, L.H., Henderson, R.D., McCombe, P.A. and Ngo, S.T. Hypermetabolism is associated with lower motor neurone burden, functional decline and predicts survival in ALS

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster Presentation	ANZAN 2017. Goldcoast, Australia. Frederik J Steyn, Restuadi Restuadi, Zara Ioannides, Shyuan T Ngo, Allan McRae, Naomi R Wray, Robert Henderson, Pamela McCombe . Comparison of faecal microbe diversity between motor neurone disease (mnd) and control participants
Poster Presentation	ANZAN 2017. Goldcoast, Australia. Zara A Ioannides, Shyuan T Ngo, Robert D Henderson, Pamela A McCombe , Frederik J Steyn Hypermetabolism in motor neurone disease is associated with a greater functional decline but not weight loss
Poster presentation	ANZAN 2017. Goldcoast, Australia. Zara A Ioannides, Frederik J Steyn, Robert D Henderson, Pamela A McCombe , Shyuan T Ngo. The risk of overestimating fatness in motor neurone disease: longitudinal assessments of body composition



NEUROLOGY (STROKE)

The RBWH Stroke research group has remained active in 2017, leading and contributing to many studies across several areas in stroke. We have also welcomed Dr Claire Muller to the research team this year.

In the hyperacute phase we continued to work on the value of Quantitative EEG in stroke, partnering with QAS to investigate the role of technology in pre-hospital identification of stroke. We also collaborated with other sites around the nation to investigate better thrombolytic medication to administer to stroke patients in the Emergency department, and better neuroimaging to identify patients to administer these treatments to.

In the recovery phase we started enrolling participants in a study of medication for enhancing recovery in the first few weeks after stroke, collaborating with international investigators. We also continued to enrol in two other international studies of oral anticoagulant medication to prevent stroke recurrence.

Our thanks to the RBWH Foundation for their ongoing support of research at RBWH and within the Stroke team, and for their ongoing organisation and support of the fundraising activities that help finance our research program, especially the Master Stroke Business Luncheon.

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Geoffrey Donnan (The Florey Institute of Neuroscience and Mental Health) Stephen Davis (Royal Melbourne Hospital)	Andrew Wong, Claire Muller	A randomised, multicentre, double blinded, placebo controlled phase 3 trial in ischaemic stroke patients with significant penumbral mismatch at 4.5 – 9 hours post onset of stroke or after ‘wake up’ stroke comparing intravenous tPA with placebo
Mark Parsons (John Hunter Hospital)	Andrew Wong, Claire Muller	A multicentre, prospective, randomised open-label blinded endpoint phase III study in stroke thrombolysis patients to compare tenecteplase and alteplase for an outcome of less disability at three months
Bruce Campbell (Royal Melbourne Hospital) Peter Mitchell (Royal Melbourne Hospital)	Andrew Wong, Claire Muller	A randomized controlled trial of tenecteplase versus alteplase before intra-arterial reperfusion therapy within 4.5 hours of stroke onset utilizing dual target imaging selection
Han-Christoph Diener (Germany)	Andrew Wong, Claire Muller	A multicentre, randomized, double-blind, evaluation in secondary stroke prevention comparing the efficacy and safety of the oral thrombin inhibitor dabigatran etexilate versus acetylsalicylic acid in patients with embolic stroke of undetermined source
Robert Hart (Canada)	Andrew Wong, Claire Muller	A multicentre, randomized, double-blind, double-dummy, active-comparator, event-driven, superiority phase III study of secondary prevention of stroke and prevention of systemic embolism in patients with a recent embolic stroke of undetermined source, comparing rivaroxaban with aspirin

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Schleiger, Emma; Wong, Andrew ; Read, Stephen; Rowland, Tennille ; Finnigan, Simon. Poststroke QEEG informs early prognostication of cognitive impairment. Psychophysiology. 2017;54(2):301-309
Journal article	Cadilhac, Dominique A; Andrew, Nadine E; Lannin, Natasha A; Middleton, Sandy; Levi, Christopher R; et al. Quality of acute care and long-term quality of life and survival: the Australian Stroke Clinical Registry. Stroke [internet] 2017 (cited 2017 Jan 29);48:00-00. DOI: 0.1161/STROKEAHA.116.015714.
Journal article	Cadilhac, Dominique A; Kilkenny, Monique F; Levi, Christopher R; Lannin, Natasha A; Thrift, Amanda G; et al. Risk-adjusted hospital mortality rates for stroke: evidence from the Australian Stroke Clinical Registry (AuSCR).The Medical Journal of Australia. 2017;206(88):345-350
Journal article	Campbell, Bruce CV; Mitchell, Peter J; Churilov, Leonid; Yassi, Nawaf; Kleinig, Timothy J; Yan, Bernard; et al. Tenecteplase versus alteplase before endovascular thrombectomy (EXTEND-IA TNK): A multicenter, randomized, controlled study. International Journal of Stroke. [internet] 2017 (cited Sep 27 2017); DOI https://doi.org/10.1177/1747493017733935
Journal article	Campbell, Bruce CV; Mitchell, Peter J; Churilov, Leonid; Keshtkaran, Mahsa; Hong, Keun-Sik; Kleinig, Timothy J; et al. endovascular Thrombectomy for ischemic stroke increases Disability-Free survival, Quality of life, and life expectancy and reduces cost. Frontiers in Neurology. 2017;8:657 doi: 10.3389/fneur.2017.00657

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	Wong, A. Queensland clot retrieval implementation. Stroke Society of Australasia ASM 2017
Oral Invited	Muller, C. LAA Closure or Non-Disclosure. Stroke Society of Australasia ASM 2017

NUCLEAR MEDICINE/SPECIALISED PET SERVICES QLD

The Department of Nuclear Medicine at the Royal Brisbane and Women's Hospital (RBWH) is one of the largest in Australia. It provides a referral, diagnostic and therapeutic nuclear medicine service with four SPECT/CT gamma cameras, one solid state cardiac camera, BMD dual energy X-ray absorptiometry (DEXA) and a pQCT scanner. Research interests in nuclear medicine include image reconstruction methodologies, application of gating and bone mineral densitometry in various disease states.

The department hosts the state-wide Specialised PET Services Queensland, which operates two state-of-the-art PET/CT scanners and a TGA accredited radio laboratory operating a cyclotron. It offers research facilities to a wide variety of investigators. In addition to conventional tracers such as fluorodeoxyglucose (^{18}F FDG), the Service also conducts research using ^{18}F DOPA, ^{18}F FMISO and ^{68}Ga -DOTATATE and ^{68}Ga -PSMA. ^{68}Ga -Pentixafor is currently being used in animal studies, allowing for the study and research of a greater range of diseases. There is also ongoing research interest in image reconstruction algorithms, respiratory gating and image analysis techniques.

The department also provides a radionuclide therapy service for patients with inoperable neuroendocrine tumours and soon-to-commence treatment for prostate cancer. Whilst predominantly focussed upon clinical service delivery, retrospective analysis of patients previously treated in our state wide NET service aims to more effectively tailor our treatment to patients most likely to benefit and minimise the risk of side effects.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Kirstie Caravani	Masters, QUT (FT: 2017)	Micro-dosimetry of ^{177}Lu -PSMA and ^{225}Ac -PSMA radionuclides using Geant4 simulations	Jye Smith
Dominique Scott	MPhil UQ (PT 2017-)	New radiopharmaceutical methodology for PET imaging	Melissa Latter, Kristofer Thurecht

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Dr Jye Smith	Adjunct lecturer	School of Medicine	UQ (2009-current)
Dr Melissa Latter	Honorary Research Fellow	Faculty of Medicine	UQ (2014-current)

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
David Pattison	Rahul Ladwa, David Wyld, Matthew Burge, Nicholas Dowson, Stephen Rose, Jye Smith, Stephen Goodman, Steven Williams.	Predictors of dosimetry and response to peptide receptor radionuclide therapy
Paul Thomas, David Pattison	Ashleigh Scott, Glen Kennedy, Siok Tey	Pilot study of 18FGE-180-PET to assess acute gastrointestinal graft versus host disease

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Melissa Latter	2016 Churchill Fellow	Travelled to UK, Denmark, Germany and Finland from September to November 2017 to undertake fellowship.

2017 RESEARCH AWARDS

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Ashleigh Scott, Glen Kennedy, Paul Thomas, David Pattison, Siok Tey	Cancer Care Services Nuclear Medicine	Pilot study of 18FGE-180-PET to assess acute gastrointestinal graft versus host disease	Diamond Care	\$40,000	\$40,000

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Bartlett ML, Forsythe A, Brady B, Mathews JD. Diagnostic Nuclear Medicine for Paediatric Patients in Australia; Assessing the Individual's Dose Burden. Radiation Protection Dosimetry (2017).
Journal article	Dowson N, Baker C, Thomas P, Smith J, Puttick S, Bell C, Salvado O, Rose S. Federated optimisation of kinetic analysis problems, Medical Image Analysis 35, 116-132, 2017
Journal article	Bell C, Puttick S, Rose S, Smith J, Thomas P & Dowson N. Design and utilisation of protocols to characterise dynamic PET uptake of two tracers using basis pursuit, Physics in Medicine and Biology, Volume 62, Number 12, 2017

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Gillman A, Rose S, Smith J, Thomas P & Dowson N. PET motion correction in context of integrated PET/MR: current techniques, limitations, and future projections. Med. Phys. Accepted Author Manuscript. doi:10.1002/mp.12577
Journal article	Pattison DA , Bozin M, Gorelik A, Hofman MS, Hicks RJ, Skandaraja A. 18F-fluorodeoxyglucose-avid thyroid incidentalomas: the importance of contextual interpretation. Journal of Nuclear Medicine 2017 Oct 12; [Epub ahead of print]
Journal article	Kong G, Grozinsky-Glasberg S, Hofman MS, Callahan J, Meirovitz A, Maimon O, Pattison DA , Gross DJ, Hicks RJ. Efficacy of Peptide Receptor Radionuclide Therapy (PRRT) for Functional Metastatic Paraganglioma and Pheochromocytoma. Journal of Clinical Endocrinology & Metabolism 2017; 102: 3278-3287.
Journal article	Pattison DA , Hicks RJ. Molecular imaging in the investigation of hypoglycaemic syndromes and their management. Endocrine Related Cancer 2017; 24: R203-R221.
Letter	Pattison DA , Hicks RJ. THYROPET study: is biology or technology the issue? Journal of Nuclear Medicine 2017; 58: 354.
Journal article	Kong G, Callahan J, Hofman MS, Pattison DA , Akhurst T, Michael M, Eu P, Hicks RJ. High clinical and morphologic response using 90Y-DOTA-octreotate sequenced with 177Lu-DOTA-octreotate induction peptide receptor chemoradionuclide therapy (PRCRT) for bulky neuroendocrine tumours. European Journal of Nuclear Medicine and Molecular Imaging 2017; 44: 476-489.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Latter MJ, Tapper S, Scott D, Tai C, Ergenekon A, Lummis S . Optimising Manufacture of 68GaRadiopharmaceuticals: Experience from a Clinical PET Service. RACI National Centenary Conference, 2017.
Oral	Tai C , Taylor S, Tapper S, McRobbie G, Dalsgaard G, Grigg J . Development and Process Validation of [18F]GE-216 on FASTlab™ Synthesizer; A Radiotracer for Imaging Tau Pathology. RACI National Centenary Conference, 2017.
Poster	Lummis S, Tapper S , Taylor S, Latter MJ . Validation of [18F]-GE180 for Clinical PET Studies of Neuroinflammation. RACI National Centenary Conference, 2017.
Oral	Tai C , Taylor S, Tapper S , McRobbie G, Dalsgaard G, Grigg J. Development and Process Validation of [18F]GE-216 on FASTlab™ Synthesizer; A Radiotracer for Imaging Tau Pathology. 47th Annual Scientific Meeting of the Australian and New Zealand Society of Nuclear Medicine, 2017.
Poster	Lummis S, Tapper S , Taylor S, Latter MJ . Validation of [18F]-GE180 for Clinical PET Studies of Neuroinflammation. 47th Annual Scientific Meeting of the Australian and New Zealand Society of Nuclear Medicine, 2017.
Oral Invited	Pattison DA . Lu-PSMA & Theranostics in metastatic castrate resistant prostate cancer (CRPC). Brisbane Cancer Conference 2017. Brisbane, Queensland.
Oral Invited	Pattison DA . Imaging strategies for known and suspected MEN1 in adolescents. Australian Paediatric Endocrine Group Annual Scientific Meeting 2017, Hobart, Tasmania.
Oral Invited	Pattison DA . PET-positive thyroid lesions. 7th Multidisciplinary Update on Thyroid & Parathyroid Surgery 2017, Noosa, Queensland.
Oral Invited	Pattison DA . Theranostics: expanding evidence base for radionuclide therapy. Australian Society for Medical Imaging and Radiation Therapy (ASMIRT) Sunshine Coast Weekend Seminar 2017, Caloundra, Queensland.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	Pattison DA. Navigating the New Landscape of Managing Radioiodine Refractory Differentiated Thyroid Cancer. Breakfast symposium: Endocrine Society of Australia Annual Scientific Meeting 2017; Perth, Western Australia.
Oral Invited	Pattison DA. Insulinoma: Finding the Needle in the haystack with PET. Australian Cancer Research Foundation (ACRF) Herston Imaging Research Facility (HIRF) Oncology Symposium 2017, Brisbane, Queensland.
Oral	Macfarlane L, Pattison DA. Using a formula based on BMI and BSL for administration of actrapid for FDG-PET scans where the patient's BSL is elevated on arrival. 47th Annual Scientific Meeting of the Australian and New Zealand Society of Nuclear Medicine, 2017, Hobart, Tasmania.
Oral Invited	Pattison DA. Theranostics for NETs and thyroid cancer. Queensland Branch Meeting of Australia & New Zealand Society of Nuclear Medicine, 2017, Brisbane, Queensland.
Oral	Kong G, Grozinsky-Glasberg S, Callahan J, Hofman MS, Meirovitz A, Maimon O, Pattison DA , Gross DJ, Hicks RJ. 177Lu-DOTA-OCTREOTATE Peptide Receptor Radionuclide Therapy (PRRT) in patients with functional and metastatic Pheochromocytoma (PCC) or Paraganglioma (PGL). Australian & New Zealand Society of Nuclear Medicine Annual Scientific Meeting 2017
Poster	Hong A, Graf A, Lee M, Jayawardene D, Pattison DA , MacIsaac RJ, Sachithanandan N. Two cases of adrenocortical carcinoma. Endocrine Society of Australia Annual Scientific Meeting 2017, Perth, Western Australia.
Poster	Kong G, Grozinsky-Glasberg S, Callahan J, Hofman MS, Meirovitz A, Maimon O, Pattison DA , Gross DJ, Hicks RJ. Peptide Receptor Radionuclide Therapy for treatment of functional and metastatic Pheochromocytoma and Paraganglioma. European Neuroendocrine Tumour (ENETS) Conference 2017, Barcelona, Spain.
Poster	Robinson, B. Improving Staff Morale: A Prospective Study of Employee Job Satisfaction Within a Nuclear Medicine Department. Australian and New Zealand Society of Nuclear Medicine Conference, 2017, Hobart, Tasmania.

PALLIATIVE AND SUPPORTIVE CARE

Recipient of the in recognition of the establishment of the MN Kidney Supportive Care program, collaboration between MN Kidney Services and the RBWH Palliative and Supportive Care Service. The implementation sought evidence through an AusHSI Grant leading to the evidence of improved health outcomes with the service.

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Choosing Wisely	Emily D'Arcy, Neil Cottrell, Alison Kearney, Melissa Eastgate, Katherine Bettington	Investigating patient's perceptions towards medicine burden in palliative oncology patients

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
David Currow , Palliative Care Clinical Studies Collaborative	Alison Kearney Carol Douglas	Rapid Pharmacovigilance in Palliative Care
	Louise Purtell, Marcin Sowa, Ilse Berquier, Carla Scuderi, Carol Douglas, Bernadette Taylor, Katrina Kramer, Wendy Hoy, Helen Healy, Ann Bonner¹	The Kidney Supportive Care program: Baseline results from a new model of care for advanced chronic kidney disease

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Kidney Supportive Care Service Metro North HHS	2017 MNHHS Research Excellence Award for Health Services and Implementation	2017 Metro North HHS Research Excellence Awards
Kidney Supportive Care Service Metro North HHS		2017 ACHS National Clinical Excellence Award

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Jeon YS, Kearney AM , Baker PG. Management of hiccups in palliative care patients. BMJ Supportive and Palliative Care 2017 ;0:1-6.doi:10.1136

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Douglas C. Hepatology Supportive Care 2017 Australia New Zealand Society Palliative Medicine Medical and Surgical Update meeting . Melbourne
Oral	Douglas C. Inpatients nearing the end of life: a point prevalence Study. Palliative Care Australia Conference 2017. Adelaide SA
Oral	Douglas C. , Saul P. Having the difficult conversation. Australian Perioperative Meeting/ANZCA 2017. Sydney
Oral	Douglas C. “Symptom Management in Neurodegenerative Disease. IAPCON (International Indian Palliative Care Association 2017, Coimbatore India
Oral	Douglas C. Inpatients nearing the end of life: a point prevalence study. International Collaborative Best Care of the Dying -Care Compassion and Clinical Excellence, 2017.Liverpool, UK.
Oral	Douglas C. Improving life for patients with end stage kidney disease Palliative Care Australia Conference 2017. Adelaide SA

PHARMACY

About this service:

The pharmacy Department at RBWH works collaboratively with medical, nursing and allied health colleagues to provide safe, effective, economic and high quality evidence based medication management to patients at RBWH and as part of the wider hospital and health service. A clinical and support service is provided to all patients of RBWH 7 days a week. Research and the continual evaluation of the pharmacy service and wider health care service is a corner stone of the department's strategy to drive continual quality improvement in medicines management. Participation in research is expected and supported by all senior staff and junior staff are encouraged and supported to initiate quality improvement activities and develop research skills.

Highlights of 2017:

Research has focussed on evaluation of pharmacy practice (evaluation of the impact of pharmacist input to medical ward rounds on quality use of medicines and medicine use in palliative care, outpatient antibiotic therapy and pharmacist prescribing in surgical pre-assessment clinics and development of advanced practitioners) pharmacokinetics and pharmaco-metrics (in particular anticoagulants and antimicrobial therapy) and drug use in maternity, neonatology and paediatrics.

Karen Whitfield for her work with obstetric medicine and Carla Scuderi for her work with Chronic Kidney Disease team won research awards as part of their respective multidisciplinary research teams at Metro North Hospital and Health Service Research awards 2017.

The department facilitates and chairs a monthly research collaborative meeting, between all pharmacy departments in Metro North and representatives from the University of Queensland and Queensland University of Technology. This is to encourage the pitching of research ideas at all levels, and promoted as a forum where novice and experienced researchers alike can gain advice and academic support from experts in their area of potential research.

Conjoint research positions have continued with School of Pharmacy University of Queensland (SOP UQ) (1 x 0.2 FTE funded by SOP UQ), held by Dr Karen Whitfield. As in previous years the pharmacy department to be well represented at the federal hospital pharmacy conference in November, with the target to reach of 21 papers presented orally or as posters in 2015. International collaboration has been extensive in particular from Prof Jason Roberts work with ICU, Burns and critical care team. Similarly 5 staff have adjunct research positions with UQ and three with QUT.

A/Prof Neil Cottrell has been formally made an honorary Senior Research Fellow across all MNHHS pharmacy Sites

Our research activities help improve patient outcomes by focusing on the design of pharmacy services; implementation of evidence based practitioner development programs. The work of Prof Roberts' team results in leading edge antimicrobial therapy in critical care patients and other challenging patient populations. His NHMRC-funded Centre for Research Excellence based out of the Herston Campus continues to lead many projects with international collaborators with over 30 such papers in 2017 alone. Funding for this group has also been strong, with Prof Roberts second named investigator on a \$3.2 million NHMRC Project Grant that commenced in 2017.

It is hoped during 2018 that a Centre for Safe and Effective Medicines Management Research will be created jointly between University of Queensland and Metro North Hospital and health Service with a Professor and Assoc. Professor of Pharmacy.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Nicola Harper	PhD, UQ (2015 – present)	A pre and post study to evaluate the impact of an Automated Medication Distribution System (AMDS) on medication administration in the RBWH Emergency Department.	Danielle Stowasser , Neil Cottrell, Ian Coombes , Jessica Suna
William Franks	Masters (2017 – present) – upgrade to PhD post confirmation	Optimisation of antifungals and antivirals in lung transplant recipients	Jason Roberts , Menino Cotta, Mohd-Hafiz Abdul-Aziz
Kelly Mulvogue	Masters of Philosophy, UQ (2012-2017)	Improving the quality of prescribing in elderly hospital inpatients: evaluating the effect of a clinical pharmacist on ward rounds.	Alesha Smith, Ian Coombes , Jason Roberts , Neil Cottrell, Shanthi Kanagarajah
Carla Scuderi	PhD	Patient focused medication outcomes in Kidney transplant patients (working title)	Dr Helen Healy , A/Prof Christine Staatz
Kate Murphy	MPhil , Griffith University (2014-2018)	Clozapine and concomitant medications: Setting the record straight	Ian Coombes , Amanda Wheeler
Daniel Bermingham	Master of Clinical Pharmacy	Clinical placement with Kidney Health Service	Carla Scuderi
Ms Nur Abu Kassim	PhD UQ (2015-2017)	To investigate vitamin D and vitamin D analogues levels in human plasma	Dr Karen Whitfield , Professor N Shaw, Dr A Hewavitharana
Karen Davies	PhD, UQ (2015 – present)	Development and validation of a nurse medication administration performance evaluation and feedback tool.	Ian Coombes, Karen Whitfield
Ms Angela North	MPhil (2015-2018)	Investigation of Therapeutic Heparin in the peri partum period	Dr Karen Whitfield , Dr K Lust , Dr H Barrett
Sahra Ashley	MPhil (2015-2018)	Health economic analysis of Outpatient antimicrobial services at a quaternary hospital	Dr Karen Whitfield
Paul Firman	MPhil (2017-2019)	Pharmacist Led Therapeutic Drug Monitoring	Dr Karen Whitfield , Dr K Tan
Kathryn Hurree	MPhil (2018-2020)	Investigation of Impact of a pharmacist in palliative Care Clinics	Dr Karen Whitfield , Dr A Carney
Ms Bonnie Tai	PhD (2018-2021)	Leadership within Hospital Pharmacy	Dr Karen Whitfield , Dr I Coombes
Dr Danny Tsai	PhD UQ 2017	Improving antibiotic dosing in critically ill Australian Indigenous patients with severe sepsis	Jason Roberts
Brooke Myers	PhD, UQ	A study to investigate and evaluate the impact of a clinical pharmacist on the safety and quality of the prescribing on a post take ward round.	I. Coombes , P Donovan , C Mitchell, J Whitty
Caitlin Lock	Masters of Philosophy, QUT (2017-present)	Evaluation of the impact and change processes associated with emergency department pharmacy service	Ian Coombes , Neil Cottrell
Tavey Dorofaeff	PhD, UQ	How to use antibiotics better in Paediatric Intensive Care using pharmacokinetic principles	Jeffrey Lipman , Jason Roberts , Mark Coulthard
Caleb Economou	PhD, UQ	The pharmacokinetics of vancomycin, meropenem and ticarcillin in critically ill patients undergoing prolonged intermittent renal replacement therapy	Jason Roberts , Jeffrey Lipman , B. Richards

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Yarmarly Guerra Valero	PhD, UQ	Translating microsampling techniques into better antibiotic dosing for critically ill children	Jason Roberts
Nilesh Kumta	MPhil UQ	Optimising antibiotic dosing for the treatment and prevention of central nervous system infections	Jeffrey Lipman, Jason Roberts
Jayesh Dhanani	PhD, UQ	Study of disposition of inhaled antibiotics	Jason Roberts, J. Fraser
Rochelle Ryan	MPhil, UQ	Perioperative cefazolin pharmacokinetics in obesity.	Jason Roberts, A van Zundert, Jeffrey Lipman, K Wyssusek
Eko Setiawan	PhD, UQ	Pharmacokinetics of antimicrobials in hospitalised Indonesian patients	Jason Roberts, MO Cotta, Jeffrey Lipman
Lisa Wang	MPhil, UQ	Plasma and tissue pharmacokinetics of lincomycin in patients with burn wound infection	M Muller, Jason Roberts, Jeffrey Lipman
Paul Williams	MPhil, UQ	Validation of antibiotics dosing guidelines in critically ill patients	Jason Roberts, MO Cotta
Gloria Wong	PhD, UQ	A pharmacokinetic-pharmacodynamic evaluation of beta-lactam antibiotics TDM-guided dose adjustment in critically ill patients	Jason Roberts, Jeffrey Lipman
Andrew Burke	MPhil, UQ	A study of the pharmacokinetic properties of mycobacterial antibiotics in cystic fibrosis	Jason Roberts, RM Thomson, S Bell, DJ Smith
Vesa Cheng	MPhil, UQ	Dose optimisation of anti-infective drugs in extracorporeal membrane oxygenation (ECMO)	Jason Roberts
Andy Lo	MPhil, UQ	Documenting pharmacy clinical interventions using portable devices and adaptation of a published medication error model to an Australian tertiary centre	Jason Roberts, JA Coombes, A Hale, PI Pillans
Saiyuri Naicker	PhD, UQ	The microbiological effects of antimicrobial de-escalation: An in-vitro evaluation in a dynamic infection model	Jason Roberts, F Sime
Chandra Sumi	PhD, UQ	Optimization of alternative antibiotic dosing regimens for maximal antibacterial activity and suppression of emergence of resistance	Jason Roberts, F Sime
Christopher Anstey	PhD UQ	Extramitochondrial metabolism of citrate metabolism in the critically ill	B Venkatesh, Jason Roberts
Jason Waddell	PhD, QUT	An Investigation in to the Personality Characteristics of Australian Pharmacists : How to Develop Leadership and Practice Changing Skills	Lisa Nissen, Greg Kyle, Andrew Hale
Claire Hosie	MPhil, potential to upgrade to PhD, UQ	Validation of a risk rating tool on discharge for patients at high risk of medication misadventure and readmission	Neil Cottrell, Andrew Hale
Monika Ogilvie	MPhil, QUT	To evaluate the effect of a collaborative doctor-pharmacist prescribing model compared to the usual medical prescribing model in the Emergency Department	Lisa Nissen, Greg Kyle, Andrew Hale

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Penelope Richards	MPhil, QUT	A comparison between Doctor- Pharmacist collaborative and usual Medical model for perioperative prescribing of medications in an Anaesthetic lead pre-admission clinic.	Lisa Nissen, Greg Kyle, Andrew Hale
Karen Bettenay	PhD, QUT	Evaluation of allied health prescribing in Queensland and development of prescribing implementation and evaluation frameworks	Lisa Nissen, Greg Kyle, Andrew Hale

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Ian Coombes	Adj Assoc Professor	School of Pharmacy	UQ 2011 - present
Ian Coombes	Adj Assoc Professor	School of Pharmacy	QUT 2016 - present
Andrew Hale	Adjunct Senior Lecturer	School of Pharmacy	UQ 2008 - present
Andrew Hale	Adjunct Associate Professor	School of Pharmacy	QUT 2017 - present
Jason Roberts	Professor NHMRC Practitioner Fellow	School of Pharmacy & Faculty of Medicine	University of Queensland (2009-current)
Karen Whitfield	Adj Senior Lecturer	School of Pharmacy	UQ
Gemma Woodruff	Conjoint Associate Lecturer	School of Pharmacy	2015-present
Carla Scuderi	Post Graduate Clinical Pharmacy Program – Course Coordinator	PHRM 7040 Pharmacy in the modern world	University of Qld (2015-current)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Angela North	Angela North, Karen Whitfield, Karin Lust, Helen Barrett	Therapeutic unfractionated heparin during the peripartum period.
Julie Withers, Rolene Coetzee	Hui Shin Choon (QUM student)	Assessing the feasibility of pharmacist attendance on Post-Take Ward Rounds in Internal Medicine at the RBWH
Jared Zipf	Adriana Zukiwskyj (Qum student)	Evaluation of medication information included in Discharge Medication Records for Internal Medicine, RBWH
Nicola Harper	Danielle Stowasser, Ian Coombes, Neil Cottrell, Jessica Suna, Tracey Hawkins	A pre and post study to evaluate the impact on an Automated Medication Distribution System (AMDS) on medication administration in the RBWH Emergency Department.
Nicola Harper	Danielle Stowasser, Jane Hogan	Impact of a Medication Dispensing and Distribution Robot (MDDR) on dispensing errors at the RBWH Pharmacy.

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Nicola Harper	Danielle Stowasser, Jane Hogan, Natasha Truloff, Peter Quan	A before and after time-and-motion of the impacts of Electronic Medication Management (EMM) systems on workflow at two Queensland hospitals.
Nicola Harper & Peter Donovan	Danielle Stowasser, Ian Coombes, Natasha Truloff, Timothy Dunn, Anita Pelecanos, Charles Denaro, Katharine Dekker	Evaluation of the implementation of electronic prescribing using interrupted time-series analysis at two Queensland hospitals
Nicola Harper	Danielle Stowasser, Natasha Truloff	A before-and-after evaluation of the impact of an Electronic Prescribing and Medication Administration (EPMA) system on medication administration at two Queensland hospitals.
Nicola Harper	Li Qi Ho (UQ, QUM Student)	Pharmacy Robotics: How will it affect access to medications at RBWH?
Nicola Harper		How long does discharge medication management take? A baseline study prior to Electronic Medications Management (EMM) implementation at the Royal Brisbane and Women's Hospital (RBWH)
Nicola Harper		Imprest supply time-and-motion for the RBWH Emergency Department: a baseline study prior to Automated Medication Distribution Systems (AMDS)
Nicola Harper	Danielle Stowasser	Imprest time and motion: before and after implementation of a Medication Dispensing and Distribution Robot (MDDR)
Serena Rofail, Lyndsay Steel & Jesseca Eglington	Kevin Rogers (CCU NUM), Dr John Atherton, Dr Chris Hammett	Earlier discharge planning in CCU following Cath Lab procedure
Serena Rofail, Lyndsay Steel, Jesseca Eglington & Andy Hale	Stephanie McKellar, Lisa Allard	Trial of staggering pharmacist shifts on CCU to improve pharmacist workflow
Lyndsay Steel, Champika Patullo	Ian Coombes, Andrew Hale, Peter Donovan, Glen Kennedy, Alison Mudge, Michael Barras, Bonnie Tai	Collaborative Optimisation of Anticoagulation Study: COAG
Lyndsay Steel	Madeline Parnell, Neil Cottrell, Michael Barras	Investigating patients' knowledge about their anticoagulant medication – cross site with PAH
William Franks	Julian Williams	Assessment of pharmacist impact on AMS in the ETC, a pre and post intervention analysis
William Franks	Abiodun Bolarinwa	Assessment of antimicrobial prescribing in a correction facility
Carla Scuderi/ Kidney Health Service	Danielle Ironside, Michelle Rice, Jared Zipf, Carla Dawson, Melynda Flor, Dr Adrian Kark, Dr Neil Cottrell	Supporting adherence in patients with chronic kidney disease through a pharmacist led targeted medication management plan
Kidney Health Service- Lesley Williams	Pauline Nicholls, Dwarka Ranganathan, Carla Scuderi, Michelle Rice, Deborah Smith, Nicola Williams	A feasibility study into the use of acetic acid at exit site versus mupirocin to prevent exit site infections in peritoneal dialysis patients. ACES study.
Os Cotta	Jason Roberts/ Jeffrey Lipman	Benzylpenicillin HREC/15/QRBW/31 Optimising benzylpenicillin dosing for critically ill patients with severe pneumonia
Jeffrey Lipman/Joel Dulhunty/Jason Roberts/O Cotta	Jeffrey Lipman/ Marianne Kirrane	BLING III A phase III randomised controlled trial of continuous beta-lactam infusion compared with intermittent beta-lactam dosing in critically ill patients
Os Cotta/ Jason Roberts	Jeffrey Lipman/ Jayesh Dhanani	Ceftriaxone HREC/16/QRBW/101 Optimising ceftriaxone dosing for critically ill patients with severe pneumonia

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Jason Roberts	Jeffrey Lipman	Ceftolozane/Tazobactam HREC/16/QRBW/211 An Observational Pharmacokinetic study of Ceftolozane-Tazobactam in Intensive Care Unit in patients with and without continuous renal replacement therapy.
Jason Roberts	Jeffrey Lipman	Ceftolozane/Tazobactam HREC/17/QRBW/117 “A prospective observational pharmacokinetic evaluation of the plasma and cerebrospinal fluid concentrations of a single dose ceftolozane/tazobactam in infected critically ill patients with an indwelling external ventricular drain”
Suzanne Parker	Jeffrey Lipman Jason Roberts Steven Wallis	Micro sampling HREC/15/QRBW/249 Validation of Microsampling versus Traditional Blood Sampling for Antibiotic Pharmacokinetics.
Nilesh Kumta/ Jason Roberts	Jeffrey Lipman	OASES EVD sampling for antibiotics HREC/16/QRBW/157 The Pharmacokinetics of Ceftriaxone, Meropenem, Piperacillin-Tazobactam and Vancomycin in the Cerebrospinal Fluid of Critically Ill Patients with Uninflamed Meninges
Jason Roberts	Jeffrey Lipman	Posaconazole (HREC/16/QRBW/377) Single dose population pharmacokinetics of intravenous posaconazole in critically ill patients
Jason Roberts	Jeffrey Lipman	SAFE-ICU (HREC/16/QRBW/292) Screening Anti-Fungal Exposure in Intensive Care Units The SAFE-ICU Study An international, multi-centre prospective pharmacokinetic evaluation of antifungal drug exposure in intensive care unit patients receiving conventional dosing regimens

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Dr Louise Cullen, Dept Emergency and Trauma	Peter Donovan, Ian Coombes, Liz Doran, Neil Cottrell	Evaluation of the incidence of adverse drug events causing admission to hospital
Andrew Udy / Jason Roberts	Jeffrey Lipman / Jason Roberts	ADP Trauma HREC/15/QRBW/14 A randomised controlled clinical trial of Augmented Dosing of Piperacillin-tazobactam in TRAUMA patients with suspected or confirmed infection
Claire Roger	Jason Roberts	AMIINO III HREC/16/QRBW/205 An international survey on aminoglycoside practices in critically ill patients: AMINO III survey
ESCIMD	Os Cotta/ Cheryl Fourie / Jason Roberts	Determinants of Antimicrobial use and de-escalation in critical care (DIANA study)

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Kidney Supportive Care Program- Carla Scuderi, Ilse Beriquer, Carol Douglas, Danielle Heffernan, Helen Healy, Anne Bonner, Louise Purtell, Marcain Sowa	Health Services and Implementation Award,	Metro North Hospital and Health Service Research Excellence Awards 2017
Carla Scuderi, Judith Burrows, Dr Treasure Maguire, a/Prof Alexandra Clavarino, Dr Adam Lacaze, Dr Karen Luetsch, Vanessa King	Commendations for programs that enhance learning	Teaching and Learning Awards 2017. University of Qld

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Carla Scuderi	Kidney Health Service/ Pharmacy Department	Validating microsampling devices in kidney transplant patients	RBWH Foundation	\$40,000	1
Dr Karen Whitfield, Dr I Coombes, Ms K Davies	Pharmacy	Neonatal Medication Safety across the Continuum of Care	Sanofi Pamela Nieman Continuum Of Care Grant – SHPA	\$10,000	\$10,000
Graham Radford Smith, Ian Coombes, Amy Legg	Gastroenterology and Pharmacy	Evaluation of a therapeutic Drug Monitoring Service for Inflammatory Bowel Disease patients	SEED	\$45,000	1 year
Kerstin Wyssussek, Andrew Hale, Sue Cadigan	Anaesthetics, Division of Surgery and Pharmacy	IMPACT – optimisation of perioperative blood management prior to surgery	SEED	\$25,000	1 year
Claire Hosie, Andrew Hale, Neil Cottrell, Peter Donovan	Pharmacy and Clinical Pharmacology	Evaluation of a referral tool for patients at high risk of medication misadventure on discharge	RBWH Foundation	\$37,000	1 year

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Michael Barras, Peter Donovan, Graham Kennedy , Charles Denaro Ian Coombes	Medicine, clinical pharmacology, haematology, pharmacy	Validation of a therapeutic range for enoxaparin in renal patients (TRENEX)	RBWH Foundation Grant	\$40,000	1 year
Barras M, Donovan P, Mudge A, Kennedy G, Coombes I	Pharmacy, pharmacology, haematology, Internal medicine	Collaborative optimisation of Anticoagulation Study (COAG)	SEED	\$85,000	1 year
Nilesh Kumta, Jason Roberts, Jeffrey Lipman	RBWH Intensive Care Services, Pharmacy	OACES	Intensive Care Foundation	\$35,000	1 year
Jeffrey Lipman, Jason Roberts, Joel Dulhunty	RBWH Intensive Care Services, Pharmacy	BLING III	NHMRC	\$3.2 M	5 years
Liu D, Roberts J	RBWH Intensive Care Services, Pharmacy	Pharmacokinetics of transdermal nicotine replacement therapy patches in critically ill patients with hepatic failure	Avant Mutual Group LtdAvant Doctor in Training Research Scholarship Grant: Advancement in Medicine category	\$12,500	2 years
Kumta N, Fourie C, Lipman J, }Roberts J, Cotta MO	RBWH Intensive Care Services, Pharmacy	Optimising antibiotic CSF exposures for the treatment of central nervous system infections	RBWH & RBWH Foundation	\$5000	1 year
Kumta N, Lipman J, Roberts J, Joynt G, Wong W-T, Cotta MO	RBWH Intensive Care Services, Pharmacy	Optimising Antibiotic CSF Exposures for the Treatment of Central Nervous Sytem Infections	Intensive Care Foundation	\$35,000	1 year
Roberts J, Parker S, Dorofaeff T	RBWH Intensive Care Services, Pharmacy	Advanced treatment of infectious diseases for critically ill children, through innovation in blood sampling	2018 Children's Hospital Foundation Preclinical and Clinical Research Grant RPC04918	\$295,445	2 years
Cohen J, Liu D, Roberts J, Livermore A, Reza N, Udy A.	RBWH Intensive Care Services, Pharmacy	Plasma nicotine concentrations in critically ill patients receiving transdermal nicotine replacement therapy (nrt)	Intensive Care Foundation	\$40,000	1 year
Scuderi C, John G, Parker S, Healy H, Staatz C, Roberts J	RBWH Intensive Care Services, Pharmacy	Innovative blood sampling to reduce the burden of long- term treatment for kidney transplant recipients	RBWH & RBWH Foundation	\$40,000	1 year
Roberts J	RBWH Intensive Care Services, Pharmacy	Assay development for therapeutic drug monitoring of ceftolozane- tazobactam	Merck, Sharpe & Dohme	\$12,100	2 years

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Roberts J	RBWH Intensive Care Services, Pharmacy	Lipopeptide antibiotics for XDR Gram-negative infections	Blaskovich M, Cooper M, Hansford K, Roberts JA, Paterson DL	\$994,897.15	3 years
Paterson D, Roberts J , Lipman J , Harris P, Whiley D, Beatson S, Schembri M	RBWH Intensive Care Services, Pharmacy	Illumina MiniSeq instrument (plus reagents / Nextera XT DNA Library preparing kits) and computing upgrade	Faculty of Medicine's Research Equipment and Infrastructure Investment scheme	\$84,950	2 years
Eisen D, McEwen P, Roberts J , Wallis S, Mulvey P	RBWH Intensive Care Services, Pharmacy	Measuring aspirin penetration into synovial fluid to assess its potential for prevention of prosthetic joint infection	Townsville Hospital and Health Service	\$39,450	1 year

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Eyre, BLKD, Eadie, MJ, van Driel, ML, Ross-Lee, L , Hollingworth, SA. Triptan use in Australia 1997-2015: A pharmacoepidemiological study. Acta Neurol Scand, (2017) 00:1-5
Journal article	Legg A , Barras M, Drug dosing in obesity. Aust Prescr (2017) 40:189-93
Journal article	Mulvogue K, Roberts JA, Coombes I , Cottrell N, Kanagarajah S , Smith A. The effect of pharmacists on ward rounds measured by the STOPP/START tool in a specialized geriatric unit. Journal of Clinical Pharmacy and Therapeutics, 42 (2): 178-184.
Journal article	Murphy K, Coombes I, Moudgil V, Patterson S , Wheeler AJ. Clozapine and concomitant medications: Assessing the completeness and accuracy of medication records for people prescribed clozapine under shared care arrangements. J Eval Clin Pract. 2017 Dec;23(6):1164-1172.doi: 10.1111/jep.12743. Epub 2017 May 4
Journal editorial	Whitfield K (2017) The Emerging Role of the Women's and Newborns Pharmacist. JPPR Editorial (in press)
Journal article	North A, Lust K, Barrett H, Whitfield K Therapeutic heparin during the peri partum period – challenges associated with safe use. (2017) JPPR (in press)
Journal article	Paradissis, C., Coombes, I. D., Donovan, P., Doran, E., McKean, M. and Barras, M. A. (2017), The type and incidence of adverse drug events in ageing medical inpatients and their effect on length of hospital stay. J Pharm Pract Res, 47: 347–354. doi:10.1002/jppr.1255
Journal article	Galbraith, K., Coombes, I. , Matthews, A., Rowett, D., Bader, L. R. and Bates, I. (2017), Advanced pharmacy practice: aligning national action with global targets. J Pharm Pract Res, 47: 131–135. doi:10.1002/jppr.1333
Journal article	Shanika LG, Wijekoon CN, Jayamanne S, Coombes J, Coombes I , Mamunuwa N, Dawson AH, De Silva HA: Acceptance and attitudes of healthcare staff towards the introduction of clinical pharmacy service: a descriptive cross-sectional study from a tertiary care hospital in Sri Lanka. BMC Health Serv Res 2017, 17(1):46.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Perera DMP, Coombes JA, Shanika LGT, Dawson A, Lynch C, Mohamed F, De Silva HA, Jayamanne SF, Peters NB, Myers B Coombes I : Opportunities for pharmacists to optimise quality use of medicines in a Sri Lankan hospital: an observational, prospective, cohort study. <i>Journal of Pharmacy Practice and Research</i> 2017, 47(2):121-130.
Journal article	Foot H, Freeman C, Hemming K, Scott I, Coombes ID , Williams ID, Connelly L, Whitty JA, Sturman N, Kirsa S, Nicholson C, Russell G, Kirkpatrick C and Cottrell N (2017) Reducing medical admissions into hospital through optimising medicines (REMAIN HOME) study: protocol for a stepped-wedge, cluster-randomised trial. <i>BMJ Open</i> , 7 4:. doi: 10.1136/bmjopen-2016-015301
Journal article	Myers, Brooke, Mitchell, Charles, Whitty, Jenny A., Donovan, Peter and Coombes, Ian (2017) Prescribing and medication communication on the post-take ward round. <i>Internal Medicine Journal</i> , 47 4 454-457. Doi:10.1111/imj.13280
Journal article	Shanika LG, Wijekoon CN, Jayamanne S, Coombes J, Coombes I , Mamunuwa N, De Silva HA Dawson AH,(2017): Ward-based clinical pharmacists and hospital readmission: a non-randomized controlled trial in Sri Lanka. <i>WHO Bulletin</i> . http://www.who.int/bulletin/online_first/BLT.17.198366.pdf?ua=1
Journal Article	Waddell J, Nissen L, Hale A . Advanced Pharmacy Practice in Australia and Leadership : Mapping the APPF against an evidence based leadership framework. <i>Journal of Pharmacy Practice and Research</i> 2017; 47 , 263-268
Journal article	Udy AA, Jarrett P, Lassig-Smith M, Stuart J, Starr T , Dunlop R, Deans R, Roberts JA , Senthuran S, Boots R , Bisht K, Bulmer AC, Lipman J . Augmented Renal Clearance in Traumatic Brain Injury: A Single-Center Observational Study of Atrial Natriuretic Peptide, Cardiac Output, and Creatinine Clearance. <i>J Neurotrauma</i> . 2017 Jan 1;34(1):137-144.
Journal article	Sime FB, Johnson A, Whalley S, Santoyo-Castelazo A, Montgomery AB, Walters KA, Lipman J , Hope WW, Roberts JA . Pharmacodynamics of aerosolized fosfomycin and amikacin against resistant clinical isolates of <i>Pseudomonas aeruginosa</i> and <i>Klebsiella pneumoniae</i> in a hollow-fiber infection model: Experimental Basis for Combination Therapy. <i>Antimicrob Agents Chemother</i> . 2016 Dec 27;61(1).
Journal article	Abdul-Aziz MH, Lipman J, Roberts JA . Antibiotic dosing for multidrug-resistant pathogen pneumonia. <i>Curr Opin Infect Dis</i> . 2017 Apr;30(2):231-239.
Journal article	Roger C, Wallis SC, Muller L, Saissi G, Lipman J , Brüggemann RJ, Lefrant JY, Roberts JA . Caspofungin Population Pharmacokinetics in Critically Ill Patients Undergoing Continuous Veno-Venous Haemofiltration or Haemodiafiltration. <i>Clin Pharmacokinet</i> . 2017 Sep;56(9):1057-1068.
Journal article	Roberts JA , Kumar A, Lipman J . Right Dose, Right Now: Customized Drug Dosing in the Critically Ill. <i>Crit Care Med</i> . 2017 Feb;45(2):331-336.
Journal article	Silbert BI, Ho KM, Lipman J, Roberts JA , Corcoran TB, Morgan DJ, Pavey W, Mas E, Barden AE, Mori TA. Does Furosemide Increase Oxidative Stress in Acute Kidney Injury? <i>Antioxid Redox Signal</i> . 2017 Feb 10;26(5):221-226.
Journal article	Alobaid AS, Wallis SC, Jarrett P, Starr T, Stuart J, Lassig-Smith M , Mejia JL, Roberts MS, Roger C, Udy AA, Lipman J, Roberts JA . Population Pharmacokinetics of Piperacillin in Nonobese, Obese, and Morbidly Obese Critically Ill Patients. <i>Antimicrob Agents Chemother</i> . 2017 Feb 23;61(3).
Journal article	Paruk F, Sime FB, Lipman J, Roberts JA . Dosing antibiotic prophylaxis during cardiopulmonary bypass-a higher level of complexity? A structured review. <i>Int J Antimicrob Agents</i> . 2017 Apr;49(4):395-402.
Journal article	Solé-Lleonart C, Rouby JJ, Blot S, Poulakou G, Chastre J, Palmer LB, Bassetti M, Luyt CE, Pereira JM, Riera J, Felton T, Dhanani J , Welte T, Garcia-Alamino JM, Roberts JA , Rello J. Nebulization of Antiinfective Agents in Invasively Mechanically Ventilated Adults: A Systematic Review and Meta-analysis. <i>Anesthesiology</i> . 2017 May;126(5):890-908.
Journal article	Udy AA, Dulhunty JM, Roberts JA , Davis JS, Webb SAR, Bellomo R, Gomersall C, Shirwadkar C, Eastwood GM, Myburgh J, Paterson DL, Starr T , Paul SK, Lipman J . BLING-II Investigators; ANZICS Clinical Trials Group. Association between augmented renal clearance and clinical outcomes in patients receiving β -lactam antibiotic therapy by continuous or intermittent infusion: a nested cohort study of the BLING-II randomised, placebo-controlled, clinical trial. <i>Int J Antimicrob Agents</i> . 2017 May;49(5):624-630.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Economou CJP, Wong G, McWhinney B, Ungerer JPJ, Lipman J, Roberts JA . Impact of β -lactam antibiotic therapeutic drug monitoring on dose adjustments in critically ill patients undergoing continuous renal replacement therapy. <i>Int J Antimicrob Agents</i> . 2017 May;49(5):589-594.
Journal article	Roberts JA , Lefrant JY, Lipman J . What's new in pharmacokinetics of antimicrobials in AKI and RRT? <i>Intensive Care Med</i> . 2017 Jun;43(6):904-906.
Journal article	Bergen PJ, Bulitta JB, Kirkpatrick CMJ, Rogers KE, McGregor MJ, Wallis SC, Paterson DL, Nation RL, Lipman J, Roberts JA , Landersdorfer CB. Substantial Impact of Altered Pharmacokinetics in Critically Ill Patients on the Antibacterial Effects of Meropenem Evaluated via the Dynamic Hollow-Fiber Infection Model. <i>Antimicrob Agents Chemother</i> . 2017 Apr 24;61(5).
Journal article	Naik BI, Roger C, Ikeda K, Todorovic MS, Wallis SC, Lipman J, Roberts JA . Comparative total and unbound pharmacokinetics of cefazolin administered by bolus versus continuous infusion in patients undergoing major surgery: a randomized controlled trial. <i>Br J Anaesth</i> . 2017 Jun 1;118(6):876-882.
Journal article	Parker SL, Guerra Valero YC, Roberts DM, Lipman J, Roberts JA , Wallis SC. Determination of Cefalothin and Cefazolin in Human Plasma, Urine and Peritoneal Dialysate by UHPLC-MS/MS: application to a pilot pharmacokinetic study in humans. <i>Biomed Chromatogr</i> . 2016 Jun;30(6):872-9.
Journal article	Sulaiman H, Abdul-Aziz MH, Roberts JA . Pharmacokinetic/Pharmacodynamics-Optimized Antimicrobial Therapy in Patients with Hospital-Acquired Pneumonia/Ventilator-Associated Pneumonia. <i>Semin Respir Crit Care Med</i> . 2017 Jun;38(3):271-286.
Journal article	Tängdén T, Ramos Martín V, Felton TW, Nielsen EI, Marchand S, Brüggemann RJ, Bulitta JB, Bassetti M, Theuretzbacher U, Tsuji BT, Wareham DW, Friberg LE, De Waele JJ, Tam VH, Roberts JA ; Infection Section for the European Society of Intensive Care Medicine, the Pharmacokinetics and Pharmacodynamics Study Group of the European Society of Clinical Microbiology and Infectious Diseases, the International Society of Anti-Infective Pharmacology and the Critically Ill Patients Study Group of European Society of Clinical Microbiology and Infectious Diseases. The role of infection models and PK/PD modelling for optimising care of critically ill patients with severe infections. <i>Intensive Care Med</i> . 2017 Jul;43(7):1021-1032.
Journal article	Rello J, Solé-Lleonart C, Rouby JJ, Chastre J, Blot S, Poulakou G, Luyt CE, Riera J, Palmer LB, Pereira JM, Felton T, Dhanani J , Bassetti M, Welte T, Roberts JA . Use of nebulized antimicrobials for the treatment of respiratory infections in invasively mechanically ventilated adults: a position paper from the European Society of Clinical Microbiology and Infectious Diseases. <i>Clin Microbiol Infect</i> . 2017 Sep; 23(9):629-639.
Journal article	Parker SL, Guerra Valero YC, Lipman J , Weiss S, Smith C, Russell L, Smith P, Roberts JA , Wallis SC. A validated UHPLC-MS/MS method for the measurement of riluzole in plasma and myocardial tissue samples. <i>Biomed Chromatogr</i> . 2017 Dec;31(12). doi: 10.1002/bmc.4030..
Journal article	Xie J, Roberts JA , Alobaid AS, Roger C, Wang Y, Yang Q, Sun J, Dong H, Wang X, Xing J, Lipman J , Dong Y. Population Pharmacokinetics of Tigecycline in Critically Ill Patients with Severe Infections. <i>Antimicrob Agents Chemother</i> . 2017 Jul 25;61(8). pii: e00345-17. doi: 10.1128/AAC.00345-17.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Sartelli M, Labricciosa FM, Barbadoro P, Pagani L, Ansaloni L, Brink AJ, Carlet J, Khanna A, Chichom-Mefire A, Coccolini F, Di Saverio S, May AK, Viale P, Watkins RR, Scudeller L, Abbo LM, Abu-Zidan FM, Adesunkanmi AK, Al-Dahir S, Al-Hasan MN, Alis H, Alves C, Araujo da Silva AR, Augustin G, Bala M, Barie PS, Beltrán MA, Bhangu A, Bouchra B, Brecher SM, Caínzos MA, Camacho-Ortiz A, Catani M, Chandy SJ, Jusoh AC, Cherry-Bukowiec JR, Chiara O, Colak E, Cornely OA, Cui Y, Demetrashvili Z, De Simone B, De Waele JJ, Dhingra S, Di Marzo F, Dogjani A, Dorj G, Dortet L, Duane TM, Elmangory MM, Enani MA, Ferrada P, Esteban Foianini J, Gachabayov M, Gandhi C, Ghnnam WM, Giamarellou H, Gkiokas G, Gomi H, Goranovic T, Griffiths EA, Guerra Gronerth RI, Haidamus Monteiro JC, Hardcastle TC, Hecker A, Hodonou AM, Ioannidis O, Isik A, Iskandar KA, Kafil HS, Kanj SS, Kaplan LJ, Kapoor G, Karamarkovic AR, Kenig J, Kerschaefer I, Khamis F, Khokha V, Kiguba R, Kim HB, Ko WC, Koike K, Kozlovskaya I, Kumar A, Lagunes L, Latifi R, Lee JG, Lee YR, Leppäniemi A, Li Y, Liang SY, Lowman W, Machain GM, Maegele M, Major P, Malama S, Manzano-Nunez R, Marinis A, Martinez Casas I, Marwah S, Maseda E, McFarlane ME, Memish Z, Mertz D, Mesina C, Mishra SK, Moore EE, Munyika A, Mylonakis E, Napolitano L, Negoï I, Nestorovic MD, Nicolau DP, Omari AH, Ordonez CA, Paiva JA, Pant ND, Parreira JG, Pędziwiatr M, Pereira BM, Ponce-de-Leon A, Poulakou G, Preller J, Pulcini C, Pupelis G, Quiodettis M, Rawson TM, Reis T, Rems M, Rizoli S, Roberts J , Pereira NR, Rodríguez-Baño J, Sakakushev B, Sanders J, Santos N, Sato N, Sawyer RG, Scarpelini S, Scoccia L, Shafiq N, Shelat V, Sifri CD, Siribumrungwong B, Søreide K, Soto R, de Souza HP, Talving P, Trung NT, Tessier JM, Tumbarello M, Ulrych J, Uranues S, Van Goor H, Vereczkei A, Wagenlehner F, Xiao Y, Yuan KC, Wechsler-Fördös A, Zahar JR, Zakrisson TL, Zuckerbraun B, Zuidema WP, Catena F. The Global Alliance for Infections in Surgery: defining a model for antimicrobial stewardship-results from an international cross-sectional survey. <i>World J Emerg Surg.</i> 2017 Aug 1;12:34. doi: 10.1186/s13017-017-0145-2. eCollection 2017.
Journal article	Kumta N, Roberts JA , Lipman J , Cotta MO. Antibiotic Distribution into Cerebrospinal Fluid: Can Dosing Safely Account for Drug and Disease Factors in the Treatment of Ventriculostomy-Associated Infections? <i>Clin Pharmacokinet.</i> 2017 Sep 13. doi: 10.1007/s40262-017-0588-3. In Press
Journal article	Parker SL, Guerra Valero YC, Ordóñez Mejía JL, Roger C, Lipman J , Roberts JA , Wallis SC. An LC-MS/MS method to determine vancomycin in plasma (total and unbound), urine and renal replacement therapy effluent. <i>Bioanalysis.</i> 2017 Jun;9(12):911-924.
Journal article	Sime FB, Hahn U, Warner MS, Tiong IS, Roberts MS, Lipman J , Peake SL, Roberts JA . Using Population Pharmacokinetic Modeling and Monte Carlo Simulations To Determine whether Standard Doses of Piperacillin in Piperacillin-Tazobactam Regimens Are Adequate for the Management of Febrile Neutropenia. <i>Antimicrob Agents Chemother.</i> 2017 Oct 24;61(11). pii: e00311-17. doi: 10.1128/AAC.00311-17.
Journal article	Rhodes NJ, Liu J, O'Donnell JN, Dulhunty JM , Abdul-Aziz MH, Berko PY, Nadler B, Lipman J , Roberts JA . Prolonged Infusion Piperacillin- Tazobactam Decreases Mortality and Improves Outcomes in Severely Ill Patients: Results of a Systematic Review and Meta-Analysis. <i>Crit Care Med.</i> 2018 Feb;46(2):236-243.
Journal article	Abdul-Aziz MH Lipman J , Roberts JA . Identifying "at-risk" patients for sub-optimal beta-lactam exposure in critically ill patients with severe infections. <i>Crit Care.</i> 2017 Nov 21;21(1):283. doi: 10.1186/s13054-017-1871-2.
Journal article	Braune S, König C, Roberts JA , Nierhaus A, Steinmetz OM, Baehr M, Frey OR, Kluge S, Langebrake C. Pharmacokinetics of meropenem in septic patients on sustained low-efficiency dialysis: population pharmacokinetic study. <i>Crit Care</i> 2017; In Press
Journal article	Minichmayr I, Roberts JA , Frey O, Roehr A, Kloft C, Brinkman A. Development of a dosing nomogram for continuous infusion meropenem in critically ill patients based on a validated population pharmacokinetic model. <i>J Antimicrob Chemother</i> 2017; In press
Journal article	Dhaese SAM, Roberts JA , Carlier M, Verstraete AG, Stove V, De Waele JJ. Population pharmacokinetics of piperacillin continuous infusion in critically ill patients. <i>Int J Antimicrob Agents</i> 2017; In Press
Journal article	Byrne C, Parton T, McWhinney B, Fennell J, O'Byrne P, Deasy E, Egan S, Enright H, Desmond R, Ryder S, D'Arcy D, McHugh J, Roberts JA. Population pharmacokinetics of total and unbound teicoplanin concentrations and dosing simulations in patients with haematological malignancy. <i>J Antimicrob Chemother</i> 2017; In Press

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Abbott I, Meletiadis J, Belghanch I, Wijma R, Kanioura L, Roberts JA , Peleg A, Mouton J. Fosfomycin efficacy and emergence of resistance among Enterobacteriaceae in an in-vitro dynamic bladder infection model. J Antimicrob Chemother 2017; In Press
Journal article	Blaskovich, MAT, Hansford KA, Gong Y, Butler MS, Muldoon C, Huang JX, Ramu S, Silva AB, Cheng M, Kavanagh AM, Ziora Z, Premraj R, Lindahl F, Bradford TA, Lee JC, Karoli T, Pelingon R, Edwards DJ, Amadao M, Elliott AG, Phetsang W, Daud NH, Deecke JE, Sidjabat HE, Ramaolaga S, Zuegg J, Betley JR, Beevers APG, Smith RAG, Roberts JA , Paterson DL, Cooper MA. Protein inspired antibiotics active against vancomycin and daptomycin resistant bacteria. Nat Commun. 2018 Jan 2;9(1):22. doi: 10.1038/s41467-017
Journal article	Leguelinel-Blache G, Nguyen TL, Louart B, Poujol H, Lavigne JP, Roberts JA , Muller L, Kinowski JM, Roger C, Lefrant JY, Impact of quality bundle enforcement by a critical care pharmacist on patient outcome and costs. Crit Care Med 2017; In press
Journal article	Sinnah F, Shekar K, Abdul-Aziz MH, Buscher H, Diab SD, Fisquet S, Fung YL, McDonald CI, Reynolds C, Rudham S, Wallis SC, Welch S, Xie J, Fraser JF, Roberts JA . Incremental research approach to describing the pharmacokinetics of ciprofloxacin during extracorporeal membrane oxygenation. Crit Care Resus 2017; In press
Journal article	Vickers ML, Dulhunty JM, Ballard E, Chapman P, Muller M, Roberts JA , Cotta MO. Risk factors for multidrug resistant Gram-negative infection in burn patients. ANZ J Surg 2017; In press
Journal article	Byrne C, Roberts JA , McWhinney B, Fennell J, O'Byrne P, Deasy E, Egan S, Desmond R, Enright H, Ryder S, D'Arcy D, McHugh J. Population pharmacokinetics of teicoplanin and attainment of pharmacokinetic/pharmacodynamic targets in adult patients with haematological malignancy. Clin Microbiol Infect 2017 Sep;23(9):674.e7-674.e13
Journal article	Byrne C, Roberts JA , McWhinney B, Fennell J, O'Byrne P, Deasy E, Egan S, Desmond R, Enright H, Ryder S, D'Arcy D, McHugh J. Variability in trough total and unbound teicoplanin concentrations and achievement of therapeutic drug monitoring targets in adult patients with haematological malignancy. Antimicrob Agents Chemother 2017;24;61(6). pii: e02466-16. doi: 10.1128/AAC.02466-16
Journal article	König C, Braune S, Roberts JA , Nierhaus A, Steinametz OM, Baehr M, Frey OR, Langebrake C, Kluge S. Population pharmacokinetics and dosing simulations of ceftazidime in critically ill septic patients receiving sustained low-efficiency dialysis. J Antimicrob Chemother 2017;72(5):1433-1440
Journal article	Coulter S, Roberts JA , Hajkowicz K, Halton K. The use of Bloodstream Infection (BSI) mortality to measure the impact of Antimicrobial Stewardship (AMS) interventions: assessing the evidence. Inf Dis Reports 2017;9(1):6849
Journal article	Mulvogue K, Roberts JA , Coombes I, Cottrell N, Kanagarajah S, Smith A. The effect of pharmacists on ward rounds measured by the STOPP START tool in a specialised geriatric unit. J Clin Pharm Ther 2017 Apr;42(2):178-184
Journal article	Sartelli M, Kluger Y, Roberts JA , et al. A Global Declaration on Appropriate Use of Antimicrobial Agents across the Surgical Pathway. World J Emerg Surg 2017; 18 (8): 846-53.
Journal article	Rawson TM, O'Hare D, Herrero P, Sharma S, Moore LSP, de Barra E, Roberts JA , Gordon AC, Hope W, Georgiou P, Cass AEG, Holmes AH. Delivering precision antimicrobial therapy through closed-loop control systems. J Antimicrob Chemother 2017; Dec 4. In Press.
Journal article	Roger C, Roberts JA , Muller L. Clinical Pharmacokinetics and Pharmacodynamics of Oxazolidinones. Clin Pharmacokinet 2017; In Press.
Journal article	Cheng V, Abdul-Aziz MH, Roberts JA , Shekar K. Optimising drug dosing in patients receiving extracorporeal membrane oxygenation. J Thoracic Dis 2017; In Press
Journal article	Rello J, Rouby JJ, Sole-Lleonart C, Chastre J, Blot S, Luyt CE, Riera J, Vos MC, Monsel A, Dhanani J, Roberts JA . Key conceptual considerations on nebulization of antimicrobial agents to mechanically ventilated patients. Clin Microbiol Infect 2017; In Press
Journal article	Sulaiman H, Abdul-Aziz MH, Roberts JA . Pharmacokinetic/Pharmacodynamics-Optimized Antimicrobial Therapy in Patients with Hospital-Acquired Pneumonia/Ventilator-Associated Pneumonia. Sem Respir Crit Care Med 2017;38:271–286.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Tängdén T, Ramos Martín V, Felton TW, Nielsen EI, Marchand S, Brüggemann RJ, Bulitta JB, Bassetti M, Theuretzbacher U, Tsuji BT, Wareham DW, Friberg LE, De Waele JJ, Tam VH, Roberts JA . The role of infection models and PK/PD modelling for optimising care of critically ill patients with severe infections. <i>Intensive Care Med</i> 2017; 43: 1021-32.
Journal article	Roberts JA . Beta-lactam therapeutic drug monitoring in the critically ill children: big solution for infections in small people? <i>Crit Care Med</i> 2017; In Press.
Book chapter	Sime FS, Roberts JA . Antibiotic Pharmacodynamics. In Udy AA, Roberts JA, Lipman J (eds). <i>Antibiotic Pharmacokinetic/Pharmacodynamic Considerations in the Critically Ill</i> . Springer, Switzerland, 2017.
Book chapter	Abdul-Aziz MH, Shekar K, Roberts JA . Antibiotic Dosing During Extracorporeal Membrane Oxygenation. In Udy AA, Roberts JA , Lipman J (eds). <i>Antibiotic Pharmacokinetic/Pharmacodynamic Considerations in the Critically Ill</i> . Springer, Switzerland, 2017.
Book chapter	Sinnollareddy M, Cotta MOC, Roberts JA . Pharmacokinetic and Pharmacodynamic Tools to Increase Efficacy. In: Pulcini C, Ergonul O, Can F, Beovic B ed. <i>Antimicrobial Stewardship</i> , European Society of Clinical Microbiology and Infectious Diseases and Academic Press, London, UK 2017.
Book chapter	Denny KJ, Lipman J , Roberts JA . Cephalothin and cefazolin. In: Grayson ML, Crowe SM, McCarthy JS, Mills J, Mouton JW, Norrby SR, Paterson DL, Pfaller MA ed. <i>Kucers' The Use of Antibiotics Seventh Edition: A Clinical Review of Antibacterial, Antifungal and Antiviral Drugs</i> , 7th edition. ASM Press, Washington DC, USA, 2017.
Book chapter	Geddes AM, Gould IM, Roberts JA , Grayson ML, Cosgrove SE. Ampicillin and Amoxicillin. In: Grayson ML, Crowe SM, McCarthy JS, Mills J, Mouton JW, Norrby SR, Paterson DL, Pfaller MA ed. <i>Kucers' The Use of Antibiotics Seventh Edition: A Clinical Review of Antibacterial, Antifungal and Antiviral Drugs</i> , 7th edition. ASM Press, Washington DC, USA, 2017.
Book chapter	Geddes AM, Gould IM, Trubiano JA, Roberts JA , Grayson ML. Benzylpenicillin (Penicillin G). In: Grayson ML, Crowe SM, McCarthy JS, Mills J, Mouton JW, Norrby SR, Paterson DL, Pfaller MA ed. <i>Kucers' The Use of Antibiotics Seventh Edition: A Clinical Review of Antibacterial, Antifungal and Antiviral Drugs</i> , 7th edition. ASM Press, Washington DC, USA, 2017.
Book chapter	Geddes AM, Gould IM, Roberts JA . Phenoxypenicillins. In: Grayson ML, Crowe SM, McCarthy JS, Mills J, Mouton JW, Norrby SR, Paterson DL, Pfaller MA ed. <i>Kucers' The Use of Antibiotics Seventh Edition: A Clinical Review of Antibacterial, Antifungal and Antiviral Drugs</i> , 7th edition. ASM Press, Washington DC, USA, 2017.
Book	Udy AA, Roberts JA , Lipman J (eds). <i>Antibiotic Pharmacokinetic/Pharmacodynamic Considerations in the Critically Ill</i> . Springer, Switzerland, 2017.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Angela North, Karen Whitfield, Karin Lust , Helen Barrett. Therapeutic Heparin in the Obstetric Patient - RBWH Symposium 2017. Brisbane.
Poster	Angela North, Karen Whitfield, Karin Lust , Helen Barrett. Therapeutic Heparin in the Obstetric Patient - SOMANZ 2017. Canberra.
Poster	Withers J, Coetzee R , Langtry E. Improving discharge medication communication – expanding the pharmacy technician's role. Society of Hospital Pharmacists of Australia Federal Conference 2017. Sydney
Poster	Michelle Rice, Stephanie Scammells, Liam Busuttin . Watch out for the washout. Society of Hospital Pharmacists of Australia Medicines Management Conference 2017. Sydney
Poster	Harper N, Stowasser D . The Role of a Research Pharmacist in Electronic Medication Management (EMM). Society of Hospital Pharmacists of Australia Medicines Management Conference, 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Harper N, Stowasser D. The quality of medication allergy and adverse drug reaction documentation across electronic and paper sources. Society of Hospital Pharmacists of Australia Medicines Management Conference, 2017.
Presentation	Lyndsay Steel, Jesseca Eglington. Reviewing the impact of the pharmacist in Cardiology Outpatient Clinic's. Society of Hospital Pharmacists of Australia, Queensland Research Symposium 2017.
Poster	Carla Scuderi, Jesseca Eglington, Toni Broadbent, Huan Zhang, Dr Scott Jones, Dr Andrew Mallett. Sensipar® instead of Surgery. Is it a sensible option? Society of Hospital Pharmacists of Australia Medicines Management Conference, 2017.
Poster	Celeste Bloomfield, Michael Barras, Matthew Gibbs, Carly Fowler, Leigh Robertson, Amy Legg, June Chan, Rebecca Lee, Rodney Neale, Karl Winckel Enoxaparin dosing guidelines in mild to moderate renal impairment. . Society of Hospital Pharmacists of Australia Medicines Management Conference, 2017.
Presentation	Celeste Bloomfield, Michael Barras, Matthew Gibbs, Carly Fowler, Leigh Robertson, Amy Legg, June Chan, Rebecca Lee, Rodney Neale, Karl Winckel. Evaluation of therapeutic enoxaparin dose-response in obese patients: a retrospective case series. Society of Hospital Pharmacists of Australia Medicines Management Conference, 2017.
Poster	Thwaites PA, Braund A, Legg A, Beckman K, Mina J, McIntyre D, Cullen O, Fenech M, Zhou T, Hallam A, Rahman T, Wood M, Leggett BA, Skoien R. Optimising the impact of direct-acting antiviral treatment in hepatitis c: lessons from a universal access, real-world cohort. AASLD 2017
Poster	Amy Legg, Florian Grimpén, Peter Donovan. PPI appropriateness at RBWH – an audit to direct an innovative intervention. National Choosing Wisely Meeting Canberra 2017
Poster	Amy Legg, Florian Grimpén, Peter Donovan. PPI appropriateness at RBWH – an audit to direct an innovative intervention. RBWH symposium 2017
Invited	Amy Legg Invited speaker: Making Waves conference 2017 Antibiotic classes and pharmacokinetics and dynamics. 2017 Warnambool, Vic
Invited	Amy Legg Invited speaker: Hepatitis C summit 2017 Managing tricky drug interactions, Sydney
Invited	Amy Legg Invited speaker: Hepatitis C masterclass 2017, overview of DAAs and drug interactions. Brisbane
Poster	William Franks, Julian Williams: Assessment of antimicrobial prescribing in an emergency department prior to the introduction of a 7-day pharmacy service. A pre-intervention study. National AMR Forum
Poster	William Franks, Abiodun Bolarinwa. Assessment of antimicrobial prescribing in a correctional facility. QLD SHPA research symposium
Oral	Trenerry H, Williams M, Coombes I. Sterile endophthalmitis due to intravitreal bevacizumab cold chain breach. 43rd SHPA National Conference, Sydney, 16-19 November 2017.
Poster	Trenerry H, Voussoughi P, Hosie C, Durso M. Can high-dose loratadine cause seizures - adverse drug reaction or interaction? 43rd SHPA National Conference, Sydney, 16-19 November 2017.
Poster	Danielle Ironside, Michelle Rice, Carla Dawson, Dr Sharad Ratanjee, Louise Purtell, Qi Hui Ang, Assessing the equivalence of erythropoiesis-stimulating agents following brand switching
Poster and 3 minute oral	Carla Scuderi, Dr Helen Healy, Dr Carol Doulgas, Isle Berique, Bernadette Taylor, Dr Louise Purtell, Prof Ann Bonner. The Kidney Supportive Care Program- partnering with patients. Our patients our care.
Oral Invited	Bernadette Taylor, Carla Scuderi, Dr Helen Healy, Dr Katrina Kramer, Dr Louise Purtell, Prof Anne Bonner, Ilse Beriquer. Kidney Supportive Care program our journey thus far. Statewide Renal Network Forum May 2017.
Oral Invited	Bernadette Taylor, Carla Scuderi. Kidney Supportive Care Program. Renal Nursing Network –RENS dinner December 2017
Oral Invited	Carla Scuderi Clinical controversies in kidney disease. Australian Accredited Pharmacist forum. Australian Pharmacy Professional Gold Coast March 2017
Oral Invited	Carla Scuderi The nuts and bolts of kidney transplants – what community pharmacists need to know. Australian Pharmacy Professional Gold Coast March 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Emily D'Arcy, Adrienne Kostellar, Chariclia Paradissis. Metabolic Monitoring and Interventions for Mental Health Consumers on Antipsychotics in the Inpatient Setting
Poster	Abby Yu, Negin Nasseh. Patient adherence to pre-operative fasting and medication instructions. Do we make the cut? Society of Hospital Pharmacists of Australia Medicines Management Conference, 2017.
Poster	Kate Murphy, Ian Coombes, Vikas Moudgil, Sue Patterson, Prof Amanda Wheeler. Clozapine and concomitant medications: Setting the record straight. RBWH Healthcare Symposium 2017
Poster	Kate Murphy, Ian Coombes, Prof. Amanda Wheeler. Clozapine and shared care: The consumer experience. RBWH Healthcare Symposium 2017
Poster	Davies KM, Coombes I, Keogh S , Whitfield K. (2017) Nurse Medication Administration Evaluation Tool Design. Queensland SHPA Research Symposium
Poster	Whitfield K. To develop and evaluate a structured training program for interns in the specialist field of women's and newborns pharmacy. Monash Pharmacy Education Symposium 2017, Prato, Italy, 9-12 July.
Oral	Whitfield K , Barrett H, Fassbind I, Hossein-zadeh Z, Hoy S, Lust K Maternity outpatient department clinic – a new role for the women's and newborns pharmacist SHPA National Conference, November 2017 Sydney.
Poster	Flor, Melynda, Snoswell, Centaine, Ranjantee, Sunita, Tessier, Cameron, Hale, Andrew, Nissen, Lisa, Matthews, Andrew and Coombes, Ian (2017). Checking of dispensed items by an Accuracy Checking Pharmacy Assistant: pre-pilot workflow changes (poster presentation). In: Queensland Hospital Pharmacy Collaborative Research Symposium, Sunshine Coast University Hospital. 22 July 2017.
oral	Phillips, Cameron J. , Matthews, Andrew , Fowler, Peter , Coombes, Ian , Freeman, Christopher , Guidone, Daniel , Mangoni, Arduino A., Martin, Cathy , Brown, Catherine , Scott, Matthew and Ramnani, Sachin (2017). Hospital pharmacy residency- developing capacity and capability in the Australian pharmacy workforce. In: International Congress of Health Workforce Education and Research, Porto, Portugal, 0. 27-29 June 2017.
Oral	Matthews, Andrew , Fowler, Peter , Coombes, Ian , Freeman, Christopher , Guidone, Daniel , Mangoni, Arduino A., Martin, Cathy , Phillips, Cameron J., Brown, Catherine , Scott, Matthew and Ramnani, Sachin (2017). Transitioning from academic education to professional practice: a national residency program for pharmacy. In: Australian and New Zealand Association for Health Professional Educators Conference, Adelaide, SA, Australia, 0. 11-14 July 2017.
Poster	Fowler, Peter , Dooley, Michael , Coombes, Ian D. , Freeman, Christopher , Guidone, Dan , Mangoni, Arduino A., Martin, Cathy , Phillips, Cameron J., Brown, Catherine , Scott, Matthew , Michaels, Kristin and Ramnani, Sachin (2017). Pharmacy's yellow brick road: defining the path from undergraduate to advanced practice.. In: Stronger Together. 12th National Allied Health Conference, Sydney, Australia, 0. 26-29 August 2017.
Oral	Coombes I. Development of Leadership roles. FIP (Pharmaceutical International Federation) Seoul, Korea. 2017
Oral Invited	Hale A : Collaborative Research. SHPA Research Bootcamp. Sydney 16th November 2017
Poster	Turkington J, Hosie C, Hale A. Barriers and Facilitators of the High Risk Discharge Pharmacy Service Set Up Queensland Hospital Pharmacy Collaborative Research Symposium, Sunshine Coast University Hospital. 22 July 2017
Poster	Waddell J, Nissen L, Hale A. Who Do You Think You Are? The Personality Traits of Australian Pharmacists. Queensland Hospital Pharmacy Collaborative Research Symposium, Sunshine Coast University Hospital. 22 July 2017
Poster	Waddell J, Nissen L, Hale A. Who Do You Think You Are? The Personality Traits of Australian Pharmacists. Society of Hospital Pharmacists of Australia Medicines Management Conference, Sydney, Nov 16th – 19th 2017
Poster	Hosie C, Turkington J, Hale A. Development of the ACTNOW referral tool : Flagging Patients who Need Pharmacy Outpatient Services. Society of Hospital Pharmacists of Australia Medicines Management Conference, Sydney, Nov 16th – 19th 2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	Roberts JA , “Should we be personalising antibiotic dosing for critically ill patients?” Critical Care Society of South Africa Annual Congress, Sun City, South Africa, October 2017.
Oral Invited	Roberts JA , “Practical Issues - Dosing on extra corporeal circuits” Critical Care Society of South Africa Annual Congress, Sun City, South Africa, October 2017.
Oral Invited	Roberts JA , “Continuous infusion vs intermittent dosing of beta-lactam antibiotics” Critical Care Society of South Africa Annual Congress, Sun City, South Africa, October 2017.
Oral Invited	Roberts JA , “Is the package insert correct? PK considerations” Critical Care Society of South Africa Annual Congress, Sun City, South Africa, October 2017.
Oral Invited	Roberts JA , “Antibiotics in ECMO: ACTIONS to REDUCE”. Australia-Pacific Extracorporeal Life Support Organisation (APELSO) Conference. Gold Coast, October 2017.
Oral Invited	Roberts JA , “Optimising antimicrobial dosing in the critically ill”. European Society of Intensive Care Medicine Annual Congress, Vienna, September 2017.
Oral Invited	Roberts JA , “Therapeutic drug monitoring - Ready for prime-time?” European Society of Intensive Care Medicine Annual Congress, Vienna, September 2017.
Oral Invited	Roberts JA , “Using PKPD to treat MDR pathogens”. European Society of Intensive Care Medicine Annual Congress, Vienna, September 2017.
Oral Invited	Roberts JA , “Antimicrobial PK/PD”. European Society of Intensive Care Medicine Annual Congress, Vienna, September 2017.
Oral Invited	Roberts JA , “PK-PD Dosing Issues in Special Patients: Critically Ill Patients versus Healthy Volunteers”. 2017 ASM-ESCMID Conference: Drug Development to Meet the Challenge of Antimicrobial Resistance, Boston, USA September 2017.
Oral Invited	Roberts JA , “How can the non-ID Specialist approach AMS”. South African Society of Clinical Pharmacists 7th Annual Conference, Johannesburg, South Africa June 2017.
Oral Invited	Roberts JA , “Therapies for specific infection syndromes”. South African Society of Clinical Pharmacists 7th Annual Conference, Johannesburg, South Africa June 2017.
Oral Invited	Roberts JA , “PK/PD, TDM, dosing in difficult patient groups (ICU, transplant, renal, RRT, ECMO), association with resistance” (Keynote). South African Society of Clinical Pharmacists 7th Annual Conference, Johannesburg, South Africa June 2017.
Oral Invited	Roberts JA , “Customised antibiotic dosing to save patient’s lives” (Plenary) 1st Queensland-Guangdong Clinical Pharmacy Education Symposium, Guangzhou, China May 2017.
Oral Invited	Roberts JA , “Customised Drug Dosing in the Critically Ill”. International PEAK-II (Paul Ehrlich Antiinfektiva Konzentrationen) Workshop, Frankfurt, Germany, April 2017.
Oral Invited	Roberts JA , “Therapeutic Drug Monitoring – for all drugs, for all antibiotics?” European Conference on Clinical Microbiology and Infectious Diseases, Vienna, Austria, April 2017.
Oral Invited	Roberts JA , “Antibiotic Resistance – Clinical Pharmacokinetics/Pharmacodynamics” Joint International Society of Anti-infective Pharmacology (ISAP) and ESCMID Pharmacokinetics/Pharmacodynamics Study Group (EPASG) Conference on Integrating Knowledge and Innovating Therapies, Vienna, Austria, April 2017.
Oral Invited	Roberts JA , “From Diagnosing to Dosing” EUROASIA, European Society of Intensive Care Medicine, Hong Kong, April 2017.
Oral Invited	Roberts JA , “Dosing in Renal Replacement Therapy” EUROASIA, European Society of Intensive Care Medicine, Hong Kong, April 2017.
Oral Invited	Roberts JA , “Right Dose, Right Now: Customised drug dosing in the critically ill.” (Plenary) 46th International Critical Care Congress, Society of Critical Care Medicine, Hawaii USA, January 2017.
Oral Invited	Roberts JA , “Antimicrobial PK/PD”, Medicines Management 2017, Society of Hospital Pharmacists of Australia National Conference, Sydney, Australia November 2017.
Oral Invited	Roberts JA , “Individually Designed Optimum Dosing Strategies”, NHMRC Centre for Research Excellence REDUCE Dose Optimisation Workshop, November 2017, Sydney, Australia.
Oral Invited	Roberts JA , “Appropriate use of antibiotics in critical care”. National Forum on Antimicrobial Resistance. Brisbane, November 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	Roberts JA , “Why is antimicrobial dosing so important to the care of some patient groups?”. Specialist Antimicrobial Stewardship Workshop. National Forum on Antmicrobial Resistance. Brisbane, November 2017.
Oral Invited	Roberts JA . “Antimicrobials: Individualised Dosing and PKPD”. Advanced Critical Care Seminar, Society of Hospital Pharmacists of Australia, Gold Coast, October 2017.
Oral Invited	Roberts JA , “Lipophobic: the challenges of drug dosing in obesity”, Australia and New Zealand College of Anaesthetists Annual Scientific Meeting, Brisbane, Australia, May 2017.
Oral Invited	Roberts JA , Using PKPD to optimise antimicrobial dosing in the critically ill. National Centre for Infections in Cancer Seminar, University of Melbourne, Melbourne, October 2017.
Oral Invited	Roberts JA , “Importance of sufficient dosing for optimising patient outcomes from infection”. Royal Brisbane and Women’s Hospital Annual Research Symposium, Brisbane, September 2017.
Oral Invited	Roberts JA , “Show me the money: Maximising funding from small to large projects” Queensland Critical Care Research Forum, Sunshine Coast University Hospital, Caloundra, May 2017.

RHEUMATOLOGY

During 2017 the rheumatology department produced a diverse range of research ranging from genetic based disease associations to implementation of quality clinical practice measures in patients with acute and chronic musculoskeletal disease. Areas of research interest include management of inflammatory arthritis, crystal arthritis and connective tissue disease.

The rheumatology department liaises closely with other medical specialties, allied health and community service providers to optimise patient outcomes while engaging in clinical based research. In particular, the rheumatology department is involved in Australian based research collaborations regarding lupus, systemic vasculitis and autoimmune disease.

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Philip Robinson	Nil	Gout Genetics

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Philip C Robinson , Nicola Dalbeth and Peter Donovan. The cost effectiveness of six-monthly serum urate monitoring after reaching target in people with gout: a health economic analysis comparing biannual or annual monitoring to no monitoring. Journal of Rheumatology in press (IF 3.24)
Journal Article	LA Bradbury, KA Hollis, BGautier, S Shankaranarayana, PC Robinson , N Saad, KA Lê Cao, MA Brown. Diffusion-Weighted Imaging is a Sensitive and Specific MRI Sequence in the Diagnosis of Ankylosing Spondylitis. Journal of Rheumatology in press (IF 3.24)
Journal Article	Philip C Robinson and Nicola Dalbeth. Lesinurad for the treatment of hyperuricaemia in people with gout. Expert Opinion in Pharmacotherapy , e-published 13th November 2017 (IF 3.53)
Journal Article	Kathleen Morrisroe, Ayano Nakayama, Jason Soon, Mark Arnold, Les Barnsley, Claire Barrett, Prof. Peter M Brooks, Stephen Hall, Patrick Hanrahan, Dr Pravin Hissaria, Graeme Jones, Veera Srividya Katikireddi, Helen Keen, Rodger Laurent, Mandana Nikpour, Katherine Poulsen, Philip Robinson , A/ Prof Muriel Soden, Nigel Wood, Nicola Cook, Catherine Hill and Rachelle Buchbinder. EVOLVE: The Australian Rheumatology Association's 'top five' list of investigations and interventions doctors and patients should question. Internal Medicine Journal , e-published 28 October 2017. (IF 1.90)
Journal Article	Matthew A. Brown, Paul A. Bird, Philip C. Robinson et al. Evaluation of the effect of baseline MRI sacroiliitis and C reactive protein status on etanercept treatment response in non-radiographic axial spondyloarthritis: a post hoc analysis of the EMBARK study. Annals of the Rheumatic Diseases e-published 3rd July 2017 (IF 12.81)
Journal Article	G. Thomas, D. Willner, P. Robinson , A. Cortes ... M. Brown. Genetic diagnostic profiling in axial spondyloarthritis: a real world study. Clinical & Experimental Rheumatology . 2017 Mar-Apr;35(2):229-233 (IF 2.63)

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Katherine Dutton and Muriel Soden. Malignancy Screening in autoimmune myositis among Australian rheumatologists. Internal Medicine Journal 2017; 47: 1367-1375.
Journal Article	E. Donges, C.E. Staatz, H. Benham, P. Kubler , S.A. Hollingworth. Patterns in use and costs of conventional and biologic disease-modifying anti-rheumatic drugs in Australia. Clin Exp Rheum 2017; 35: 913-918

SEXUAL HEALTH AND HIV SERVICE

The Sexual Health and HIV Service (SHHS) Commencing QPrEPd study in January 2017. This is a Queensland Government research study to roll out a state wide pre exposure prophylaxis program for HIV prevention in Queensland.

PrEP is an evidence based proof of concept in HIV prevention in individuals at risk of HIV exposure through taking daily antiretrovirals (generic) to ensure adequate blood levels of the drugs in the vent of possible exposure to the HIV Virus. Globally there are hundreds of thousands of people on PrEP, if adequate drug levels and no unforeseen circumstances there have been no documented new HIV infections on PrEP. Metro North SHHS is one of many state wide sites for the PrEP roll out program.

This large study has given the education and upskilling opportunities for staff at SHHS to be actively involved with recruitment, consenting process and follow up, and completion of Good Clinical Practice certificates. This research is an ongoing with funding for 4 years and a current recruitment cap of 3000 participants recruited from 20 centres state-wide.

The provision of the public health HIV prevention STUDY which also includes regular STI/HIV testing and follow up, raises the profile of the service and the care provided.

This study is collaboration between Queensland Government, University of Queensland and clinics who provide Sexual Health and HIV care.

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Dr Julian Langton-Lockton	Honorary Clinical Lecturer	Sexual Health and HIV	University of Queensland
Dr Graham Neilsen	Honorary Clinical Lecturer	Sexual Health and HIV	University of Queensland
Dr Fabiola Martin	Honorary Clinical Lecturer and UQ Medical School	Sexual Health and HIV	University of Queensland

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Julian Langton-Lockton Diane Rowling Andrew Redmond	Sara Bell Charles Gilks David Whiley, Jime Lemoire John Piispanen Judith Dean Mandy Seel Melissa Warner Owain Williams Rebecca Guy 'Rivett, Rayden' Rayden.Rivet ; Simon O'Connor Steven Badman	GeneXpert rapid STI testing in NGO setting
David Wiley, Julian Langton-Lockton, Graham Neilsen, Theo Van Leishout	Helen Smith Rikki Graham Cheryn Palmer Fiona.May Ella Trembizki	Use of molecular typing and genomics to enhance surveillance of Neisseria gonorrhoeae and associated antimicrobial resistance in Queensland

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Darren Russell	Diane Rowling, Julian Langton-Lockton, Theo Van Leishout, Graham Neilsen, Fiona Taylor, Ngaire Latch, Rohan Anderson, Adam Spinks, Wade Mcelland	Queensland QPrEP trial

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Dr Katherine Garnham	RACP Chapter of Sexual Health Medicine Trainee presentation	National Sexual Health and HIV Conference Canberra , November 2017

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD>
Letter	Neilsen G, Klug J. Leaving judgement at the door [letter]. Med J Aust 2014; 201 (10): 572-574. doi:10.5694/mja14.01213.
Journal Article	Assefa Y, Lynen L, Kloos H, Hill P, Rasschaert F, Hailemariam D, Neilsen G, Ware R, Van Damme W. Long-term outcomes and their determinants in patients on antiretroviral treatment in Ethiopia, 2005/6-2011/12: a retrospective cohort study. J Acquir Immune Defic Syndr 2015;70:414-9. doi:10.1097/QAI.0000000000000753.
Journal Article	Bell S, Dean J, Gilks C, Boyd MA, Fitzgerald L, Mutch A, Baker P, Neilsen G, Gartner CE. Tobacco Harm Reduction with Vaporised Nicotine (THRiVe): The Study Protocol of an Uncontrolled Feasibility Study of Novel Nicotine Replacement Products among People Living with HIV Who Smoke. Int J Environ Res Public Health 2017;14. Accepted: 5 July 2017.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Katherine Garnham – Collaborative Project Gonorrhoea prevalence in Brisbane

QUEENSLAND STATEWIDE ANTIMICROBIAL STEWARDSHIP PROGRAM

The research highlights for the Queensland Statewide Antimicrobial Stewardship Program were the collaboration of the Hot North Project which is quantifying and assessing appropriateness of antimicrobial prescribing practice in remote Aboriginal primary health care clinics across northern Australia.

The National Antimicrobial Resistance Forum was held in Brisbane, November 2017. The forum was a joint collaboration of the Queensland Statewide Antimicrobial Stewardship Program, Communicable Diseases Branch, Queensland Department of Health, the University of Queensland including the Centre of Research Excellence in Redefining Antimicrobial Use to Reduce Resistance, Queensland University of Technology and the National Centre for Antimicrobial Stewardship. This purpose of the forum was to provide a platform to share knowledge, experience and evidence for implementation of the response to antimicrobial resistance in the Australian context. It consisted of a clinical and scientific program with representatives from the academic, public, private and community sectors representing hospital, community and animal health, translational science and policy. Over two hundred delegates attended with over 70 sites registered to attend via video conference. The registrants included representatives from both national and international healthcare settings and from the following disciplines: medical, veterinary, allied health, scientists, government plus students.

Video conference: 71 sites registered to attend via video conference.

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Dr Yannick E'dmond	Honorary Fellowship in Antimicrobial Stewardship	Queensland Statewide Antimicrobial Stewardship program	Medical Doctor (M.D.) - Laval University: 2005-2010 Internal Medicine (FRCPC)- McGill University: 2010-2013 Infectious Diseases and Medical Microbiology (FRCPC) - McMaster University: 2013-2016

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Prof Jodie McVernon	Dr Kathryn Daveson	Hot North project

2017 RESEARCH AWARDS

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Dr Yannick Edmond, Amy Legg, Dr Andrew Redmond	Department of Infectious Diseases	Recognition and Evaluation of Antibiotic Allergies to Improve patient Care in Hospital (REAACH)	SEED Innovation funding	\$136,467	
Dr Kathryn Daveson	Queensland Statewide Antimicrobial Stewardship Program	Hot North	Menzies	\$36,000	

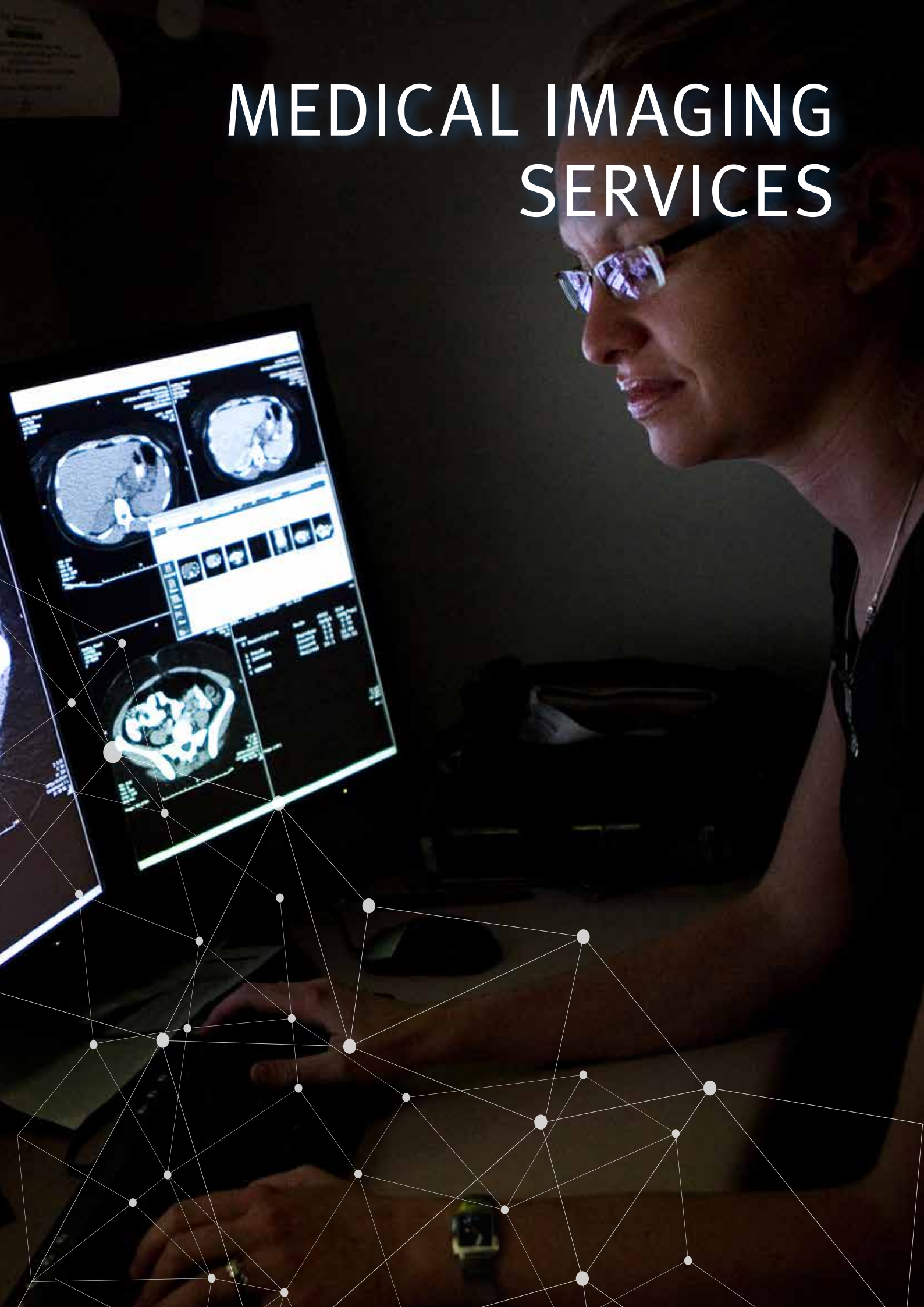
2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Conference proceedings paper	M.L. Avent, E.Waddell, M.Doidge, K.Daveson and K. Hajkowicz 'A Statewide Antimicrobial Stewardship: what are the enablers and barriers for rural health?' 14th National Rural Health Conference 2017
Journal Article	McCarthy KL , Cherian JD, Avent ML, Paterson DL 'Combination antibiotic therapy for Pseudomonas aeruginosa bacteremia in febrile neutropenic patients? The question still remains. Infectious Diseases December (2017):1-4.
Journal Article	Avent ML , Fejzic J, van Driel M 'An underutilised resource for Antimicrobial Stewardship: a 'snapshot' of the community pharmacists' role in delayed or 'wait and see' antibiotic prescribing'. International Journal of Pharmacy Practice. In press

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Yannick Edmond : Tutor at the Antimicrobial Dose Optimisation Workshop November 2017 in Sydney (BestDose antibiotic software).
Oral	M.L. Avent*, E.Waddell, M.Doidge, K.Daveson and K. Hajkowicz 'A Statewide Antimicrobial Stewardship: what are the enablers and barriers for rural health?' presented to the Antimicrobials 2017 scientific meeting on 23rd - 25th February 2017, Adelaide, South Australia
Poster	Daveson KL, Waddell E, Avent ML, Hajkowicz K , Antimicrobial Shortages: "Not Just a Supply Issue": Antimicrobial Stewardship Risk Assessment and Actions to Preserve Supply presented to the Antimicrobials 2017 scientific meeting on 23rd - 25th February, Adelaide, South Australia
Oral	M.L. Avent, E.Waddell, M.Doidge, K.Daveson and K. Hajkowicz 'A Statewide Antimicrobial Stewardship: what are the enablers and barriers for rural health?' presented to the 14th National Rural Health Conference 2017 on 26th – 29th April 2017, Cairns, Queensland
Oral	Waddell E, Avent ML, Daveson K, McNamara S, Hajkowicz K. 'Substantial Reduction in Antimicrobial use by a Remotely-managed Antimicrobial Stewardship Restriction Program in a Queensland Rural Hospital and Health Service'. Royal Brisbane & Women's Hospital 26th Annual Healthcare Symposium, 12th September, 2017

MEDICAL IMAGING SERVICES



MEDICAL IMAGING SERVICES



NOELLE CRIDLAND
Executive Director
Medical Imaging Services

Medical Imaging is multi-faceted incorporating highly specialised work forces: radiology, radiography and nursing.

The Department of Medical Imaging (DMI) provides a full range of diagnostic and interventional imaging services. DMI actively undertakes clinical research in departmental, interdepartmental and multi-site collaborative research projects. Under the directorship of Professor Alan Coulthard, the DMI Research Office supports approximately 20 departmental research projects and 70 service-based research studies for which the department provides imaging services and radiological expertise to projects and clinical trials established by other RBWH departments or external research groups. Partnerships with research institutions such as the Queensland Brain Institute, the Centre for Advanced Imaging, QIMR Berghofer, UQCCR and CSIRO have only strengthened over 2017.

The work flow within Medical Imaging is multi-faceted incorporating highly specialised work forces: radiology, radiography and nursing. The role of the Research Office has extended to support, not only consultants, but residents, radiology registrars, radiographers and nursing staff to achieve their research goals. Our research provides valuable insights into the standards of practice within the department by exploring new diagnostic and interventional avenues. The diverse range of clinical trials currently being conducted within DMI will lead to changes of practice which will directly affect patient treatment and care across all imaging modalities.

Highlights of our research from 2017 include:

Mechanical thrombectomy timing project (stroke audit). Medical Imaging and the Department of Emergency Medicine recently assessed its workflow for identifying stroke patients who were eligible for a clot retrieval procedure. An immediate consequence of this assessment was the development and implementation of the 'Grey Blanket' protocol. The effectiveness of this protocol and its outcomes is the focal point of one of the larger studies to be continued on into 2018.

Medical Imaging and the Medical Oncology Department identified a need to develop the Interventional Oncology Unit. Recently, there has been a substantial increase in the demand for interventional radiologists to be involved in treating cancer patients. Data collected from this service will support a number of new research initiatives currently under development between these two departments.

Medical Imaging has adopted the hospital-wide approach of Choosing Wisely. A number of consultants and registrars have been instrumental in developing projects to assess the effectiveness of various protocols that relate to CT imaging of head traumas, C-spines and pulmonary angiograms. This is a collaborative endeavour with staff from the Department of Emergency Medicine.

DMI has successfully obtained a number of research grants during 2017 to support its research interests. We have increased our research productivity by increasing the scope of research support to include radiographers, nurses and radiology registrars alike. We see the quality of our research and the increase in productivity to continue to improve in future years.

MEDICAL IMAGING

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Mr Patrick Eastgate	PhD, QUT (2015 - 2018)	Patterns in current imaging practice in an emergency department.	Dr Steven McPhail
Dr Nicole Waters	MPhil, UQ (2015 - 2018)	Silent Strokes Study: Prospective study of clinically silent ischaemic events post-elective endovascular treatment of intracranial aneurysms.	Prof. Alan Coulthard
Dr Cara Odenthal	MPhil, UQ (2013 - 2017)	Can serial MRI after first demyelinating event detect early reduction in brain volume in patients who progress to clinically definite MS compared to those who do not? The application of linear and two-dimensional measures of cerebral atrophy in an Australian cohort of individuals presenting with clinically isolated syndrome.	Prof. Alan Coulthard
Ms Katherine Smith	MPhil, QUT (2017 – 2018)	Research project in development	Dr Karen Dobeli

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Prof Alan Coulthard	Professor	Director of Research	UQ School of Medicine
Dr Karin Steinke	Associate Professor	Chest and Breast Oncology	UQ School of Medicine
Dr Peter Scally	Associate Professor	Fluoroscopy, Tier A procedures	UQ School of Medicine
Dr Craig Hacking	Senior Lecturer	Trauma and Emergency Radiology	UQ School of Medicine
Dr Karen Dobeli	Research Fellow	Senior lecture in the Masters in Medical Imaging CT programme	University of Sydney
Ms Clare Berry	Research Associate	Investigating sexual dimorphism in volumetric mapping of the basal nuclei.	QUT

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Dr Cara Odenthal Dr Justin Oughton Prof Coulthard	Dr Simpson, Dr van der Mei, Dr Taylor (Menzies Institute for Medical Research, Tasmania). Prof Rose, Dr Fripp (CSIRO), Dr Lucas (ANU), and the Ausimmune AusLong Investigator Groups.	Midsagittal corpus callosum area and conversion to multiple sclerosis after clinically isolated syndrome: A multicentre Australian cohort study.
Dr Waters Dr Hocking Dr Prior Prof. Coulthard	DMI - departmental project	Bright Spots Study – Prospective study of clinically silent ischaemic events post elective endovascular treatment of intracranial aneurysms.
Dr Hocking Dr Prior Prof. Coulthard	Dr Jeffree (Neurosurgery) Dr Robertson (Anatomical Pathology) Prof Reutens (Centre for Advanced Imaging)	High field magnetic resonance imaging of hippocampal sclerosis
Dr Hocking Dr Jenvey Dr Prior Prof. Coulthard	DMI - departmental project	Enoxaparin for postoperative prophylaxis in intracranial coiling and stents (EPPICS).
Dr Hocking Dr Prior Prof. Coulthard	DMI - departmental project	Silent intracranial lesions in endovascular treatments (SILEnT).
Dr Waters Prof. Coulthard	DMI - departmental project	Verify Now Study – Effect of collection technique on platelet inhibition results.
Dr Jenvey Dr Prior Prof. Coulthard	DMI - departmental project	The effect of Grey Blanket Protocol on clot retrieval times.
Dr Gunasena Dr Prior Assoc. Prof Steinke	DMI - departmental project	CT imaging requests in the Emergency Department (Radiology) – Are we Choosing Wisely?
Dr Jenvey Dr Bains	DMI - departmental project	The role of interventional radiology in splenic trauma.
Dr Nigel Mott	Dr Dwarakanathan Ranganathan (Renal Medicine)	RadCath Study – Randomised controlled trial to determine the appropriate time to initiate peritoneal dialysis after radiological insertion of catheters to minimise complications.

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Prof Rose Dr Reid (Australian e-Health Research Centre, CSIRO)	Prof Coulthard (DMI) Dr Prior (DMI)	CONSULT: A connectivity-based surgical planning tool, incorporating advanced functional neuroimaging.

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Assoc. Prof. Yan (Royal Melbourne Hospital)	Dr Nicole Waters (DMI) Prof. Alan Coulthard (DMI)	Genetic Effects on Antiplatelet Response (GEAR)
Prof. Kwun Fong (TPCH)	Assoc. Prof. Karin Steinke (DMI)	Low Dose Computed Tomography (LCDT) to diagnose lung cancer.
Prof. Pender (Dept of Neurology, RBWH)	Prof. Alan Coulthard (DMI)	Adoptive immunotherapy for multiple sclerosis.
Prof Colditz (UQCCR), Prof. Boyd (QLD Cerebral Palsy Rehabilitation and Research Centre, UQ)	Prof. Alan Coulthard (DMI)	Neurodevelopment of the preterm infant (PREterm Brain Outcomes – PREBO)
Sillagen – Global Trial	Dr Richard Skoien (Dept of Gastroenterology and Hepatology), Dr Sam Davis (DMI) , Dr Nigel Mott (DMI)	A study comparing Pexa-Vec (Vaccinia GM-CSF/Thymidine Kinase-deactivated virus) followed by Sorafenib versus just Sorafenib in patients with advanced hepatocellular carcinoma (HCC)
Dr Jerry Van De Pol, Dr John Kinyanjui. (Dept. of Orthopaedics, RBWH)	Dr Peter Jenvey (DMI) Dr Macy Lu (DMI)	Graft incorporation and ligament healing after ACL reconstruction using two different hamstring tendon fixation techniques.
Dr John Woodford Dr James McCarthy (Dept. of Infectious Disease, RBWH)	Dr Peter Jenvey (DMI) Dr Jennie Roberts (DMI)	Advanced medical imaging in subpatent malaria: can it help us understand where the parasites go and organ-specific host responses?

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Dr Dean McCoombe	Uhr Clarke Bursary	RANZCR Awards 2017

2017 RESEARCH AWARDS

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Prof Coulthard Dr Prior Prof Rose Dr Reid	Department of Medical Imaging, Australian e-Health Research Centre, CSIRO	Post-surgical Diffusion MRI in Epilepsy Patients for CONSULT.	RANZCR	\$5,037.50	\$5,037.50 (2017 – 2018)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Prof Coulthard Dr Prior, Prof Rose, Dr Reid	Department of Medical Imaging, Australian e-Health Research Centre, CSIRO	CONSULT: A connectivity-based surgical planning tool, incorporating advanced functional neuroimaging.	Advanced Queensland Fellowship	\$60,000.00	\$180,000.00 (2017 – 2019)
Prof Coulthard Dr Prior Prof Rose Dr Reid	Department of Medical Imaging, Australian e-Health Research Centre, CSIRO	CONSULT: A connectivity-based surgical planning tool, incorporating advanced functional neuroimaging.	CSIRO	\$60,000.00	\$180,000.00 (2017 – 2019)
Dr Nigel Mott, Dr Dwarakanathan Ranganathan	Department of Medical Imaging, Department of Renal Medicine	RadCath Study	RBWH Foundation	\$35,000.00	\$35,000.00 (2017 – 2018)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Wen X, Marshall H, Leong SC, O'Rourke L, Steinke K , Mirjalili N, Bowman R, Yang IA, Fong K. Is digital tomosynthesis on par with computed tomography for the detection and measurement of pulmonary nodules? J Thorac Imaging. 2017. 32(6):W67-W68.
Journal Article	Alurwaili AR, Pannek K, Coulthard A , Herderson R, Kurniawan ND, McCombe P, A combined tract-based spatial statistics and voxel-based morphometry study of the first MRI scan after diagnosis of amyotrophic lateral sclerosis with subgroup analysis. J Neuroradiol. 2017. Doi : 10.1016/j.neurad.2017.03.007
Journal Article	Boyd RN, Davies PS, Ziviani J, Trast S, Barber L, Ware R, Rose S, Coulthard A , et al. PREDICT-CP: Study protocol of implementation of comprehensive surveillance to predict outcomes for school-aged children with cerebral palsy. BMJ Open. 2017. doi: 10.1136/bmjopen-2016-014950.
Journal Article	George JM, Fiori S, Fripp J, Pannek K, Bursle J , Moldrich RX, Guzzetta A, Coulthard A , Ware RS, Rose SE, Colditz PB, Boyd RN. Validation of an MRI brain injury and growth scoring system in very preterm infants scanned at 29- to 35-week postmenstrual age. AJNR Am J Neuroradiol. 2017. 38(7):1435-1442
Journal Article	Neep MJ, Steffens T, Riley V, Eastgate P , McPhail SM. Development of a valid and reliable test to assess trauma radiograph interpretation performance. Radiography. 2017. 23(2):153-158.
Journal Article	Ferguson CD, Luis CR, Steinke K . Safety and efficacy of microwave ablation for medically inoperable colorectal pulmonary metastases: Single-centre experience. J Med Imaging Radiat Oncol. 2017. 61(2):243-249.
Journal Article	Brown NI, Leschke P, Way M, Smith DD, Cleland P . Pre-oncall key conditions training for first-year radiology registrars. J Med Imaging Radiat Oncol. 2017 Jun;61(3):339-343
Journal Article	Odenthal C , Simpson S Jr, Oughton J , van der Mei I, Rose S, Fripp J, Lucas R, Taylor B, Dear K, Ponsonby AL, Coulthard A ; Ausimmune AusLong Investigator Groups. Midsagittal corpus callosum area and conversion to multiple sclerosis after clinically isolated syndrome: A multicentre Australian cohort study. J Med Imaging Radiat Oncol. 2017. 61(4):453-460
Journal Article	Thaker DA, Douglas E, Blazak J, Xu W, Hughes B, Burge M, Steinke K , Wyld D. An analysis of incidental and symptomatic pulmonary embolism (PE) in medical oncology patients. Asia Pac J Clin Oncol. 2017. 13(3):243-248.

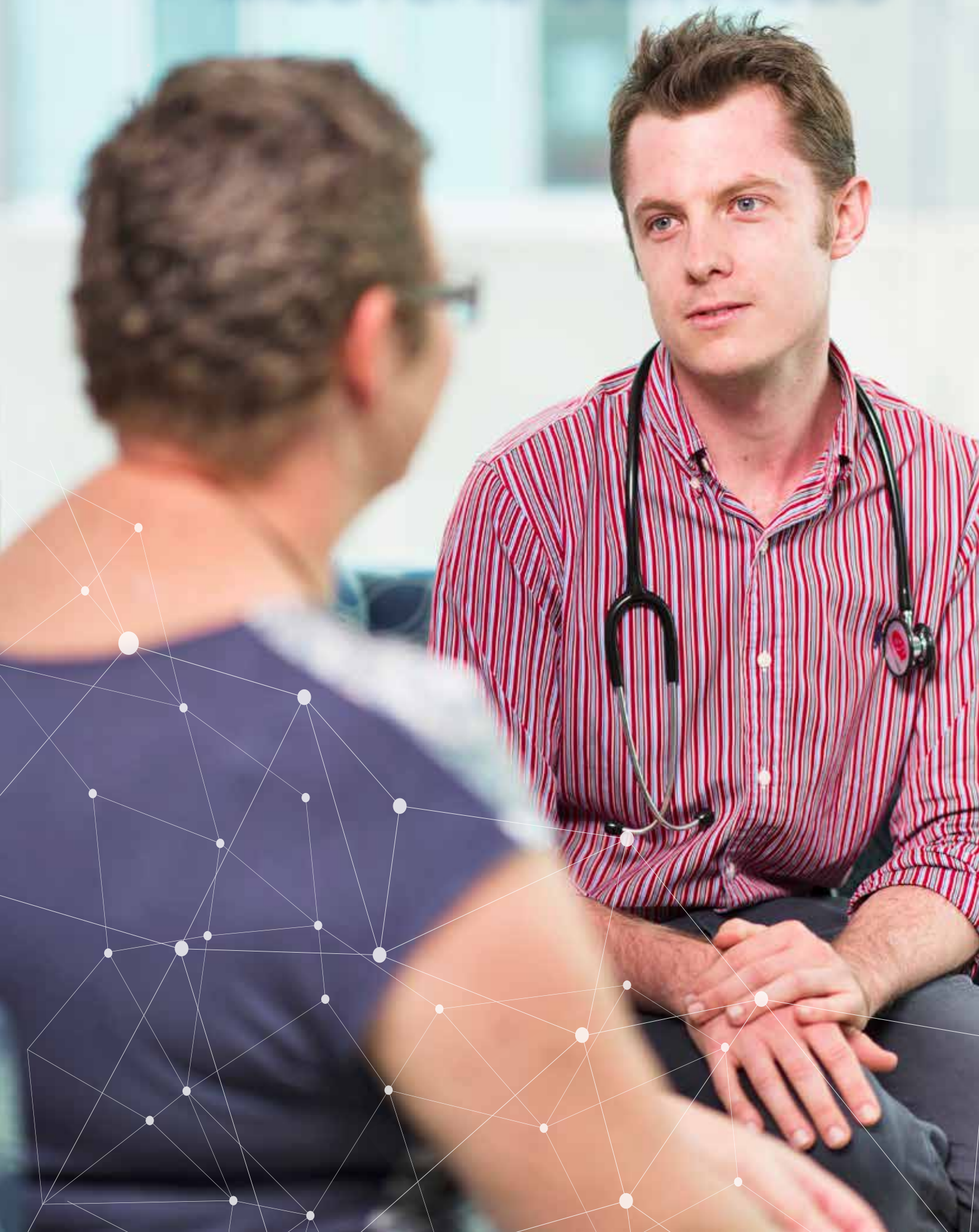
TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Stephens M, Kim DI, Shepherd B, Gustafson S , Thomas P. Intense Uptake in Amyloidosis of the Seminal Vesicles on 68Ga-PSMA PET Mimicking Locally Advanced Prostate Cancer. Clin Nucl Med. 2017. 42(2):147-148.
Journal Article	Lane A, Lee L, Traves D, Lee A . Intracranial translucency assessment at first trimester nuchal translucency ultrasound. J Med Imaging Radiat Oncol. 2017. 61(2):185-189.
Journal Article	Brown N, Leschke P , Way M, Smith D and Cleland P . Pre-oncall key conditions training for first-year radiology registrars. J Med Imaging Radiat Oncol. 2017. Doi:10.1111/1754-9485.12582.
Letter to the Editor	Stoddart S, Handy M, Cleland P , Wall D, Brown A. Traumatic dislocation of the first rib: A case report and review of the literature. Emergency Medicine Australasia. 2017. 29:746-748.
Case Report	Abeysekera A, Lee J, Ghosh S, Hacking C . Migration of eroded laparoscopic adjustable gastric band causing small bowel obstruction and perforation. BMJ Case Report. 2017. doi: 10.1136/bcr-2017-219954.
Journal Article	Bolderston A, Watson J, Woznitza N, Westerink A , Di Prospero L, Currie G, Beardmore C, Hewis J. Twitter journal clubs and continuing professional development: An analysis of a #MedRadJClub tweet chat. International Journal of Diagnostic Imaging and Radiation Therapy. 2017.
Journal Article	Bukhari W, Prian K, Waters P, Woodhall M, O’Gorman C, Clarke L, Coulthard A , et al. Incidence and prevalence of NMOSD in Australia and New Zealand. J Neurol Neurosurg Psychiatry. 2017 88(8): 632-638.
iBook	Scally P . Disease Profiler. 2017. https://geo.itunes.apple.com/au/book/disease-profiler/id1229466633?mt=13
Book Chapter	Sommerville J . Radiological Diagnosis. In Dubey, Siba P., Schick, Bernhard ed. Juvenile Angiofibroma. Springer, 2017.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Smith C . (Radiographer) CT Extremities. Rad Aim 2017.
Oral	Gockel M . (Sonographer) Localisations using Mammography. Breast Interest Group. Queenstown, New Zealand. April 2017
Oral	Gockel M . (Sonographer) The History of Mammography. Australian Society of Breast Disease. Gold Coast. October 2017
Oral	Smith K . (Sonographer) Alcoholic Liver Disease. ASA International Conference. October 2017
Oral	Miller P . (Sonographer) CT versus US in Trauma. ASA International Conference. October 2017
Oral	Napier D . (Sonographer) Role of ultrasound in the diagnosis of penile fractures. ASA International Conference. October 2017
Oral	Burton J . (Sonographer) Conducted a workshop on Ultrasound of the Neck. ASA International Conference. October 2017
Oral	Jenvey P . Revascularization outcome measures for mechanical thrombectomy in acute ischaemic stroke with large vessel occlusion. RANZCR. Perth. October, 2017.
Oral	Jenvey P . Scapholunate interosseous ligament injuries: current concepts in radiological diagnosis. RANZCR. Perth. October, 2017.
Oral	Jenvey P . Primary craniospinal hypotension: a diagnostic headache. RANZCR. Perth. October, 2017.
Oral	Robertson S . Imaging findings after hippocampal resection for temporal lobe epilepsy. RANZCR. Perth. October, 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Thalagala H. Acute ischaemic stroke with large vessel occlusion: establishing baseline timing metrics for a workflow improvement protocol. RANZCR. Perth. October, 2017.
Invited Speaker	Clouston J. Vascular and lymphatic malformations. IRSA. 2017.
Invited Speaker	Sommerville J. Perineural tumour spread. ANZSNR Darwin 2017.
Invited Speaker	Sommerville J. Protocols for head and neck CT. RADAIM 2017.
Invited Speaker	Sommerville J. Imaging of perineural tumour spread RADAIM 2017.
Invited Speaker	Sommerville J. Spaces of the suprahyoid neck RADAIM 2017.
Invited Speaker	Sommerville J. Imaging of the skull base. ANZHNCs ASM 2017.
Invited speaker	Mewis J and Robinson K. Many Departments – One Directorate (The roles of the DON and Ass NUM). MINA National Conference. Melbourne, 2017.
Poster	S Hapugoda, C Hacking , F Gaillard and A Dixon. AAST Liver trauma grading system: a pictorial essay. RANZCR. Perth. October, 2017.
Poster	T Brennen, M Skalski, F Gaillard, A Dixon and C Hacking . Review of CT imaging features in renal trauma correlated to the American Association for the Surgery of Trauma (AAST) organ injury scale. RANZCR. Perth. October, 2017.
Poster	A Jahangiri, A Dixon, F Gaillard, M Skalski and C Hacking . Teardrop cervical spine fractures: a pictorial comparison - Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting - Perth, WA - 19 – 22 Oct 2017.
Poster	A Slater, M Prior and C Hacking . Anatomical distribution of ureteric calculi in CT KUB: a single-centre audit - Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting - Perth, WA - 19 – 22 Oct 2017.
Poster	A Slater, M Prior and C Hacking . Tracing the ureters and VUJ on unenhanced CT KUB: does experience count - Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting - Perth, WA - 19 – 22 Oct 2017.
Poster	J Harvey and C Hacking . Abducens nerve dysfunction: a pictorial essay - Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting - Perth, WA - 19 – 22 Oct 2017.
Poster	J Harvey and C Hacking . Imaging findings in sternal osteomyelitis: a case report and review of the literature - Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting - Perth, WA - 19 – 22 Oct 2017.
Poster	J Harvey and C Hacking . Fool me thrice: a case report of a twice-missed fracture of the lateral process of the talus (snowboarder's fracture) - Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting - Perth, WA - 19 – 22 Oct 2017.
Poster	F Delaney, I Bickle, A Dixon, C Hacking and H Knipe. Hypotension and the abdominal CT - Royal Australian and New Zealand College of Radiologists Annual Scientific Meeting - Perth, WA - 19 – 22 Oct 2017.
Poster	M Fielder, P Jenvey and A Coulthard . Causes, pathology, radiological findings and clinical consequences of superficial siderosis. RANZCR. Perth. October, 2017.
Poster	R Nelles, P Jenvey, W Hogg, J Hocking, N Waters and A Coulthard . Mechanical thrombectomy for acute stroke with large vessel occlusion: a single centre audit. RANZCR. Perth. October, 2017.
Poster	V Tang, P Eastgate, J Clouston . Audit of Contrast-Media Extravasation in a Tertiary Hospital. RANZCR. Perth. October, 2017.
Poster	S Aroney, K Steinke . CTPA imaging for suspected pulmonary emboli: Are we 'Choosing Wisely'? RANZCR New Zealand. 2017
Poster	B Riggall, K Steinke . CT head imaging in suspected mild trauma brain injury: Are we 'Choosing Wisely'? RANZCR New Zealand. 2017
Poster	M Sharpless, K Steinke . CT imaging in suspected traumatic cervical spine injury: Are we 'Choosing Wisely'? RANZCR New Zealand. 2017
Poster	J Woodford, P Thomas, A Gillman, P Jenvey, J Roberts , S Rose, N Dowson, N Anstey and J McCarthy. Advanced medical imaging in subpatent malaria: can it help us understand where the parasites go and organ-specific host responses? ASTMH. Baltimore (USA), 2017.

MEDICAL SERVICES



MEDICAL SERVICES



DR JUDY GRAVES

Executive Director
Medical Services

*Medical Services
provides support
in all aspects
of medical
administration*

Medical Services provides support to all areas of the Royal Brisbane and Women's Hospital in all aspects of medical administration. The Service Line encompasses several departments and a key research governance committee that contribute to invaluable research activities for the organisation.

The Royal Brisbane & Women's Hospital (RBWH) Human Research Ethics Committee (HREC) is one of two HRECs in the Metro North Hospital and Health Service. The RBWH HREC is registered with the National Health and Medical Research Council (NHMRC) (Registration No: EC00172) and is certified by the NHMRC as a lead HREC under the National Approach to Single Ethical Review of Multi-Centre Research. The HREC provides the appropriate regulatory, ethical and scientific standards oversight for research activities at the RBWH, and in 2017 reviewed 261 research proposals (of which 235 were approved), 2 requests for endorsement to become an Authorised Prescriber of an unapproved product, as well as the review of an additional 145 quality improvement and evaluation projects which were reviewed by the Chairperson (and of which 102 were considered to be exempt from HREC review).

The Centre for Palliative Care Research and Education conducts palliative care translational research that improves the links between research and practice and supports palliative care service delivery by providing evidence based information for the workforce. The Centre Director & Clinical Research Program Leader have been awarded funding for collaborative research projects in palliative care from a variety of local and national research funding organisations. These include; NHMRC, Australian Research Council, Cancer Council Queensland, Mater Medical Research Institute, Dept of Health (DOH) and Australian Government.

The role of the Safety and Quality Unit is to lead the patient safety, quality improvement and clinical improvement agendas for the RBWH. This is achieved through an integrated approach in meeting the organisation's clinical governance agenda. The Unit provides expertise and support to the Service Lines through safety partnerships to ensure the delivery of safe, high quality services. Ensuring the engagement of patients, families, carers and all consumers in the design, effective delivery and evaluation of our services is a core role of the Unit, as is the drive for continuous improvement and organisational learning.

Research activity has included pressure injury, patients of concern, end of life care, the cost of hospital acquired complications and patient experience. Additionally, RBWH remains focussed on strengthening consumer engagement across the facility to better inform service design and delivery to improve the patient journey.

CENTRE FOR PALLIATIVE CARE RESEARCH AND EDUCATION



PROF PATSY YATES

Director
Centre for Palliative Care Research
and Education

The Centre for Palliative Care Research and Education – Service Line Medical Services

The primary role of the Centre for Palliative Care Research and Education (CPCRE) is to enhance palliative care services in Queensland through research and education endeavours. To achieve these aims, CPCRE operates as a 'centre without walls', committed to building and fostering partnerships with the palliative care community in its endeavours.

Highlights of 2017:

The Centre Director & Clinical Research Program Leader have continued projects funded by NHMRC, Australian Research Council, Mater Medical Research Institute, Dept of Health (DOH) and Australian Government. Research projects are multi-disciplinary and are across institutions, and results have been published in national & international peer reviewed publications. The CPCRE Director & Clinical Research Program Leader hold appointments on national and international Palliative Care/Oncological & Nursing advisory boards/reference groups.

CPCRE education activities include: The General Practice Palliative Care Education Program; The Program of Experience in the Palliative Approach; The Evidence Based Palliative Care Strategy; The Queensland Palliative Care Research Group & Workforce Development Programs. The Centre disseminates pertinent Palliative Care education and research information to health professionals via: the CPCRE Website, CPCRE Newsletter(quarterly), CPCRE Calendar (biannually), Monthly E-Bulletins, the Annual Research Conference & the Annual Palliative Care Update Symposium (topic rotates 3 yearly between general medicine, oncology and supportive care).

Benefits for clinical practice:

The Centre's work focuses on:

- Developing the capacity of the palliative care workforce to provide quality palliative care
- Improving the links between research and practice in palliative care
- Undertaking research to enhance the quality of palliative care
- Providing information which supports the delivery of palliative care services

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Vanessa Brunelli	PhD, QUT (2013-2017)	Development of a Model of Engagement designed to enhance specialist cancer nurse abilities to support people living with lung cancer in self-management	Patsy Yates, Carol Windsor
Elise Button	PhD, QUT (2014-2018)	Identifying risk of deteriorating and dying in people with haematological malignancy	Patsy Yates, Raymond Chan, Shirley Chambers, Jason Butler

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Alaa Hafiz	PhD, QUT (2013-2017)	Enhancing the competence of paediatric palliative care nurses in Saudi Arabia	Patsy Yates, Joanne Ramsbotham, Liz Forster
James Hughes	PhD, QUT (2014-2019)	Person, environment and health and illness factors influencing time to analgesia and patient experience of pain management	Patsy Yates, Kimberly Alexander
Lawrence Lim	Professional Doctorate, QUT (2012-2020)	Quality of care in palliative care	Patsy Yates, Shirley Chambers
Nguyen Thuy Ly	PhD, QUT (2015-2019)	A Pilot Randomised Controlled Trial of a Psychoeducational Intervention for Symptom Cluster Management Among Cancer Patients Undergoing Treatments in Vietnam	Patsy Yates, Kimberly Alexander
Sarah Northfield	Masters by Research, QUT (2014-2017)	The Palliative Care Referral Decision-Making Process in the Acute Cancer Setting: Nurses' Advocacy Behaviours and the Factors Influencing These Behaviours	Patsy Yates, Raymond Chan, John Rosenberg
Doreen Tapsall	Professional Doctorate, QUT (2011-2019)	Factors Influencing Nurses Engagement In Continuing Professional Development in Cancer Nursing	Patsy Yates, Kimberly Alexander
Alison Bowers	PhD, QUT (2016-2020)	Paediatric life-limiting conditions: prevalence and palliative care needs	Patsy Yates, Raymond Chan
Rae Blades	Masters by Research, QUT (2016-2020)	The prevention and treatment of radiation dermatitis in patients with head and neck cancer using StrataXRT, is more cost effective than standard care during and post Radiotherapy	Patsy Yates, Raymond Chan, Steven McPhail
Dianne Legge	Masters by Research, QUT (2015-2019)	Supportive care needs of people diagnosed with low-grade glioma (LGG) in the 3 years post diagnosis.	Patsy Yates, Danette Langbecker
Robyn Matthews	Masters by Research, QUT (2016-2020)	The preparedness of novice cancer nurses in delivering end-of-life care in the acute oncology hospital setting	Patsy Yates, Raymond Chan, Stuart Ekberg
Catherine O'Leary	PhD, QUT (2016-2021)	Evaluation of public education approaches to achieve a greater uptake of advance care planning (ACP) in Australia.	Patsy Yates, John Rosenberg
Sharon Slack	Masters by Research, QUT (2016-2020)	The educational, informational and supportive care needs of Rural and Remote men with a prostate cancer diagnosis and the effects on psychosocial outcomes: Are survivorship care pathways the answer?	Patsy Yates, Kimberly Alexander
Alisha Wintour	Masters by Research, QUT (2016-2020)	Evaluation of an Information Pamphlet for HPV Positive Oropharyngeal Cancer Patients	Patsy Yates, Kimberly Alexander

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Rani George	PhD, Griffith University (2013-2017)	Individualisation of pain management in cancer patients – methadone	Janet Hardy
Cynthia Akuoko	PhD, QUT (2017-2021)	Achieving health services and supportive care needs of women with advanced breast cancer in Ghana	Patsy Yates, Shirley Chambers
Thi Nguyen	PhD, QUT (2014-2018)	Lifestyle Factors and Health Related Quality of Life in Vietnamese Women after Breast and Gynaecological Cancer: What are the Relationships?	Patsy Yates, Debra Anderson
Christopher O'Donnell	Masters by Research, QUT (2014-2019)	An evaluation of the nurse navigator model within Queensland	Patsy Yates, Aaron Conway
Emma Sayers	PhD, QUT (2017-2025)	Ethical decision-making in end of life care - moving beyond patient autonomy and rational choice. The development of a framework rooted in the complex experiences of consumers, carers and clinicians.	Patsy Yates, Carol Windsor
Porawan Witwaranakool	PhD, QUT (2017-2021)	Implementing evidence based physical activity and exercise guidelines by oncology nurses in Thailand	Patsy Yates, Amanda McGuire

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
John Haberecht	Visiting Fellow	Palliative Care	Queensland University of Technology

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
DEM Avoidance Project Steering Committee	Best Consumer Focused Project	Royal Brisbane and Women's Hospital (RBWH) QuaARRIEs Awards - 20th July 2017
Bonner, A., Chambers, S., Healy, H., Hoy, W.E., Mitchell, G., Kark, A., Ratanjee, S. & Yates, P.	Manuscript Scholarship Award for Poster 'Renal patients' symptoms, experience and quality of life in their last year of life'	The European Dialysis and Transplant Nurses Association/European Renal Care Association (EDTNA/ERCA) Conference, Krakow, Poland, 9th – 12th September 2017

2017 RESEARCH AWARDS

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Yates, P. , Mitchell, G., Currow, D., Eagar, K., Edwards, H., Gardner, G., Willmott, L., Bonner, A., Clark, R., Tieman, J.	Centre for Palliative Care Research and Education	Centre for Research Excellence in End of Life Care	National Health and Medical Research Council	\$489,083	\$2,495,543 (2013 – 2018)
Hoy, W., Healy, H., Connelly, L., Mitchell, G., Panaretto, K., Endre, Z., Coombes, J., Gobe, G., Bonner, A., Fassett, R., White, B., Douglas, C., Nelson, C., Leon, D., Waugh, D., Kulkarni, H., Tan, K.-S., Brown, M., Jose, M., Yates, P.	Centre for Palliative Care Research and Education	Chronic Kidney Disease Centre for Research Excellence	NHMRC CRE in Health Services	\$607,808	\$2,496,981 (2014 – 2019)
Yates, P. , Carter, R.	Centre for Palliative Care Research and Education	TrueNTH Solutions: an integrated multi-component intervention to improve the lives of men with prostate cancer in Australia	The Movember Group – True NTH	\$379,323	\$1,365,755 (2014 – 2018)
Broom, A., Kirby, E., Yates, P. , Seale, C., Oliffe, J.	Centre for Palliative Care Research and Education	The changing landscapes of survivorship: A sociological study of life with cancer	Australian Research Council	\$122,000	\$359,700 (2015 – 2017)
Wyld, D., Burge, M., Chan, R., Turner, J., Yates, P. , Neale, R., Beesley, V., Eastgate, M.	Centre for Palliative Care Research and Education	Towards improved support of patients with pancreatic cancer and their families	RBWH Diamond Cancer Care Research Grant	\$39,236	\$39,236 (2017 – 2018)
Chan, R., Molassiotis, A., Yates, P. , Nasato, G., Brown, T., Button, E., Marshall, A., Isenring, L., Wyld, D., Eastgate, M., Gavin, N.	Centre for Palliative Care Research and Education	A Patient-family-Centered intervention to promote Nutrition In advanced Cancer patients: a pilot randomised controlled trial.	RBWH Diamond Cancer Care Research Grant	\$40,000	\$40,000 (2017 – 2018)
Button, E., Gavin, N., Butler, J., Chan, R., Yates, P.	Centre for Palliative Care Research and Education	The Patient And Carer's well-being, values and preferences, living with life-threatening illness.	RBWH Diamond Cancer Care Research Grant	\$40,000	\$40,000 (2017 – 2018)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Ekberg, S., Yates, P. , Danby, S., Herbert, A., Bradford, N.	Centre for Palliative Care Research and Education	The 'So Many Questions' Project	Gilead Sciences Europe Ltd	\$56,749	\$56,749 (2017 – 2018)
Yates, P. , Alexander, K., Miaskowski, C., Chan, R., McCarthy, A., McPhail, S., Wyld, D., Skerman, H.	Centre for Palliative Care Research and Education	A sequential multiple assignment randomized trial (SMART) of nursing interventions to reduce pain associated with chemotherapy induced peripheral neuropathy	National Health and Medical Research Council (App: 1129532)	\$108,260	\$713,418 (2017 – 2018)
Chan, R., Blades, R., Yates, P. , McPhail, S., Dickie, G., Wyld, D., Sylvander, S., Crowe, S., Button, E., Walsh, C., Keller, J., Jones, L.	Centre for Palliative Care Research and Education	A non-blinded, randomised, controlled, superiority trial of StrataXRT® versus 10% Glycerine (Sorbolene) cream for prophylaxis and management of radiation dermatitis in head and neck cancer patients receiving radical radiotherapy with or without concurrent systemic therapy	Stratpharma	\$56,000	\$112,000 (2016 – 2017)
Khan, S., Haywood, A., Norris, R., Hardy, J. , Good, P., Charles, B., Hennig, S., Duley, J., Martin, J., Tapuni, A., George, R., Movva, R.	Centre for Palliative Care Research and Education	Optimising pain management with methadone in patients with cancer	Griffith Health Institute	\$2,500	\$7,500 (2014 - 2017)
Hardy, J. , Spruyt, O., Good, P., Yates, P. , Oliveira, N., Broom, A., Holt, T., Skerman, H.	Centre for Palliative Care Research and Education	The symptom burden of advanced castrate- resistant prostate cancer – a pilot study	Mater Foundation Grant	\$3,000	\$9,487 (2013 - 2017)
Currow, D., Abernethy, A., Davidson, T., Hardy, J. , Agar, M., Clark, K.	Centre for Palliative Care Research and Education	A randomised, double-blind, multi-site, parallel arm controlled trial to assess relief of refractory breathlessness comparing fixed doses of morphine and placebo	Department of Health and Ageing	\$28,325	\$79,000 (2013 - 2017)
Hardy, J. , Kindl, K., Tapuni, A., Kingi, N., Good, P., Prasad, S.	Centre for Palliative Care Research and Education	The prevalence of QTc prolongation in patients with cancer	Mater Misericordiae Ltd	In kind	In kind (2014 - 2018)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Good, P., Hardy, J. , & Heng, S.	Centre for Palliative Care Research and Education	A feasibility study for the addition of parenteral dexamethasone to concurrent opioid therapy in patients with cancer related pain	Mater Early Career Researcher Seeding Grant	\$4,000	\$12,000 (2014 - 2017)
Hardy, J. , Yates, P. , Miakowski, C., Good, P., Skerman, S.	Centre for Palliative Care Research and Education	Assessing the influence of genetic variation on symptom clusters in men with castrate resistant prostate cancer	Mater Medical Research Institute Seeding Grant	\$5,000	\$20,000 (2015 - 2018)
Hardy, J. , Good, P., Olsen, R.	Centre for Palliative Care Research and Education	Talking about death: A study into palliative care communication	Mater Medical Research Institute Seeding Grant	\$5,000	\$19,320 (2016 – 2018)
Good, P., Sullivan, K., Woodward, N., Hardy, J.	Centre for Palliative Care Research and Education	An open label pilot study of oral water soluble contrast (Gastrografin) in addition to conservative management for the resolution of malignant bowel obstruction in adult patients	Mater Medical Research Institute Seeding Grant	\$5,000	\$20,000 (2015 - 2018)
Hardy, J. , Olsen, R., Good, P.	Centre for Palliative Care Research and Education	A qualitative study of cancer patients' perceptions and attitudes toward use of medicinal cannabinoids in palliative care.	Mater Medical Research Institute Seeding Grant	\$5,000	\$19,496 (2017 – 2018)
Good, P., Hardy, J.	Centre for Palliative Care Research and Education	Assessing physical activity as an outcome of pain management in patients with advanced cancer.	Mater Medical Research Institute Seeding Grant	\$5,000	\$20,000 (2017 – 2018)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Chan, R., Chan, A., Yates, P. & Molassiotis, A. A step forward in addressing cancer survivorship in the Asia-Pacific region. BMC Medicine, (2017), 15(1): 17.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Turner, J., Kelly, B., Clarke, D., Yates, P. , Aranda, S., Jolley, D., Forbes, A., Chambers, S., Hargraves, M. & Mackenzie, L. A tiered multidisciplinary approach to the psychosocial care of adult cancer patients integrated into routine care: the PROMPT study (a cluster-randomised controlled trial). <i>Supportive Care in Cancer</i> , (2017), 25(1), 17-26.
Journal article	Chan, R.J., Yates, P. & McCarthy, A.L. The development and preliminary testing of an instrument for assessing fatigue self-management outcomes in patients with advanced cancer. <i>Cancer Nursing</i> , (2017), 40(1), 48-57.
Journal article	Monterosso, L., Platt, V., Krishnasamy, M., Yates, P. & Bulsara, C. The Cancer Nurse Coordinator Service in Western Australia: perspectives of specialist cancer nurse coordinators. <i>Australian Journal of Advanced Nursing</i> , (2017), 34(2), 16-26.
Journal article	Yates, P. Symptom management and palliative care for patients with cancer. <i>Nursing Clinics of North America</i> , (2017), 52, 179-191.
Journal article	Anderson, D., Seib, C., Tjondronegoro, D., Turner, J., Monterosso, L., McGuire, A., Porter-Steele, J., Song, W., Yates, P., King, N., Young, L., White, K., Lee, K., Hall, S., Krishnasamy, M., Wells, K., Balaam, S. & McCarthy, A. The Women's wellness after cancer program: a multisite, single-blinded, randomized controlled trial protocol. <i>BMC Cancer</i> , (2017), 17:98.
Journal article	Beatty, L., Kemp, E., Binnion, C., Turner, J., Milne, D., Butow, P., Lambert, S., Yates, P. , Yip, D. & Koczwara, B. Uptake and adherence to an online intervention for cancer-related distress: older age is not a barrier to adherence but may be a barrier to uptake. <i>Supportive Care in Cancer</i> , (2017), 25(6), 1905-1914.
Journal article	Gordon, L., DiSipio, T., Battistutta, D., Yates, P. , Bashford, J., Pyke, C., Eakin, E. & Hayes, S. Cost-effectiveness of a pragmatic exercise intervention for women with breast cancer: results from a randomized controlled trial. <i>Psycho-Oncology</i> , (2017), 26(5), 649-655.
Journal article	Adams, M., Gardner, G & Yates, P. Investigating nurse practitioners in the private sector: a theoretically informed research protocol. <i>Journal of Clinical Nursing</i> , (2017), 26(11-12), 1608-1620.
Journal article	Poudel, A., Yates, P. , Rowett, D. & Nissen, L. Use of preventative medication in patients with limited life expectancy: a systematic review. <i>Journal of Pain and Symptom Management</i> , (2017), 53(6), 1097-1110.
Journal article	Button, E., Chan, R., Chambers, S., Butler, J. & Yates, P. A systematic review of prognostic factors at the end of life for people with a haematological malignancy. <i>BMC Cancer</i> , (2017), 17:213.
Journal article	Langbecker, D., Ekberg, S. & Yates, P. Don't need help, don't want help, can't get help: How patients with brain tumors account for not using rehabilitation, psychosocial and community services. <i>Patient Education and Counseling</i> , (2017), 100(9), 1744-1750.
Journal article	Shaw, T., Yates, P. , Moore, B., Ash, K., Nolte, L., Krishnasamy, M., Nicholson, J., Rynderman, M., Avery, J. & Jefford, M. Development and evaluation of an online educational resource about cancer survivorship for cancer nurses: a mixed-methods sequential study. <i>European Journal of Cancer Care</i> , (2017), 26(4), e12576.
Journal article	Lin, C.-H., Chiang, S.-L., Yates, P. , Tzeng, W.-C., Lee, M.-S. & Chiang, L.-C. Influence of socioeconomic status and perceived barriers on physical activity among Taiwanese middle-aged and older women. <i>Journal of Cardiovascular Nursing</i> , (2017), 32(4), 321-330.
Journal article	Marcucci, F.C.I., Cabrera, M.A.S., Rosenberg, J.P. & Yates, P. Trends in place of death in Brazil and analysis of associated factors in elderly populations from 2002 to 2013. <i>Geriatrics, Gerontology and Aging</i> , (2017), 11(1), 10-17.
Journal article/ Letter to the Editor	Button, E., Chan, R., Chambers, S., Butler, J. & Yates, P. Letter to the Editor. Lack of palliative mortality prediction tools for people with a haematological malignancy: call for action. <i>Journal of Palliative Medicine</i> , (2017), 20(8), 802-803.
Journal article/ Letter to the Editor	Vayne-Bossert, P., Hardy, J. , Skerman, H., Yates, P. , Sullivan, K. & Good, P. Letter to the Editor. Symptom clusters in men with castrate-resistant prostate cancer. <i>Journal of Pain and Symptom Management</i> , (2017), 54(3), e1-e3.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Molassiotis, A., Yates, P. , Li, Q., So, W.K.W., Pongthavornkamol, K., Pittayapan, P., Komatsu, H., Thandar, M., Li, M.-S., Titus Chacko, S., Lopez, V., Butcon, J., Wyld, D. & Chan, R.J. Mapping unmet supportive care needs, quality-of-life perceptions and current symptoms in cancer survivors across the Asia-Pacific region: results from the International STEP Study. <i>Annals of Oncology</i> , (2017), 28(10), 2552-2558.
Journal article	Chan, R., Yates, P. , Li, Q., Komatsu, H., Lopez, V., Thandar, M., Chacko, S.T., So, W.K.W., Pongthavornkamol, K., Myungsun, Y., Pittayapan, P., Butcon, J., Wyld, D. & Molassiotis, A. Oncology practitioners' perspectives and practice patterns of post-treatment cancer survivorship care in the Asia-Pacific region: results from the STEP study. <i>BMC Cancer</i> , (2017), 17:715.
Journal article	Agar, M., Lawlor, P., Quinn, S., Drape, B., Caplan, G., Rowett, D., Sanderson, C., Hardy, J. , Le, B., Eckermann, S., McCaffre, N., Devilee, L., Fazekas, B., Hill, M., & Currow, D. Oral risperidone, haloperidol or placebo for delirium symptoms in palliative care: a multi-site, double-blind, parallel arm, dose-titrated randomized controlled trial. <i>JAMA Int Med.</i> , (2017), 177 (1): 34-42 Doi:10.1001/jamaintmed.2016.7491. Published online December 5. 2016. PMID: 27918778.
Journal article	Pinkerton, E., Good, P., Gibbons, K., Hardy, J. An open label pilot study of oral Vitamin C as an opioid sparing agent in patients with chronic pain secondary to cancer. <i>Supportive Care in Cancer</i> , (2017), 25 : 341-343. DOI 10.1007/s00520-016-3472-z. PMID: 27815713.
Journal article	Vayne-Bossert, P., Richard, E., Good, P., Sullivan, K., Hardy, J. Integration of Oncology and Palliative Care: Setting A Benchmark. <i>Supportive Care in Cancer</i> , (2017), 25(10), 3253-3259 doi:10.1007/s00520-017-3736-2 [Epub ahead of print].
Journal article	Pinkerton, R., Hardy, J. Opioid addiction and misuse in adult and adolescent patients with cancer. <i>Intern Med J.</i> , (2017), Jun;47(6):632-636. doi: 10.1111/imj.13449.
Journal article	Mulvey, M., Boland, E., Bouhassira, D., Freynhagen, R., Hardy, J. , Hjermstad, M., Mercadante, S., Pérez, C. & Bennett, M. Neuropathic pain in patients with cancer: performance of screening tools and analysis of symptom profiles. <i>Brit J Anaesthesia</i> , (2017), (in print).
Journal article	Vayne-Bossert, P., Haywood, A., Good, P., Khan, S., Rickett, K., Jenkins-Marsh, S., Hardy, J. Corticosteroids for adult patients with advanced cancer who have nausea and vomiting (not related to chemo- or radiotherapy, or surgery). <i>The Cochrane Library</i> , (2017), doi: 10.1002/14651858.CD012002. http://onlinelibrary.wiley.com/doi/10.1002/14651858.CD012002/abstract
Journal article	Haywood, A., Duc, J., Good, P., Khan, S., Rickett, K., Vayne-Bossert, P., Hardy, J. Systemic corticosteroids for the management of cancer-related breathlessness (dyspnoea) in adults. <i>Cochrane Database of Systematic Reviews</i> , (2017), doi: 10.1002/14651858.CD012704. US: http://onlinelibrary.wiley.com/doi/10.1002/14651858.CD012704/abstract
Journal article	Heng, S., Good, P., Hardy, J. A retrospective audit on usage of Diatrizoate Meglumine (Gastrografin®) for intestinal obstruction or constipation in patients with advanced neoplasms. <i>Palliative Medicine</i> , (2017), [Epub prior to publication] https://doi.org/10.1177/02692163177264 .
Journal article	George, R., Haywood, A., Good, P., Hennig, S., Khan, S., Norris, R., Hardy, J. Can saliva and plasma methadone concentrations be used for enantioselective pharmacokinetic and pharmacodynamic studies in patients with advanced cancer? <i>Clinical Therapeutics</i> , (2017), 39(9):1840-1848 doi: 10.1016/j.clinthera.2017.07.044.
Journal article/ Research Letter	Ashar, A., Fischer, A., Hardy, J. , Good, P. Corticosteroids as co-analgesics with opioids for cancer related pain: A feasibility study, <i>Journal of Pain and Symptom Management</i> , (2017), 54(6), doi:10.1016/j.jpainsymman.2017.09.009. Research letter.
Journal article	Good, P., Pinkerton, R., Bowler, S., Craig, J., Hardy, J. Impact of opioid therapy on sleep and respiratory patterns in adults with advanced cancer receiving palliative care. <i>Journal of Pain and Symptom Management</i> , (2017), Dec 2. pii: S0885-3924(17)30691-7. doi: 10.1016/j.jpainsymman.2017.11.026. [Epub ahead of print] PMID:29208477.
Book Chapter	Yates, P. (2017) Communication in the context of cancer as a chronic disease. In Kissane, D.W., Bultz, B.D., Butow, P.N., Bylund, C.L. & Noble S. (Eds.) <i>Oxford Textbook of Communication in Oncology and Palliative Care</i> (2nd Ed.). Oxford University Press, U.K., pp. 175-180.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Hardy, J. Methadone – what is special about this opioid? Indian Association of Palliative Care (IAPCON), Annual Conference, Coimbatore, India, 10th – 12th February 2017.
Oral	Yates, P. Recent advances in oncology – implications for nurses. International Forum in Oncology Nursing, 2nd National Academic Conference in Oncology Nursing of Chinese Anti-Cancer Association, Fu Zhou City, Fujian Province, China, 11th March 2017.
Oral	Hardy, J. Opioid addiction in palliative care – is this a problem? CPCRE Update in Supportive Care Symposium, RBWH, Brisbane, Australia, 24th March 2017.
Oral	Yates, P. Cancer survivorship: nursing contribution to improving patient outcomes. 12th International Gastric Cancer Congress, Beijing, China, 22nd April 2017.
Oral	Hardy, J. Pain: are we measuring the wrong thing? CPCRE 16th Annual Palliative Care Research Conference, RBWH, Brisbane, Australia 19th May 2017.
Oral	Yates, P. The Nursing Role in Advocating for Early Intervention in Palliative Care. CNSA 20th Annual Congress, Adelaide, Australia, 15th - 17th June 2017.
Oral	Yates, P. (Panel Member) 50 Years in Cancer Nursing Research: How does our experience inform future scholarship? CNSA 20th Annual Congress, Adelaide, Australia, 15th – 17th June 2017.
Oral	Bonner, A., Chambers, S., Healy, H., Mitchell, G. & Yates, P. Reflecting on researching vulnerable patients with end stage kidney disease: Lessons learnt to inform future research endeavours. Renal Society of Australia Annual Conference, Sydney, Australia, 19th - 21st June 2017.
Oral	Bonner, A., Chambers, S., Healy, H., Hoy, W.E., Mitchell, G., Kark, A., Ratanjee, S. & Yates, P. Tracking symptom experience and physical functioning in the last 12 months of life in advanced chronic kidney disease. Renal Society of Australia Annual Conference, Sydney, Australia, 19th - 21st June 2017.
Oral	Yates, P. Service delivery framework update. 14th Australian Palliative Care Conference, Adelaide, Australia, 5th – 8th September 2017.
Oral	Yates, P. New frontiers in palliative care. VCCC Research Conference, Melbourne, Australia, 19th September 2017.
Oral	Yates, P. (on behalf of Stella Bialous, UCSF) Implementation of smoking cessation strategies. IASLC 18th World Conference on Lung Cancer, Yokohama, Japan, 16th October 2017.
Oral	Yates, P. Oncology Nursing “Advanced Care Planning: the Pros and Cons”. IASLC 18th World Conference on Lung Cancer, Yokohama, Japan, 17th October 2017.
Oral	Yates, P. Building nursing’s capacity for leadership. The Hong Kong Polytechnic University Conference on Global Nursing Leadership, Hong Kong, Hong Kong, 19th October 2017.
Oral	Yates, P. Advanced practice nursing: an update on the evidence about roles and impacts on health care. 67th Annual AQNL Nursing & Midwifery Leaders Conference, Brisbane, Australia, 3rd November 2017.
Oral	Hardy, J. Cancer pain and opioid addiction. Cancer Pain Symposium ‘Cancer Pain across the Spectrum’. Kolling Institute of Medical Research, Royal North Shore Hospital, Sydney, Australia, 11th November 2017.
Oral	Yates, P. Changing nursing roles / building capacity in nursing. Emirates Oncology Conference, Abu Dhabi, United Arab Emirates, 16th November 2017.
Oral	Yates, P. Early integration of palliative care services into oncology (nursing perspectives). Emirates Oncology Conference, Abu Dhabi, United Arab Emirates, 16th November 2017.
Oral	Hardy, J. Nausea and vomiting not caused by chemotherapy: Latest studies on aetiology based treatment. ESMO Conference Asia, Singapore, Singapore, 17th – 19th November 2017.
Oral	Yates, P. Survivorship interventions for men with prostate cancer: outcomes from the TrueNTH Pilot Study. Brisbane Cancer Conference, Brisbane, Australia, 24th November 2017.
Poster	Yates, P. Centre of Research Excellence in End of Life Care: Progress to date and implications for geriatric medicine. UQ Centre for Research in Geriatric Medicine Seminar Series, Translational Research Institute, Brisbane, Australia, 7th March 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Herbert, A., Danby, S., Bradford, N., Yates, P. & Ekberg, S. Affording opportunities to discuss deterioration in paediatric palliative care consultations: a conversation analytic study. ASPHO's 30th Annual Meeting, Montreal, Quebec, Canada, 26th – 29th April 2017.
Poster	Yates, P. , Liu, W.H. & Cockerell, R. Implementing a specialist prostate cancer nursing service: a multimethod investigation of factors influencing program outcomes. ONS 42nd Annual Congress, Denver, Colorado, USA, 4th – 7th May 2017.
Poster	Chambers, S. & Yates, P. Terminal kidney disease: health administrative data informing appropriate palliative models. 14th Australian Palliative Care Conference, Adelaide, Australia, 5th – 8th September 2017.
Poster	Bonner, A., Chambers, S., Healy, H., Hoy, W.E., Mitchell, G., Kark, A., Ratanjee, S. & Yates, P. (awarded Manuscript Scholarship Award) Renal patients' symptoms, experience and quality of life in their last year of life. EDTNA/ERCA 2017, Krakow, Poland, 9th – 12th September 2017.
Poster	Hardy, J. , Skerman, H., Franzen, K., Foster, K. & Yates, P. A randomised, controlled, double blind study of oral methotrimoprazine versus oral haloperidol in patients with cancer and nausea not related to anticancer therapy. ESMO Asia 2017 Congress, Singapore, Singapore, 17th – 19th November 2017.

OTHER COMMUNICATIONS AND OUTPUTS:

Workshops:

Yates, P. Advanced Care Directives, incorporating into scope of practice: moral obligations and legal implications for advanced practice nurses. Advanced Practice Palliative Care Pre-Congress Symposium, CNSA 20th Annual Congress, Adelaide, Australia, 15th June 2017. (oral)

Hardy, J. Pain in palliative care. Workshop presentation via teleconference for Kingaroy Hospital staff, 30th August, 2017. (oral)

Yates, P. Accessing GP education resources. Where to Research Palliative Care Workshop, Melbourne, Australia, 26th September 2017. (oral)

Hardy, J. Methadone – what we have learnt from our PK studies. Palliative Medicine Workshop Brisbane Cancer Conference, Brisbane, Australia, 23rd – 24th November 2017. (oral)

OTHER PRESENTATIONS:

Yates, P. Clinical Research Methodologies. MNHHS Research Education Program, Introduction to Clinical Research Principles for 2017, RBWH, Herston, Australia, 7th February 2017. (oral)

Yates, P. What does the evidence say about the future for end of life care in Australia? An update on the NHMRC Centre of Research Excellence in End of Life Care. Department of Health Population Health and Sports Division Seminar Series, Canberra, Australia, 15th February 2017. (oral)

Yates, P. Centre of Research Excellence in End of Life Care: Progress to date and implications for geriatric medicine. UQ Centre for Research in Geriatric Medicine Seminar Series, Translational Research Institute, Brisbane, Australia, 7th March 2017. (oral)

Hardy, J. Opioid addiction in palliative care – is this a problem? Mater Health Services Grand Rounds, Mater Health Services, South Brisbane, Australia, 27th March 2017. (oral)

Hardy, J. End of life management in brain tumors. QROTN: Qld Radiation Oncology Training Network, Radiation Oncology Mater Centre, Mater Health Services, South Brisbane, Australia, 28th April 2017. (oral)

Hardy, J. Opioid addiction in palliative care – is this a problem? Mater Multidisciplinary Education Session, Mater Health Services, South Brisbane, Australia, 25th May 2017. (oral)

Yates, P. Palliative and Hospice Care. The Health Education and Cancer Patient Management Summit Forum 2017, Changsha, China, 3rd July 2017. (oral)

Yates, P. Evaluations with the prostate cancer nurses. ANZUP – PCFA Prostate Cancer Specialist Nursing Service Annual Meeting, Melbourne, Australia, 15th July 2017. (oral)

Howard, C. & **Yates, P.** Supporting mentors in connecting clinical practice: the PEPA experience. 14th Australian Palliative Care Conference, Adelaide, 5th – 8th September 2017. (oral)

Yates, P. Future direction for nurses' education. RBWH Symposium, RBWH Education Centre, Herston, Australia, 14th September 2017. (oral)

Hardy, J. Updates in cancer pain management. GP education evening, St Vincent's Private Hospital Brisbane, Brisbane, Australia, 4th October 2017. (oral)

Mulvey, M., Boland, E., Bouhassira, D., Freynhagen, R., **Hardy, J.**, Hjermstad, M., Mercadante, S., Pérez, C. & Bennett, M. Neuropathic pain in patients with cancer: performance of screening tools and analysis of symptom profiles. EAPC Research Network Conference, Oslo, Norway, 5th – 7th October 2017. (oral)

Yates, P. Building nursing's capacity for leadership. Emirates Nursing & Midwifery Leadership Society Launch Symposium, Dubai, United Arab Emirates, 19th November 2017. (oral)

Yates, P. What are the areas for advancing palliative care nurses? Palliative Care/End of Life Care Symposium, Al Ain, United Arab Emirates, 20th November 2017. (oral)

PUBLISHED EXTRACTS:

Alexander, K., Miaskowski, C., **Yates, P.** & Cooper, B. Demographic, clinical, and genetic predictors of quality of life of women undergoing surgery for breast cancer. *Supportive Care in Cancer*, (2017), 25 (Suppl 2), S49.

Hardy, J., Skerman, H., Franzen, K., Foster, K. & Yates, P. A randomised, controlled, double blind study of oral methotrimeprazine versus oral haloperidol in patients with cancer and nausea not related to anticancer therapy. *Annals of Oncology*, (2017), 28 (Suppl. 10), mdx676.004.

Chan, R., **Yates, P.**, Li, Q., Komatsu, H., Lopez, V., Thandar, M., Chacko, S.T., So, W., Pongthavomkamol, K., Yi, M., Pittayapan, P., Butcon, J., Wyld, D. & Molassiotis, A. Oncology practitioners' perspectives of survivorship care provision in the Asia-Pacific region. *Cancer Nursing*, (2017), 40 (6S), E34.

Molassiotis, A., **Yates, P.**, Li, Q., So, W., Pongthavomkamol, K., Pittayapan, P., Komatsu, H., Thandar, M., Yi, M., Chacko, S.T., Butcon, J., Wyld, D. & Chan, R. Unmet care needs of cancer survivors in 9 Asia-Pacific countries: results from the Step Study. *Cancer Nursing*, (2017), 40 (6S), E6.

NON-REFEREED PUBLICATIONS:

Yates, P., Liu, W.-H. & Dixon, C. Editorial. Taking action to improve outcomes for men living with and beyond prostate cancer. *Australian Nursing & Midwifery Journal*, (Dec 2016 – Jan 2017), 24(6), 35.

RBWH SAFETY AND QUALITY



THERESE LEE

Acting Director
Safety and Quality Unit

Satyan Chari named as industry collaborator in a funded ARC Discovery Project (2018) titled “NextGen Accident Prevention: a new theory and toolkit for safer systems”.

New research links (commenced/soon to commence projects) established with the USC Centre for Human Factors in Sociotechnical Systems, UQ Applied Cognitive Psychology Lab, Lakehead University School of Social Psychology (Thunder Bay Ontario).

Mary Fenn (SQU) has led the development of a collaborative quality research project (24/7) which seeks to improve patient safety at RBWH after-hours by introducing After-Hours medical and nursing clinical leadership for the existing junior clinical team between 1600-0800 weekdays and all hours on weekends.

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Satyan Chari	Prof Mark Horswill (UQ), Dr Andrew Hill (UQ), Therese Lee	Evaluation of Systems Thinking Training for Healthcare Professionals
Satyan Chari	Professor Paul Salmon (USC), Dr Natassia Goode (USC), Lynne Ruiz, Chrissy Battersby	Exploring novel systems-based event analysis methods to investigate healthcare adverse events.

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Prof Paul Salmon (USC), Prof Guy Walker (Herriott-Watt University), Prof Neville Stanton (University of Southampton)	Satyan Chari (named industry partner not CI)	NextGen Accident Prevention: a new theory and toolkit for safer systems (ARC Discovery)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Chari, S. R. , Varghese, P., Bell, R. A. , Smith, K., & Haines, T. P. (2017). Understanding and managing the risk of “head impact” from in-hospital falls: A cross-sectional analysis of data from 166 public hospitals. <i>Journal of healthcare risk management</i> , 37(1), 40-47.
Journal article	Westacott, L. , Graves, J. , Khatun., M, Burke, K., Use of medical emergency call data as a marker of quality of emergency department care in the post-National Emergency Access Target era. <i>Australian Health Review</i>

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Chari SR , Haines TP, Varghese P, Smith S, Black A, Mudge A , Devitt M . (2017) A pilot feasibility trial of modified night lighting to reduce falls in inpatient environments. Tri-nation Falls Forum. Brisbane Australia

METRO NORTH MENTAL HEALTH



MENTAL HEALTH



ASSOC. PROF. BRETT EMMERSON AM
Executive Director
Metro North Mental Health Service

We strengthened partnerships with community agencies, implementing and evaluating innovative programs to improve care pathways

Metro North Mental Health (MNMH) recognises the full integration of research and practice as critical to optimising the efficiency and effectiveness of services, and achieving our mission of improving the mental health of consumers and the community. Strong leadership from the Executive and investment in human and technological resources over the past decade has supported establishment of a culture of critical enquiry in which research capabilities and motivation are fostered and opportunities are created for staff to engage as a consumers, participants or producers of research. MNMH supports conjoint clinical academic appointments with various universities, actively encourages and supports clinicians to undertake post-graduate study and collaborates effectively with a range of stakeholders, locally, nationally and internationally. During 2017 we strengthened partnerships with community agencies, implementing and evaluating innovative programs to improve care pathways.

Staff across disciplines and service lines are working collaboratively to design and conduct research and support translation of evidence to practice. The combined efforts and substantial expertise of researchers in dedicated and clinical positions have supported continuous increases in research and related activities within the service and engagement in collaborative research activities. Productivity is reflected in the publications and other dissemination activities included in this report. Demonstrating increased engagement of staff in evaluation and dissemination of their work, many of these presentations are by clinicians and managers. Importantly, studies conducted locally are immediately informing service and practice and service development. The multiple robust collaborations, with universities, non-government agencies and consumers established by team members will ensure research within MNMH continues to flourish.

Research conducted within MNMH and by MNMH researchers spans multiple spectrums –ranging from basic discovery science through interventional clinical studies, to health services and policy research. Diverse methodologies are used to develop the evidence needed to improve mental health across the lifespan. Some studies are funded by prestigious grants – many are conducted by dedicated clinicians who go the extra mile to integrate research in practice, with in-kind support of the service. Recognising that excellence in mental health care is dependent on the combined activities of a healthy, diverse workforce; we have been especially pleased this year to invest in research examining the work-lives and wellbeing of our operational and administrative staff. Such diversity is not easily categorised but research falls broadly under six themes as described below.

METRO NORTH MENTAL HEALTH

Queensland Eating Disorder Service

The Queensland Eating Disorder Service (QuEDS) is a specialist state wide service that provides consultation, training and treatment for people affected by eating disorders throughout Queensland. QuEDS is staffed by a multidisciplinary team including psychiatrists, psychiatric registrars, psychologists, mental health nurses, social workers, dietitians and occupational therapists. The service strives for a culture of quality assurance in treatment delivery, innovation in service development, and collaboration in clinical research. QuEDS has a range of partnerships and cooperative relationships with other government and non-government organisations to deliver training, consultation, treatment and research around eating disorders and related issues. QuEDS also includes the expertise of those with lived experience of eating disorders in the planning, development, delivery and evaluation of services. Currently QuEDS is collaborating with the Queensland Brain Institute and Asia-Pacific Centre for Neuromodulation to conduct study into deep brain stimulation for treatment-resistant Anorexia Nervosa; the University of Sydney to participate in NHMRC-funded trial of intranasal oxytocin for Anorexia Nervosa; the University of Queensland to evaluate a three-month intensive outpatient treatment program for transdiagnostic eating disorders and to develop family inclusive practice with carers affected by eating disorders. This is a major new area of service activity and will work carefully to safely and effectively support adult patients and their natural care systems, their families. QuEDS also has a long standing partnership with the Queensland Institute of Medical Research to support a worldwide genetics initiative in Anorexia Nervosa; the Butterfly Foundation and Primary Health Networks to promote early identification and effective early intervention in disordered eating problems; general medical services to support the inpatient care of people with eating disorders requiring hospitalisation for medical stability; and multiple Hospital and Health Services in Queensland to further service development throughout the state. Much of these achievement have been realised under the guidance of the QuEDS/EDOS founding team leader, Elaine Painter. With her retirement this year, the QuEDS research portfolio will be passed on to the new Service Development Team Manager to drive the agenda forward. This year also saw QuEDS Director, Dr Warren Ward receive the Australia and New Zealand Academy for Eating Disorders Award for Distinguished Achievement in the Field of Eating Disorders. The Academy acknowledged Dr Ward's major contribution to service development and clinical treatment of patients with eating disorders as well as his role in research and recognised the contribution he has made to the Academy and to the field of eating disorders. The QuEDS leadership and team now look forward to many further research developments and clinical collaborations throughout 2018 and beyond.

Systems Neuroscience/ Program of Mental Health Disorders, QIMR Berghofer

Led by Professor Michael Breakspear, Consultant Psychiatrist at the RBWH, the The Program of Mental Health Disorders (PMHD) at the QIMR Berghofer Medical Research Institute works closely with, and is co-funded by Metro North Mental Health Service. Researchers within PMHD come from 7 research teams that work across the breadth of biomedical research – genetics, epidemiology, neuroscience, molecular biology and computational biology – to understand the causes, mechanisms and nature of the serious mental health illnesses across the life time. Selected highlights from 2018 are outlined below:

1. Molecular mechanisms underlying human epilepsy.

Despite their abundance, the molecular functions of long non-coding RNAs in mammalian nervous systems remain poorly understood. This study shows that the long non-coding RNA, NEAT1, directly modulates neuronal excitability and is associated with pathological seizure states. These results indicate a role for NEAT1 in modulating human neuronal activity and suggest a novel mechanistic link between an activity-dependent long non-coding RNA and epilepsy. Reference: Barry G, et al. (2017) The long non-coding RNA NEAT1 modulates neuronal excitability. *Scientific Reports* 7:40127

2. The independent influences of age and education on functional brain networks and cognition in healthy older adults.

Healthy aging is accompanied by a constellation of changes in cognitive processes and alterations in functional brain networks. The relationship between brain networks and cognition during aging in later life are moderated by demographic and environmental factors, such as prior education, in a poorly understood manner. Our findings suggest that circuits supporting simple cognitive processes are most sensitive to the influence of age in healthy older adults. Education, and to a lesser extent, executive functions, load independently onto functional networks - suggesting that the moderating effect of education acts upon networks distinct from those vulnerable with ageing. Reference: Perry, A., ..., Breakspear, M. (2017). The independent influences of age and education on functional brain networks and cognition in healthy older adults. *Human brain mapping*, 38: 5094-5114.

3. Statistical limits to inferring genetics of common disorders in multi-ethnic populations.

Population divergence impacts the degree of population stratification in Genome Wide Association Studies. We aimed to: (i) investigate type-I error rate as a function of population divergence (FST) in multi-ethnic (admixed) populations; (ii) evaluate the statistical power and effect size estimates; and (iii) investigate the impact of population stratification on the results of gene-based analyses. We showed that type-I and type-II error rate were adequately controlled in a population that included two distinct ethnic populations but not in admixed samples. Reference: Derks EM, et al (2017) The Relation Between Inflation in Type-I and Type-II Error Rate and Population Divergence in Genome-Wide Association Analysis of Multi-Ethnic Populations. *Behav Genet.* 47:360-8.

4. Molecular mechanisms of protection against cerebral ischemia through modulation of the inflammatory milieu

The neuroprotective copper bis(thiosemicarbazone) complex, Cull(atm) is currently in clinical trials for motor neuron and Parkinson's diseases. We therefore assessed whether Cull(atm) is also beneficial in acute brain injury, in preclinical mouse models of ischemic stroke. Cull(atm) was protective in permanent and transient ischemia models in mice as measured by functional outcome and lesion size. The complex modulated the inflammatory response, leading to protection of endogenous microglia against ischemic insult and a reduction in the proportion of invading monocytes. These results demonstrate that Cull(atm) is an inflammation-modulating compound with high therapeutic potential in stroke and acute brain injury. Reference: Huuskonen, M. T, et al (2017) The copper bis(thiosemicarbazone) complex Cull(atm) is protective against cerebral ischemia through modulation of the inflammatory milieu. *Neurotherapeutics* 14, 519-532.

5. A direct test of the diathesis-stress model for depression

The diathesis-stress model for depression is the dominant theory for the explanation of the origins of the disease since the 1980s. This model states that stress may activate a diathesis or vulnerability, transforming the potential of predisposition into an actuality of psychopathology. Novel techniques in genetic analyses (polygenic risk scores) provide a quantitative measure of the cumulative genetic risk or vulnerability for a trait. This provides an opportunity to empirically investigate aetiology and nosology in mental health. Using a large Australian sample, this study showed for the first time a significant interaction of the PRS for depression (diathesis) with stressful personal life events contributing positively to the risk of depression. This synergism yields an effect beyond the combined separate effects of these factors on risk of depressive symptomatology. Reference: L. Colodro-Conde*, ..., Medland, N.G. Martin, (2017). A direct test of the diathesis-stress model for depression, *Mol Psychiatry* doi: 10.1038/mp.2017.130.

6. Validating measures of brain activity during film viewing in health and mental illness.

Functional connectivity analysis has become a powerful tool for probing the human brain function and its breakdown in neuropsychiatry disorders. However, the test-retest reliability of resting-state connectivity measures is moderate, hindering its potential for clinical applications. This study showed that naturalistic neuroimaging paradigms based on passive movie viewing significantly increases the test-retest reliability of functional connectivity measures over resting-state conditions, with an average of almost 50%. Our results support the use of natural viewing paradigms in estimating functional connectivity of brain networks, and have important implications for clinical application of fMRI. Reference: Wang, J., Guo, C. C. (2017), Test-retest reliability of functional connectivity networks during naturalistic fMRI paradigms. *Hum. Brain Mapp.*, 38: 2226–2241.

MNMH Nursing

The introduction of the Safewards program was a Knowledge Translation research project that became a positive group activity for mental health nursing and consumers at RBWH. Safewards is an evidence based nursing model underpinned by the theoretical approach to Therapeutic Alliance. Outcomes from local research has shown a significant increase in Therapeutic Optimism ($p < 0.001$) which is a key feature of Recovery based nursing care. Safewards was designed in the UK to provide a means to positively engage with consumers of mental health services. Its implementation has since been endorsed by the Mental Health Nursing Leadership Team and put into routine practice in each of the in-patient units at RBWH.

Early Psychosis and Youth Mental Health

Research under the early psychosis and youth mental health theme ranges from cutting edge studies of the causes of psychosis, through clinical trials to large scale investigations of population health. Led by A/Prof James Scott a growing team of clinicians, students and collaborators combine their efforts and complementary expertise to improve the physical, emotional and physical health outcomes of young people affected by mental illness and promote mental health. Studies are concerned with early identification, accurate diagnosis and effective treatment of mental illness and promotion of mental health generally and for groups identified as 'at risk'. The team is a member of a national consortium compiling comprehensive coherent data about young people presenting with first episode psychosis.

Older Persons Mental Health service (OPMHS)

Led by Professor Gerard Byrne, The OPMHS has strong links with the University of Queensland Academic Discipline of Psychiatry and is actively engaged in teaching students of several disciplines (medical, nursing, psychology, occupational therapy, social work). OPMHS personnel are involved in clinical and health services research relevant to mental disorders affecting older people. The program of work encompasses psychotic and mood disorders, particularly anxiety and depression and depression. Work spearheaded by Professor Byrne, including development of an instrument for assessing anxiety in older people is used internationally. OPMHS researchers collaborate widely, with researchers from world leading universities and academics and clinicians from various disciplines within and beyond the RBWH, as well as with several laboratory-based neuroscientists.

As reflected in publications 2017 was a productive and rewarding year for OPMHS researchers, with team members leading the way in development and testing of measures and treatments for anxiety and depression among people diagnosed with Parkinson's.

Queensland Forensic Mental Health Service

Queensland Health is the major provider of mental health services to people with a mental illness who are involved with, or at risk of entering, the criminal justice system. The Queensland Forensic Mental Health Service (QFMHS) is managed across the State from major groupings based in Brisbane (Metro North and West Moreton) and smaller hubs along the Queensland coast. The integrated services consist of Secure Inpatient Services, Prison Mental Health Services, Court Liaison Services, Community Forensic Outreach Services and Mental Health and Policing Programmes. The State-wide component of the service is led by the Director and Operations Manager, Queensland Forensic Mental Health Service (based in the Metro North HHS), with the support of the Service Managers, Clinical Directors, a Research and Evaluation Manager, and five State-wide positions coordinating Court Liaison Services, Prison Mental Health Services, District Forensic Liaison Network, Indigenous Forensic Mental Health, and the State-wide Community Risk Management program.

In 2017, research operations at QFMHS rapidly expanded with the appointment of two fixed term project managers for the research informed implementation focused project Partners in Prevention: Understanding and Enhancing First Responses to Suicide Crisis Situations. In addition, two research scientists were appointed to the Queensland Forensic Mental Health Group, a new research group at Queensland Centre for Mental Health Research (located in West Moreton HHS). These positions are co-located within QFMHS at Biala. The QFMHS-QCMHR collaboration has been further strengthened through the creation of several affiliates Principal Researcher positions for QFMHS staff. Research in 2017 has focussed on:

- The interfaces between police, ambulance and mental health services
- Understanding and enhancing first responses to suicide crisis situations
- National benchmarking of Forensic Mental Health Services
- Retrospective chart audit of fitness for trial and fitness for interview of people found to be of unsound mind
- The use of interactive technology in custodial settings for the delivery of culturally appropriate social and emotional wellbeing programs to Indigenous Queenslanders
- Enhancing partnerships with other government departments and the tertiary education sector to improve mental health outcomes.

QFMHS research informs service design and delivery and, ultimately, improves the experience of forensic consumers and other stakeholders. The service prioritises the sharing of research findings with stakeholders and the wider community through high impact publications, seminars and presentations.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Philip Mosley	PhD, The University of Queensland (2015 – 2020)	Impulsivity and caregiver burden after deep brain stimulation for Parkinson's disease	Michael Breakspear
Bjorn Burgher	PhD, The University of Queensland (2016 – 2020)	Neuroinflammation and neurodegeneration in early psychosis: relationship to cognitive development in adolescence and early adulthood	Michael Breakspear, James Scott & Gerard Byrne
Megan Campbell	PhD, The University of Queensland (2015 – 2017)	Dynamic networks for neural resonance: Task-dependent modulation of the human mirror system for action	Michael Breakspear
Jonathon Robinson	PhD, Queensland University of Technology (2015 – 2018)	Electroencephalographic responses to expectancy violation in object displays: Intuitive physics predictions	Michael Breakspear
Saurabh Sonkusare	PHD The University of Queensland	Interoception in depression	Michael Breakspear
Penelope Kale	BSC, (Hons), The University of Queensland (2016 – 2017)	Estimating the importance of directionality for the brain: A comparative connectomics approach	Michael Breakspear
Luke Hearn	PhD, The University of Queensland (2016 – 2017)	Brain networks and higher cognition	Michael Breakspear
Rhiannon Jeans	PhD, The University of Queensland (2016 – 2018)	Measures of whole-brain coherence during sleep and general anaesthesia in Drosophila	Michael Breakspear

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Matthew Novic	BSC, (Hons), The University of Queensland (2017 – 2017)	Eye movements and brain activity in natural vision	Michael Breakspear
Peter Carr	PhD, Griffith University (2013-2017)	Risk Factors for peripheral intravenous cannula insertion failure in the Emergency Department	Claire Rickard, Marie Cookevase Niall Higgins , James Rippey
Jordan Laurie	PHD Queensland University of Technology	Non-contact vital signs assessment using robotic vision	Jonathan Roberts; Thierry Peynot, Oran Rigby, Niall Higgins
Hannah Thomas	PhD, The University of Queensland -Completed 2 June 2017	Bullying and cyberbullying among Australian adolescents: Definition, prevalence, clinical correlates, and dimensional measurement (Principal Advisor)	James Scott
Rebecca Armstrong	PhD, The University of Queensland -Completed 2 June 2017	Language disorder from infancy to adulthood: Predictors and outcomes	James Scott
Fiona Davidson	PhD, The University of Queensland (confirmed)	Australian Mental Health Court Liaison Services, variation and common ground: performance measurement and evaluation.	Philip Burgess, Ed Heffernan , David Greenberg, Tony Butler
Melanie Mitchell	PhD, Queensland University of Technology	Precursors to violence in people with mental illness who threaten violence.	Gavin Palk, David Kavanagh
Elke Perdacher	PhD, Queensland University of Technology (confirmed)	Stay Strong custody project	David Kavanagh, Jeanie Sheffield
Annette Vasey	Master of Clinical Psychology		
Bobbie Clugston	PhD, The University of Queensland (pre-confirmation)	Mental health support of police negotiators program	Ed Heffernan , Philip Burgess, Meredith Harris
Rhondra Waterworth	Juris Doctor (Law)		
Carrick Anderson	Master of Forensic Mental Health UNSW		
Jessica Brownhalls	PhD, Griffith University (confirmed)	Cross-gender contact as a predictor of intimate partner obsessive relational intrusions	Jennifer Wells
Tim Lowry	PhD, The University of Queensland (pre-confirmation)	To be determined	Gerard Byrne
Elnike Brand	PhD, The University of Queensland (pre confirmation)	Comprehending the sexual health and sexuality in men with chronic mental illness: An epidemiological study	Ed Heffernan , Angela Rasch
Lucianne Palmquist	PHD Griffith University (2014-2018)	A grounded theory explanation of adolescent "Recovery": CYMHS consumer perspectives	Analise O'Donovan, Sue Patterson , Graham Bradley
Annaketurah Ralph	PHD The University of Queensland	Pathway from adverse childhood experiences (ACE) to problematic substance use (PSU) in young adults, specifically looking at the role of emotional dysregulation and rash impulsivity.	Matthew Gullo, Paul Harnett & Jason Connor

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Rachael Brimelow	PHD The University of Queensland	Management of affective and anxiety disorders in aged-care: identification, diagnosis and the impact on wellbeing through an e-health initiative for personal carers.	Nadeeka Dissanayaka, Gerard Byrne & Judy Wollin
Emily Hielscher	PHD The University of Queensland	Non-accidental self-injury and suicidality in adolescents and young adults with psychotic experiences	James Scott
Alex Ryan	PhD Pre-confirmation	The aetiopathogenic role of autoantibodies against the M1 muscarinic acetylcholine receptor in patients with first episode of schizophrenia	James Scott , Judith Greer
Berihun Dachew	PhD The University of Queensland	Hypertension Disorders of Pregnancy and Offspring Mental and Behavioural Disorders	Rosa Alati, Abdullah Mamun, James Scott
Shuichi Suetani	PhD The University of Queensland	Physical Activity and Mental Disorders: Epidemiological Analyses using Australian datasets	John McGrath, James Scott
Amarzaya Jadambaa	PhD Queensland University of Technology	Cost of bullying in Australia	Rosana Pacella, Hannah Thomas, Nick Graves
Ashlea White	Psychiatry Scholarly Project	Association of chronic physical illness and mental disorder in children and adolescents	Hannah Thomas, James Scott
Elke Perdacher	PhD, Queensland University of Technology Master of Clinical Psychology, The University of Queensland	Stay Strong custody project	David Kavanagh, Jeanie Sheffield
Charana Perera	Psychiatry Scholarly Project	Therapeutic monitoring of Lithium in routine psychiatric care	George Bruxner, Sue Patterson
Carmel Fleming	PhD. School of Nursing, Midwifery and Social Work. University of Queensland (2017-2020)	Family Inclusive Treatment in Eating Disorders: A stepped care approach to working with families of adults affected by eating disorders	Robyne LeBrocq; Karen Healy
Rebecca Olling	Masters. School of Medicine, University of Queensland (2015-2017)	Independent Mental Health Research Project	Matthew Bambling
Madeleine Gardener	Master of Epidemiology	Child Maltreatment	Hannah Thomas, Holly Erskine, James Scott

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Michael Breakspear	Co-ordinator	Program Mental Health Research	QIMR Berghofer Medical Research Institute (2009 – current)
Michael Breakspear	Adjunct Professor	School of Biomedical Sciences	Queensland University of Technology (2017 - 2020)
Michael Breakspear	Adjunct Professor	School of Psychiatry	University of Queensland (2011 - current)

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Michael Breakspear	NHMRC Principal Research Fellow		QIMR Berghofer Medical Research Institute (2017 – 2020)
Lisa Fawcett	Clinical Associate Professor	School of Nursing	ACU (2014-current)
Nathan Dart	Clinical Academic Fellow	School of Nursing	ACU (2014-current)
Niall Higgins	Conjoint Senior Research Fellow	School of Nursing	QUT (2015-current)
Elke Perdacher	Lecturer	School of Criminology and Criminal Justice	Griffith University
Edward Heffernan	Associate Professor Stream Head	School of Medicine Forensic Mental Health Group	The University of Queensland Queensland Centre for Mental Health Research
Jane Phillips	Senior Lecturer	School of Medicine	The University of Queensland
Carrick Anderson	Senior Lecturer	School of Medicine	The University of Queensland
Carla Meurk	Honorary Senior Fellow Principal Researcher	School of Public Health Forensic Mental Health Group	The University of Queensland Queensland Centre for Mental Health Research
Zara Samaraweera	Associate Lecturer-Registrar	School of Medicine	The University of Queensland
William Brennan	Program Lead	Master of Mental Health Nursing, Faculty of Health and Behavioural Sciences	The University of Queensland
Anna Jenkins	Senior Lecturer	School of Medicine	The University of Queensland
Bruce Hamilton	Guest Lecturer	Forensic Psychology	ACU (Australian Catholic University)
Elissa Waterson	Principal Researcher	Forensic Mental Health Group	Queensland Centre for Mental Health Research
Laura Ferris	Principal Researcher	Forensic Mental Health Group	Queensland Centre for Mental Health Research
Sue Patterson	Principal Research Fellow-Mental Health/Associate Professor	Implementation of evidence based practices in mental health services	Griffith University The University of Queensland
Dylan Flaws	Associate Lecturer	School of Medicine	The University of Queensland
Dylan Flaws	Junior Doctor Research Fellow	Development and validation of clinical tools to predict Delirium	State of Queensland, HIIRO
Brett Emmerson	Associate Professor	School of Medicine	The University of Queensland
Warren Ward	Associate Professor	Treatment and outcomes of people with eating disorders	School of Medicine, The University of Queensland
Vikas Moudgil	Senior Lecturer	School of Medicine	The University of Queensland
Bjorn Burgher	Mental Health Research Fellow	The Queensland Alliance for Mental Health Research	The University of Queensland
Leonardo Gollo	NHMRC (ECF level) Dementia Fellowship	From brain maps to mechanisms: Modelling the pathophysiology of dementia	NHMRC/QIMR Berghofer

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
James Scott	Practitioner Fellowship	Prevention and Management of Youth Mental Illness	NHMRC
Hollie Wilson	Visiting fellowship		School of Psychology & Counselling at QUT.

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Brett Emmerson, Lisa Fawcett, Niall Higgins	Niall Higgins (RBWH) Fiona Coyer (QUT) Jonathan Roberts (QUT) Brett Emmerson (RBWH) Lisa Fawcett (RBWH)	Remote patient monitoring via non-invasive digital technology: a preliminary evaluation of a system for respiratory observations
Lisa Fawcett, Nathan Dart, Niall Higgins	Niall Higgins (RBWH) Nathan Dart (RBWH) Thomas Meehan (West Moreton HHS) Theresa Green (QUT) Michael Kilshaw (TPCH) Debra Anderson (Griffith University)	Implementation of Safewards and Brøset to Secure Mental Health Rehabilitation Units
Niall Higgins	Claire Rickard (Griffith University) Robert Ware (UQ) Marcus Watson (RBWH) Niall Higgins (RBWH)	Near infrared venous analysis: A trial of vessel finders versus standard technique for peripheral placement of intravenous catheters
Niall Higgins	Jordan Laurie (QUT) Jonathan Roberts (QUT) Thierry Peynot (QUT) Oran Rigby (QUT) Niall Higgins (RBWH)	Non-contact vital signs assessment using robotic vision
Sue Patterson & Brett Emmerson	Nicole Brigg , Archana Pradhan(UQ) Pauline Ford (UQ) et al	Let's Get Physical: An investigation of the current practice and expectations of specialist mental health, and drug and alcohol services in relation to monitoring and managing the physical and oral health of people using their services.
Sue Patterson, Jordan Duncan, Kylie Garrick	Analise O'Donovan (Griffith), Stephanie Donovan , Carmel Barry (MNMH), Richard Ollie (Griffith)	Promoting sustainable engagement: a mixed methods study of the work-lives, engagement and health of clinical staff working in mental health care environments.
Sue Patterson & Brett Emmerson	Niall Higgins, Lisa Fawcett, Wilsen Drew et al.,	Implementation of the Queensland Health Smoking Cessation Clinical Pathway: A mixed methods evaluation of process and outcomes within Metro North Mental Health Services
Ed Heffernan	Bobbie Clugston (MHAODB)	Involuntary Treatment Order National Benchmarking
Ed Heffernan, Fiona Davidson, Carla Meurk, Dimity Stephen	Stuart Kinner (Griffith University), Kimina Andersen	Family Business – Improving and understanding the treatment of PTSD among incarcerated Aboriginal and Torres Strait Islander Women.

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Ed Heffernan, Bob Green, Jane Phillips, Zara Samaraweera	Bobbie Clugston, Carolina Ceron (High Secure Inpatient Service), Adam Griffin (Forensic Medical Service), C Gardner (QPS)	Fitness for interview and fitness for trial – a retrospective chart audit of people found to be unsound of mind.
Melanie Mitchell	Gavin Palk, David Kavanagh (QUT)	Mentally ill threateners: A review of mentally ill threateners; the characteristics of the threatener, the nature and context of the threat and the response of mental health staff to threats.
Elke Perdacher, Ed Heffernan, Penny Dale	David Kavanaugh (UQ), Jeanie Sheffield (UQ)	Stay Strong Plan – an evaluation of android Stay Strong Plan app with Aboriginal and Torres Strait Islander women in custody.
Fiona Davidson, Jane Phillips, Ed Heffernan	Tony Butler (UNSW), David Greenberg (UNSW), Peter Conroy (QPS), Philip Burgess (UQ)	Queensland Court Liaison Service – Pathways of Mental Health Service - A cohort study to explore the pathways of public mental health service care for people that received an assessment by SEQ CLS in 2015.
Fiona Davidson, Jane Phillips, Ed Heffernan	Tony Butler (UNSW), David Greenberg (UNSW), Philip Burgess (UQ)	The National Court Liaison Services Benchmarking Project.
Ed Heffernan, Michelle Perrin, Fiona Davidson	Stuart Kinner (Griffith University), Bobbie Clugston	The National Prison Mental Health Benchmarking Project.
Fiona Davidson, Ed Heffernan	Tony Butler (UNSW), David Greenberg (UNSW), Philip Burgess (UQ)	The first National Court Liaison and Court Diversion Survey
Fiona Davidson, Ed Heffernan, Velimir Kovacevic, Bruce Hamilton, Elissa Waterson	Tony Butler (UNSW), David Greenberg (UNSW), Philip Burgess (UQ), Marshall Watson (SA Health), Carolyn Dixon (J&FMHN NSW), Adam Brett (WA), Maraea Handley (NT FMHS), Marita O'Connell (Tas Courts MH Program), Narain Nambiar (SA FMHS), Owen Samuels (ACT FMHS), Patrick Seal (Forensicare)	National Court Liaison Service Key Performance Indicators – The establishment of a nationally agreed approach to performance measurement for Australian Court Liaison Services.
Tim Lowry, Bruce Hamilton, Annette Vasey	Bruce Watt (Bond University)	High risk psychotic phenomena – delusions involving themes of sexual assault
Ed Heffernan, Elissa Waterson, Darren Neillie, Penny Dale, Yasmin Muller, Carla Meurk, Laura Ferris	Collaborating organisations: Queensland Health, Queensland Police Service, Queensland Ambulance Service, Queensland Mental Health Commission, Roses in the Ocean, Brisbane North Primary Health Network, Queensland Alliance for Mental health	Partners in Prevention: Understanding and Enhancing First Responses to Suicide Crisis Situations.
Darryn Neillie, Tim Lowry, Bob Green, Jennifer Wells, Fiona Davidson		Outcomes of Community Forensic Outreach Service (CFOS)
Carrick Anderson, Dimity Stephen		Frequent callers to emergency services

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Michele Perrin, Fiona Davidson		State wide Prison Mental Health Audit
Tim Lowry, Darryn Neillie, Fiona Davidson		CFOS reports: Referrer feedback survey
Tim Lowry, Darryn Neillie, Fiona Davidson		CFOS consumer snapshot
Ed Heffernan, Tim Lowry, Jane Phillips, Elissa Waterson	Bobbie Clugston (MHAODB)	Mental Health Support of Police Negotiators Program
Ed Heffernan, Elissa Waterson, Dimity Stephens	Bobbie Clugston (MHAODB)	Pathways for individuals with a mental illness who are the subject of police negotiator events
Penny Dale, Yasmin Muller, Ed Heffernan, Elissa Waterson, Dimity Stephens		Indigenous Mental Health Intervention Project (IMHIP) evaluation
Bob Green, Darren Neillie, Fiona Davidson		Treatment pathways of persons found not criminally responsible due to mental disorder
Chris Randall, Sue Patterson, Warren Ward	Jeanie Sheffield. The University of Queensland	Clinical outcomes and experience of a three-month intensive outpatient program for people with Eating Disorders: A mixed methods study to inform systematic quality improvement.
Queensland Eating Disorders Service Carmel Fleming	School of Nursing, Midwifery and Social Work. The University of Queensland	Family Inclusive Treatment in Eating Disorders: A stepped care approach to working with families of adults affected by eating disorders

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Gail Robinson (TPCH), Andrew Burke (TPCH), Deanne Curtin (TPCH)	Niall Higgins	OSA prevalence in SMI Screening for sleep disordered breathing in an in-patient mental health population

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Julia Crilly, Stuart Kinner, Gerry Fitzgerald, Marianne Wallis	Ed Heffernan	Improving the outcomes for people with acute mental illness in emergency departments
Justin Chapman (QIMR)	Michael Breakspear, Sue Patterson	Trialling the feasibility and acceptability of physical activity self-monitoring and supervised exercise interventions for adults with severe mental illness'
Queensland Brain Institute and Asia-Pacific Centre for Neuromodulation	Queensland Eating Disorders Service Warren Ward	Study into Deep Brain Stimulation for Treatment-resistant Anorexia Nervosa
University of Sydney NHMRC	Queensland Eating Disorders Service Warren Ward	NHMRC-funded trial of intranasal oxytocin for Anorexia Nervosa
University of South Australia Lee Martinez	Sue Patterson	Hearing Voices that are Distressing Simulation – Impact on Rural Students and Workforce

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Michael Breakspear	Senior Research Award	Royal Australian and New Zealand College of Psychiatry
Warren Ward	Award for Distinguished Achievement in the Field of Eating Disorders	Australia & New Zealand Academy for Eating Disorders
QFMHS	2017 Australian Crime and Violence Prevention Awards. Gold award	Queensland Fixated Threat Assessment Centre (QFTAC) – Project Solus

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Luca Cocchi, Andrew Zalesky A, P Fitzgerald, Michael Breakspear.		Personalised brain simulation for treatment of Obsessive-Compulsive Disorder	National Health & Medical Research Council Project Grant	\$666,128.00	\$666,128.00 (2018-2021)
Michael Breakspear & Christine Guo, CC		Commercialise multi-modal imaging and stimulation	Department of Science, Information Technology and Innovation		\$500,000.00 (2018 – 2020)
Michael Breakspear		Brain Connectomics in Psychiatry	NHMRC Principal Research Fellowship	\$763,845	2017 – 2021

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Michael Breakspear, Nicholas Martin, Gerard Byrne et al.,		Prospective Imaging Study of Ageing: Genes, Brain and Behaviour (PISA).	NHMRC Grant	\$6,465,047	2016-2020
James Anderson, Niall Higgins		Prevalence of obstructive sleep apnoea in heavily sedated inpatients with schizophrenia and schizoaffective	TPCH Foundation Grant	\$10,000	2017
Chris Randall, Sue Patterson, Jeanie Sheffield & Warren Ward		Clinical outcomes and experience of a three-month intensive outpatient program for people with Eating Disorders: A mixed methods study to inform systematic quality improvement.	RBWH and RBWH Foundation	\$27,110	\$27,110 2017
Justin Chapman, Suichi Suetani, Dan Siskand, Geoff Lau, Steve Kisely, Sue Patterson & S Bartlett		Physical activity behaviour change interventions for adults with mental illness.	Metro South Health	\$75000	2018-19
Dylan Flaws, Sue Patterson, Dan Siskand, Vikas Moudgil		A pilot randomised cross-over placebo control trial of Metformin for reducing weight gain and metabolic syndrome among people initiated on clozapine	RBWH and RBWH Foundation	\$39,997.60	2017-2018
Michael Breakspear, Sue Patterson , Justin Chapman		Trialling the feasibility and acceptability of physical activity self-monitoring and supervised exercise interventions for adults with severe mental illness'	RBWH and RBWH Foundation	\$39,771	2017
M Meinzer, A Martin.; Michael Breakspear M. Luca Cocchi, J Haueisen, A Hunold		How does electrical stimulation affect brain networks	ARC Discovery Project	\$503,366.00	\$503,366.00 (2017 – 2020)
Niall Higgins, Fiona Coyer, Jonathan Roberts, Brett Emmerson, Lisa Fawcett		Remote patient monitoring via non-invasive digital technology: a preliminary evaluation of a system for respiratory observations	RBWH Foundation Grant	\$40,000	

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
James Roberts, Michael Breakspear , Samps Vanhatalo, Paul Colditz.		Novel methods for early bedside detection and prognosis of preterm brain injury	National Health & Medical Research Council Project Grant	\$630,880.20	\$630,880.20 (2018-2020)
James Roberts, Leonardo Gollo, Michael Breakspear .		Beyond the connectome: Modelling large-scale brain dynamics	National Health & Medical Research Council Project Grant	\$419,847.00	\$419,847.00 (2018 – 2020)
Sarris J, Ng C, Byrne G , Castle D, Canfield PJ.		N-Acetyl Cysteine in the adjunctive treatment of obsessive compulsive disorder: A 16- week, double-blind, randomised, placebo- controlled study	NHMRC Grant	\$850,448	
L Stafford, L Newman, B Mann, Jane Turner et al.,		EPIC. Enhancing parenting in cancer: Development and evaluation of a brief psychoeducational intervention to support parents with cancer who have young children	Victorian Cancer Agency	\$200,000	2016-2017
Fiona Davidson	Queensland Forensic Mental Health Service	A comparison of Court based approaches to mental disorder in Australia	NHMRC, The Australian Centre for Research Excellence in Offender Health	\$32,000	\$96,000 (2014- 2017)
Ed Heffernan , Elissa Waterson , Fiona Davidson , Bobbie Clugston, Darren Neillie , John Tracey , Rebecca Soole, Dee Taylor- Dutton, Emma Bosley, Lesley Van Schoubroeck, Carmel Ybarlucea	Queensland Forensic Mental Health Service	Partners in Prevention: Understanding and Enhancing First Responses to Suicide Crisis Situations	Suicide Prevention Health Taskforce	\$324,680.00*	\$556,850.00 (2016-2019)
Julia Crilly, Stuart Kinner, Gerry Fitzgerald, Ed Heffernan , Marianne Wallis	Queensland Forensic Mental Health Service	Improving Outcomes for people with acute mental illness in the emergency department: a data linkage study	NHMRC Project Grant	\$251,470.00	\$251,470.00 (2017-2020)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Carmel Fleming	Queensland Eating Disorders Service	Family Inclusive Treatment in Eating Disorders: A stepped care approach to working with families of adults affected by eating disorders	Research Postgraduate Scholarship top up Queensland Health Metro North Hospital and Health Services Royal Brisbane & Women's Hospital.	\$8,000	\$24,000 (2017-2019)
Carmel Fleming	Queensland Eating Disorders Service	Family Inclusive Treatment in Eating Disorders: A stepped care approach to working with families of adults affected by eating disorders	Research Training Program (RTP) Scholarship. Department of Education and Training Australian Government and University of Queensland. Tuition fee offset	\$32,000	\$96,000 - \$120,000 (2017-2020)
Carmel Fleming	Queensland Eating Disorders Service	Family Inclusive Treatment in Eating Disorders: A stepped care approach to working with families of adults affected by eating disorders	Research Training Program (RTP) Scholarship. Department of Education and Training Australian Government and University of Queensland. Living Allowance Stipend	\$26,682	\$80,046- \$106,728 (2017-2020)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Abajobir AA, Kisely S, Scott JG , Williams G, Clavarino A, Strathearn L & Najman JM. Childhood maltreatment and young adulthood hallucinations, delusional experiences and psychosis: a longitudinal study. Schizophrenia Bulletin, (2017) 43(5), 1045-1055. doi: 10.1093/schbul/sbw175
Journal Article	Alghowinem S, Goecke R, Wagner M, Epps J, Hyett M, Parker G, Breakspear M . Multimodal Depression Detection: Fusion Analysis of Paralinguistic, Head Pose and Eye Gaze Behaviors. IEEE Transactions on Affective Computing, (2017) doi: 10.1109/TAFFC.2016.2634527
Journal Article	Al-Kaysi AM, Al-Ani A, Loo CK, Powell TY, Martin DM, Breakspear M , Boonstra TW. Predicting tDCS treatment outcomes of patients with major depressive disorder using automated EEG classification. J Affect Disorders, (2017) 208,597-603.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Armstrong R, Scott JG , Whitehouse AJO, Copland D A, McMahon KL . & Arnott W. Late talkers and later language outcomes: Predicting the different language trajectories. International Journal of Speech Language Pathology, (2017) 1-14. doi:10.1080/17549507.2017.1296191
Journal Article	Armstrong R, Whitehouse AJO, Scott JG , Copland DA, McMahon KL , Fleming S & Arnott W. A relationship between early language skills and adult autistic-like traits: evidence from a longitudinal population-based study. Journal of Autism and Developmental Disorders, (2017), 1-12. doi:10.1007/s10803-016-3014-z
Journal Article	Avery N & Patterson S . Physical health in public mental health care: A qualitative study employing the COM-B model of behaviour to describe views and practices of Australian psychologists. Australian Psychologist, (2017) doi:10.1111/ap.12302.
Journal Article	Barron L, Barron R, Johnson J , Wagner W, Ward C, Ward S, Barron F, Ward W . A retrospective analysis of biochemical and haematological parameters in patients with eating disorders. Journal of Eating Disorders, (2017), 5-32.
Journal Article	Bhagwat S & Bruxner G . "Not quite out of the woods" - potential for misdiagnosis of delayed neurological syndrome of carbon monoxide poisoning as relapse of mental illness. Australasian Psychiatry, (2017) 25(5):494-496. doi: 10.1177/1039856217726695.
Journal Article	Bhatia S, Hayat M, Breakspear M , Parker G & Goecke R. A video-based facial behaviour analysis approach to melancholia. In Automatic Face & Gesture Recognition (FG 2017), (2017) 12th IEEE International Conference on (754-761). IEEE.
Journal Article	Bidding C, Thurairajasingam S, Ramadas A, Teo A, Ho M, Elangovan S & Karbassi Z. Psychological Well-being among medical students in their clinical years. The Medical Journal of Malaysia, (2017) (accepted for publication Aug 2017).
Journal Article	Borschmann R, Thomas E, Moran P, Carroll M, Heffernan E , Spittal M, Sutherland G, Alati R & Kinner S. Self-harm following release from prison: A prospective data linkage study. Australian & New Zealand Journal of Psychiatry, (2017) 5,250-259, doi:10.1177/0004867416640090
Journal Article	Borschmann R, Young JT, Moran P, Spittal MJ, Heffernan E , Mok K, et al. Ambulance attendances resulting from self-harm after release from prison: a prospective data linkage study. Social Psychiatry and Psychiatric Epidemiology, (2017) 52(10),1295-305.
Journal Article	Breakspear M Dynamic models of large-scale brain activity, Nature Neuroscience, (2017) 20(3) 340-352.
Journal Article	Byrne GJ . Is there anything to worry about? Australasian Journal on Ageing, (2017) 36, 96-97. doi: 10.1111/ajag.12346
Journal Article	Carr PJ, Higgins N , Rippey J, Cooke M, Rickard CM. 'Tools, Clinical Prediction Rules, and Algorithms for the insertion of peripheral intravenous catheters in adult hospitalized patients: A systematic scoping review of literature. J Hosp Med, (2017) Oct,12(10). doi: 10.12788/jhm.2836. Epub 2017 Sep 6.
Journal Article	Chapman JJ, Roberts JA, Nguyen VT, Breakspear M . Quantification of free-living activity patterns using accelerometry in adults with mental illness. Sci Rep, (2017) 7,43174.
Journal Article	Chellamuthu R, Elangovan E , Karthikeyan K et al. Training allied mental health professional to use Mini International Neuropsychiatric Interview for clinical screening. International Invention journal of Medicine and Medical sciences, (2017) 4(4) 34-40.
Journal Article	Cocchi L, Gollo LL, Zalesky A, Breakspear M . Criticality in the brain: A synthesis of neurobiology, models and cognition. Prog Neurobiol, doi:10.1016/j.pneurobio.2017.07.002.(2017)
Journal Article	Cumming P, Burgher B, Patkar O, Breakspear M , Vasdev N, Thomas P, et al. Sifting through the surfeit of neuroinflammation tracers. J Cereb Blood Flow Metab. 2017 Jan 1:271678X17748786. doi: 10.1177/0271678X17748786. [Epub ahead of print]
Journal Article	Davey CG, Breakspear M , Pujol J, Harrison BJ. A Brain Model of Disturbed Self-Appraisal in Depression. Am J Psychiatry, (2017)174(9),895-903
Journal Article	Davidson F, Heffernan E , Greenberg D, Waterworth R & Burgess P. Mental Health and Criminal Charges: Variation in Diversion Pathways in Australia, Psychiatry, Psychology and Law, (2017) 24(6) doi.org/10.1080/13218719.2017.1327305.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Davidson F, Heffernan E , Greenberg D, Butler T, Burgess P. Key performance indicators for Australian mental health court liaison services. <i>Australasian Psychiatry</i> , (2017) 25(6), 609-13.
Journal Article	Dissanayaka NN, Pye D, Mitchell LK, Byrne GJ , O'Sullivan JD, Marsh R, Pachana NP. Cognitive behaviour therapy for anxiety in Parkinson's disease: Outcomes for patients and caregivers. <i>Clinical Gerontologist</i> , (2017) 40(3): 159-171 doi: 10.1080/07317115.2016.1240131.
Journal Article	Dissanayaka NN, Au TR, Angwin AJ, O'Sullivan JD, Byrne GJ , Silburn PA, Marsh R, Mellick GD, Copland DA. N400 and emotional word processing in Parkinson's disease. <i>Neuropsychology</i> , (2017) 31, 585-595. doi: 10.1037/neu0000333
Journal Article	Emmerson B , Praskova A, Fawcett L , Crompton D & Heffernan E. Mental health services planning for G20 summit in Brisbane and assessment of impact. <i>Australasian Psychiatry</i> , (2017), 25(1) 60-65.
Journal Article	Erskine HE, Baxter A J, Patton G, Moffitt, TE, Patel V, Whiteford, HA, & Scott JG . The global coverage of prevalence data for mental disorders in children and adolescents. <i>Epidemiology and Psychiatric Sciences</i> , (2017) 26 4, 395-402. doi:10.1017/S2045796015001158.
Journal Article	Flanagan KJ, Copland DA, Chenery HJ, Byrne GJ , & Angwin AJ. Semantic feature disturbance in Alzheimer disease: Evidence from an object decision task. <i>Cognitive and Behavioural Neurology</i> , (2017) 30(4), 159-171. doi: 10.1097/WNN.0000000000000140.
Journal Article	Frankland A, Roberts G, Holmes-Preston E, Perich T, Levy F, Lenroot R, Hadzi-Pavlovic D, Breakspear M , Mitchell PB. Clinical predictors of conversion to bipolar disorder in a prospective longitudinal familial high-risk sample: focus on depressive features. <i>Psychol Medicine</i> , (2017). doi:10.1017/S0033291717003233:1-9.
Journal Article	Gordon A , Connell MT , Davis PJ, Pepping CA, Patterson S , Salter K, Scott JG . A randomised waitlist control community study of Social Cognition and Interaction Training (SCIT) for people with schizophrenia. <i>British Journal of Clinical Psychology</i> , (2017) Oct 9. doi: 10.1111/bjc.12161. [Epub ahead of print]
Journal Article	Gunasekara I , Patterson S & Scott JG . What makes an excellent mental health doctor?" A response integrating the experiences and views of service users with critical reflections of psychiatrists in Australia. <i>Health and Social Care in the Community</i> (2017) Nov 25(6),1752-1762. doi: 10.1111/hsc.12449.
Journal article	Heitmann S, Aburn MJ, Breakspear M . The Brain Dynamics Toolbox for Matlab. <i>bioRxiv</i> . 2017 doi: org/10.1101/219329.
Journal Article	Heitmann S, Breakspear M . Putting the "dynamic" back into dynamic functional connectivity. <i>Network Neuroscience</i> , (2017). doi: https://doi.org/10.1101/181313.
Journal Article	Hielscher E, De Vylder J, Saha S, Connell M , & Scott JG . Why are psychotic experiences associated with self-injurious thoughts and behaviours? A systematic review and critical appraisal of potential confounding and mediating factors. <i>Psychological Medicine</i> , (2017) doi: 10.1017/S0033291717002677
Journal Article	James K, Quirk A, Patterson S , Brennan G & Stewart D. Quality of intervention delivery in a cluster randomised controlled trial: a qualitative observational study with lessons for implementation fidelity. <i>Trials</i> , (2017) 18:548 doi.org/10.1186/s13063-017-2189-8
Journal Article	Jeganathan J, Perry A, Bassett DS, Roberts G, Mitchell PB, Breakspear M . Fronto-limbic dysconnectivity leads to impaired brain network controllability in young people with bipolar disorder and those at high genetic risk. <i>bioRxiv</i> . (2017) doi:10.1101/222216
Journal Article	Johnston ANB, Weeks B, Shuker M, Coyne E, Higgins N , Mitchell M, Massey D. 'Nursing Students' perceptions Perceptions of the Objective Structured Clinical Assessment: An integrative review.' <i>Clinical Simulation in Nursing</i> , (2017) 13(3), 127-142. doi: 10.1016/j.ecns.2016.11.002
Journal Article	Kassbaum N, Hmwe Kyu H, Zoecker L, Erskine HE, Scott JG , & Vos T. Child and Adolescent Health From 1990 to 2015 Findings From the Global Burden of Diseases, Injuries, and Risk Factors 2015 Study. <i>JAMA Pediatrics</i> , (2017) 171(6), 573-592. doi:10.1001/jamapediatrics.2017.0250
Journal Article	Kerkman JN, Daffertshofer A, Gollo LL, Breakspear M, Boonstra TW. Functional connectivity analysis of multiplex muscle network across frequencies. <i>Conf Proc IEEE Eng Med Biol Soc</i> , (2017), 1567-70.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Kerkman JN, Daffertshofer A, Gollo L, Breakspear M , Boonstra TW. Network structure of the human musculoskeletal system shapes neural interactions on multiple timescales. <i>bioRxiv</i> :181818, (2017)
Journal Article	Kesby J, Eyles D, McGrath J & Scott JG . Dopamine, psychosis and schizophrenia: the widening gap between basic and clinical neuroscience. <i>Translational Psychiatry</i> , In Press Accepted 26/10/17
Journal Article	Khatun M, Mamun AA, Scott JG , William GM, Clavarino A, & Najman JM. Do children born to teenage parents have lower adult intelligence? A prospective birth cohort study. <i>PLoS One</i> , (2017), 12(3): e0167395. doi: 10.1371/journal.pone.0167395.
Journal Article	Kirk KM ... Ward W , Wade TD, Bulik CM, Martin NG. The Anorexia Nervosa Genetics Initiative: Study description and sample characteristics of the Australian and New Zealand arm. <i>Australian and New Zealand Journal of Psychiatry</i> , (2017) DOI: https://doi.org/10.1177/0004867417700731
Journal Article	Kinchin I, Doran CM, Hall WD, Meurk C . Understanding the true economic impact of self-harming behaviour. <i>The Lancet Psychiatry</i> , (2017), 4(12):900-1.
Journal Article	Lin H-Y, Cocchi L, Zalesky A, Lv J, Perry A, Tseng W-YI, Kundu P, Breakspear M , Gau SS. Brain-behavior patterns define a dimensional biotype in medication-naïve adults with attention-deficit hyperactivity disorder. <i>bioRxiv</i> . (2017) 190660
Journal Article	Lord AR, Li M, Demenescu LR, van den Meer J, Borchardt V, Krause AL, Heinze HJ, Breakspear M , Walter M. Richness in Functional Connectivity Depends on the Neuronal Integrity within the Posterior Cingulate Cortex. <i>Front Neuroscience</i> , (2017) 11,184.
Journal Article	Lv J, Nguyen VT, van der Meer J, Breakspear M , & Guo CC. N-way Decomposition: Towards Linking Concurrent EEG and fMRI Analysis During Natural Stimulus. In <i>International Conference on Medical Image Computing and Computer-Assisted Intervention</i> . (2017, September) (pp. 382-389). Springer, Cham.
Journal Article	Massey D, Burns J, Higgins N , Weeks B, Shuker M, Coyne E, Mitchell M, Johnston ANB. Enhancing OSCE preparedness with video exemplars in undergraduate nursing students. A mixed method study. <i>Nurse Education Today</i> , (2017) 54, 56-61. doi: 10.1016/j.nedt.2017.02.024
Journal Article	McKeon GL, Robinson GA, Ryan AE, Blum S, Gillis D, Finke C & Scott JG . Cognitive outcomes following anti-N-methyl-D-aspartate receptor encephalitis: A systematic review. <i>Journal of Clinical and Experimental Neuropsychology</i> , (2017) 1-19. doi:10.1080/13803395.2017.1329408
Journal Article	Mehta D, Bruenig D, Carrillo-Roa T, Lawford B et al. Genomewide DNA methylation analysis in combat veterans reveals a novel locus for PTSD <i>Acta Psychiatr Scand</i> (2017), 1–13 doi:10.1111/acps.12778
Journal Article	Meredith P, Yeates H, Taylor M , Slattery M, Charters M & Hill M. Preparing mental health professionals for new directions in mental health practice: Evaluating the sensory approaches e-learning training package. <i>International Journal of Mental Health Nursing</i> , (2017) DOI:10.1111/inm.12299
Journal Article	Mills NT, Maier R, Whitfield JB, Wright MJ, Colodro-Conde L, Byrne EM, Scott JG & Benyamin B. Investigating the relationship between iron and depression. <i>Journal of Psychiatric Research</i> , (2017) 94, 148-155 doi: 10.1016/j.jpsychires.2017.07.006
Journal Article	Moore SE, Norman RE, Suetani S, Thomas HJ, Sly PD & Scott JG . Consequences of bullying victimization in childhood and adolescence: A systematic review and meta-analysis. <i>World Journal of Psychiatry</i> , (2017), 7(1), 60–76. doi: 10.5498/wjp.v7.i1.60
Journal Article	Murphy JA, Sarris J, Byrne GJ . A review of the conceptualization and risk factors associated with treatment-resistant depression. <i>Depression Research and Treatment</i> , (2017) 4176825 doi: 10.1155/2017/4176825
Journal Article	Najman JM, Bor W, Ahmadabadi Z, Williams GM, Alati R, Mamun AA, Scott J and Clavarino, AM. The inter- and intra- generational transmission of family poverty and hardship (adversity): A prospective 30 year study. <i>PLoS One</i> , (in press accepted 19 Dec 2017)
Journal Article	Najman JM, Plotnikova M, Williams GM, Alati R, Mamun AA, Scott J , Clavarino AM, Wray N. Maternal depression and family adversity: Linked pathways to offspring depression? <i>Journal of Psychiatric Research</i> , (2017) 88, 97-104. doi: 10.1016/j.jpsychires.2017.01.006

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Najman JM, Plotnikova M, Williams GM, Alati R, Mamun AA, Scott J , Wray N & Clavarino AM. Trajectories of maternal depression: a 27-year population-based prospective study. <i>Epidemiology and Psychiatric Sciences</i> . (2017) 26 1: 79-88. doi:10.1017/S2045796015001109
Journal Article	Ng F, Scott JG & Bruxner, G . Antineuronal antibody screening in early onset-cognitive decline. <i>Australian and New Zealand Journal of Psychiatry</i> , (2017) 51(7): 736-737. doi: 10.1177/0004867416670019
Journal Article	Nguyen VT, Sonkusare S, Stadler J, Hu X, Breakspear M , Guo CC. Distinct Cerebellar Contributions to Cognitive-Perceptual Dynamics During Natural Viewing. <i>Cereb Cortex</i> , (2017) 27(12), 5652-62.
Journal Article	Palmquist L, Patterson S , O'Donovan A & Bradley G. Protocol: A Grounded Theory of 'Recovery'-Adolescent Service Users' Perspectives. <i>BMJ Open</i> , (2017), 7:e015161. doi: 10.1136/bmjopen-2016-015161
Journal Article	Pathé MT , Haworth DJ, Goodwin T , Holman AG, Amos SJ, Winterbourne P, et al. Establishing a joint agency response to the threat of lone-actor grievance-fuelled violence. <i>The Journal of Forensic Psychiatry & Psychology</i> , doi.org/10.1080/14789949.2017.1335762. (Available online 5 June, 2017)
Journal Article	Pathé MT , Haworth DJ, Goodwin T-A, Holman AG, Amos SJ, Winterbourne P & Day L. Establishing a joint agency response to the threat of lone-actor grievance-fuelled violence. <i>The Journal of Forensic Psychiatry & Psychology</i> , (2017) doi.org/10.1080/14789949.2017.1335762
Journal Article	Patterson S , Drew W, Chamberlain K & Emmerson B . Smoke free acute inpatient care: A mixed methods study of psychiatrists' views and practice in two Australian inpatient mental health settings. <i>Mental Health and Addiction Research</i> ,. (in press accepted Dec 2017)
Journal Article	Perry A, Wen W, Kochan NA, Thalamuthu A, Sachdev PS, Breakspear M . The independent influences of age and education on functional brain networks and cognition in healthy older adults. <i>Hum Brain Mapp</i> , (2017) 38(10), 5094-114.
Journal Article	Pickering JW, Flaws D , Smith SW, Greenslade J , Cullen L, Parsonage W, Carlton E, Mark Richards A, Troughton R, Pemberton C, George PM. A Risk Assessment Score and Initial High-sensitivity Troponin Combine to Identify Low Risk of Acute Myocardial Infarction in the Emergency Department. <i>Academic Emergency Medicine</i> , (2017) Nov 13. doi: 10.1111/acem.13343. [Epub ahead of print]
Journal Article	Prentice K, Blair B & O'Mullan C. Sexual and Family Violence: Overcoming Barriers to Service Access for Aboriginal and Torres Strait Islander Clients. <i>Australian Social Work</i> , (2017) 70(2), 241-252 http://dx.doi.org/10.1080/0312407X.2016.1187184
Journal Article	Roberts JA, Friston KJ, Breakspear M . Clinical applications of stochastic dynamic models of the brain, part I: A primer. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , (2017) 2(3), 216-224 https://doi.org/10.1016/j.bpsc.2017.01.010
Journal Article	Roberts JA, Friston KJ, Breakspear M . Clinical Applications of Stochastic Dynamic Models of the Brain, Part II: A Review <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , (2017) 2(3), 225-234 https://doi.org/10.1016/j.bpsc.2016.12.009 .
Journal Article	Roberts G, Lord A, Frankland A, Wright A, Lau P, Levy F, Lenroot RK, Mitchell PB, Breakspear M . Functional Dysconnection of the Inferior Frontal Gyrus in Young People With Bipolar Disorder or at Genetic High Risk. <i>Biol Psychiatry</i> , (2017) 81,718-727.
Journal Article	Roberts JA, Perry A, Roberts G, Mitchell PB, Breakspear M . Consistency-based thresholding of the human connectome. <i>Neuroimage</i> , (2017) 145(Pt A),118-29,
Journal Article	Ryan A, Baker A, Dark F, Foley S, Gordon A , Hatherill S, Scott JG . The efficacy of sodium benzoate as an adjunctive treatment in early psychosis - CADENCE-BZ: study protocol for a randomized controlled trial. <i>Trials</i> , (2017) 18(1), 165. doi:10.1186/s13063-017-1908-5.
Journal Article	Santhanam-Martin R, Fraser N, Jenkins A , Tuncer C. Evaluation of cultural responsiveness using a transcultural secondary consultation model. <i>Transcultural Psychiatry</i> , (2017) 54(4), 488-501.
Journal Article	Sampaio F, Barendregt JJ, Feldman I, Lee YY, Sawyer MG, Dadds MR, Scott JG , Mihalopoulos C. Population cost-effectiveness of the Triple P parenting programme for the treatment of Conduct Disorder: An economic modelling study. <i>European Child & Adolescent Psychiatry</i> , (accepted 15 Dec 2017)

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Scott JG , Giortz Pedersen M, Erskine HE, Bikic A, Demontis D, McGrath JJ & Dalsgaard S. Mortality in individuals with disruptive behavior disorders diagnosed by specialist services – a nationwide cohort study. <i>Psychiatry Research</i> , (2017) 251, 255-260. doi:10.1016/j.psychres.2017.02.029
Journal Article	Shine JM, Aburn MJ, Breakspear M , Poldrack RA. (2007) The modulation of neural gain facilitates a transition between functional segregation and integration in the brain. <i>eLife</i> , 7:e31130
Journal Article	Signal S, Taylor N, Prentice K , McDade M & Burke KJ Going to the dogs: A quasi-experimental assessment of animal assisted therapy for children who have experienced abuse. <i>Applied Developmental Science</i> , (2017) 2, 81-93 http://dx.doi.org/10.1080/10888691.2016.1165098
Journal Article	Signorini R, Sheffield J, Rhodes N, Fleming C & Ward W . The Effectiveness of Enhanced Cognitive Behavioural Therapy (CBT-E): A Naturalistic Study within an Out-Patient Eating Disorder Service. <i>Behavioural and Cognitive Psychotherapy</i> , (2017) doi: 10.1017/S1352465817000352.
Journal Article	Suetani S, Mamun A, Williams GM, Najman JM, McGrath JJ & Scott JG . Longitudinal association between physical activity engagement during adolescence and mental health outcomes in young adults: A 21-year birth cohort study. <i>Journal of Psychiatric Research</i> , (2017) 94, 116-123. doi: 10.1016/j.jpsychires.2017.06.013
Journal Article	Suetani S, Mamun A, Williams GM, Najman JM, McGrath JJ & Scott JG . The association between adolescent psychopathology and subsequent physical activity in young adulthood: A 21-year birth cohort study. <i>Psychological Medicine</i> , (2017) 19, 1-10. doi:10.1017/S0033291717001660
Journal Article	Suetani S, Reddan J, Anderson C . Methamphetamine and psychiatry: A story of the colourless substance of abuse. <i>Australasian Psychiatry</i> , (2017) 25(3), 254-6.
Journal Article	Suetani S, Saha S, Eyles DW, Scott JG , & McGrath JJ. Prevalence and correlates of suboptimal vitamin D status in people living with psychotic disorders: Data from the Australian Survey of High Impact Psychosis. <i>Australian and New Zealand Journal of Psychiatry</i> , (2017) 51 (9), 921-929. doi:10.1177/0004867416681853
Journal Article	Suetani S, Saha S, Milad A, Eakin E, Scott JG & McGrath JJ. Common mental disorders and recent physical activity status: Findings from a National Community Survey. <i>Social Psychiatry and Psychiatric Epidemiology</i> , (2017) 52(7), 795-802. doi:10.1007/s00127-016-1307-3
Journal Article	Suetani S, Scott JG & McGrath JJ. The importance of the physical health needs of people with psychotic disorders. <i>Australian and New Zealand Journal of Psychiatry</i> , (2017) 51(1), 94-95. doi:10.1177/0004867416662151
Journal Article	Tan WH, Sheffield J, Khoo SK, Byrne GJ , Pachana NA. Influences on psychological well-being and ill-being in older women. <i>Australian Psychologist</i> , (2017) doi: 10.1111/ap.12297
Journal Article	Thomas HJ, Baguley CM, Connor JP & Scott JG . Two sides to the story: Adolescent and parent views on harmful intention in defining school bullying. <i>Aggressive Behaviour</i> , (2017) 43(4), 352–363. doi:10.1002/ab.21694
Journal Article	Thomas HJ, Connor JP, Lawrence DM, Hafekost JM, Zubrick SR & Scott JG . Prevalence and correlates of bullying victimisation and perpetration in nationally representative sample of Australian youth. <i>Australian and New Zealand Journal of Psychiatry</i> , (2017) doi: 10.1177/0004867417707819
Journal Article	Thomas HJ, Connor JP, Scott JG . Why do children and adolescents bully their peers?: A critical review of key theoretical frameworks. <i>Social Psychiatry and Psychiatric Epidemiology</i> , Nov 22. doi: 10.1007/s00127-017-1462-1. [Epub ahead of print]
Journal Article	Voisey J, Lawford B , Morris P et al. Epigenetic analysis confirms no accelerated brain aging in schizophrenia. <i>Schizophrenia</i> , (2017) 3 (26) doi:10.1038/s41537-017-0026-4.
Journal Article	Walker RM, Gillespie B M Keogh SJ, Thalib L, Higgins NS , & Whitty JA, Cochrane Database of Systematic Reviews, (2017) doi: 10.1002/14651858.CD011332.pub2
Journal Article	Wilson H & Magor-Blatch L. Apply what you know: Treating alcohol and drug problems. <i>InPsych</i> , (2017) 39(5) 8-11.
Journal Article	Wilson H , Palk G, Sheehan M, Wishart D & Watson B. Steering Clear of driving after drinking: a tailored e-health intervention for reducing repeat offending and modifying alcohol use in a high risk cohort. <i>International Journal of Behavioural Medicine</i> , (2017) 24, 694-702.
Journal Article	Ward W. The philosophy of anorexia. <i>New Philosopher</i> 2017, (18)

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Abstract	Boyle C & Hall K. Lived and learning: the growth of a co-facilitation education model. International Journal of Mental Health Nursing, (2017) 26(S1),4.
Abstract	Collyer B, Burrows D, Davies K & Chelemalashetty RJ. Medication safety – more than calculations: implementation of a mental health safety awareness tool (Poster). International Journal of Mental Health Nursing, (2017) 26(S1),8.
Abstract	Ewing J, Padilla M, Turrell P & Kusemamuriwo R. Olanzapine LAI and transition to GP Practices – A recovery model (Poster). International Journal of Mental Health Nursing, (2017) 26(S1),12.
Abstract	Hiscox C & Dart N. Security staff in a Queensland inpatient unit – promoting a safer environment (Poster). International Journal of Mental Health Nursing, (2017) 26(S1),22.
Abstract	Mitchell P, Frankland A, Roberts G, Holmes-Preston E, Perich T, Levy F, Lenroot R, Hadzi-Pavlovic D, Breakspear M , Fullerton J. Predicting conversion to bipolar disorder in a prospective longitudinal genetically high-risk sample. European Neuropsychopharmacology, (2017) 27:S516-S7.
Book	Mosley P, Smith D, Perry A, Silburn P, Coyne T, Breakspear M , editors. Predicting psychiatric symptoms after subthalamic deep brain stimulation for Parkinson's disease. 17th Quadrennial Meeting of the World Society for Stereotactic and Functional Neurosurgery; 2017: Karger.
Book Chapter	Scott JG , Hielscher E, & Nurcome B. Hallucinations. In R.G.R. Levesque (Ed) Encyclopedia of Adolescence. Springer International Publishing. doi: 10.1007/978-3-319-32132-5_374-2
Book Chapter	Scott JG , Ross C, Dorahy M, Read J, & Schäfer I. Childhood trauma in psychotic and dissociative disorders. In R.G.R Levesque (Ed) Encyclopedia of Adolescence. Springer International Publishing. doi: 10.1007/978-3-319-32132-5_374-2
Book Chapter	Newman M, Airey C, Blum S, Scott JG , Wong R, & Gillis D. Autoimmune Encephalitis: Clinical Features, Pathophysiology and Management. In A Minagar (Ed) Neuroinflammation (2nd Edition). Elsevier. (in press)
Book Chapter	Byrne GJ. Anxiety in Late Life. In H Chiu, K Shulman, D Ames (Eds) Mental Health and Illness of the Elderly. Singapore: Springer Nature. (2017) doi: 10.1007/978-981-10-0370-7_13-1
Book Chapter	Magis D, Gabrielli F, Roberts JA, Lisicki M, Breakspear M , Dallel R, D'Ostilio K, Schoenen J, Monconduit L. Electroencephalogram spectral bicoherence on resting phase: a potential reliable electrophysiological biomarker for migraine, p 67-68. SAGE London.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Anderson J, Mead L, Curtin G, Robinson G, Tay G, Higgins N & Burke A. Screening for OSA in inpatients with schizophrenia: a feasibility study. Sleep Down Under 2017, 29th ASM of Australasian Sleep Association and the Australasian Sleep Technologists Association, Auckland, New Zealand. 25–28 October 2017
Oral Presentation	Alexandrou E, Ray-Barruel G, Carr P, Frost S, Inwood S, Higgins, N , Francis, L, Alberto, L, Mermel, L & Rickard C. Worldwide Variations in Peripheral Intravenous Catheter Insertion and Management Policies: Survey Results from the One Million Global Catheters Study. AVA 2017 Annual Scientific Meeting. Phoenix, Arizona, September 16th-19th 2017.
Poster	Bennett E. Ante and post natal mental illness and support' Child protection Symposium, Brisbane. November 2nd 2017
Oral	Boyle C & Hall K. Lived and learning: the growth of a co-facilitation education model. International Journal of Mental Health Nursing, ACMHN 43rd International Mental Health Nursing Conference; Hotel Grand Chancellor, Hobart, October 25-27 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	Breakspear M Brain Network Disturbances in Affective Disorders. RANZCP Congress: 'Speaking our Minds. Telling our stories', Adelaide Convention Centre, Adelaide. 2017
Oral invited	Breakspear M Brain Network Disturbances in Affective Disorders, Brain and Mind Centre Research Committee Monthly Seminar Series, University of Sydney,
Oral Invited	Breakspear M Brain Network Theory, Computational and Cognitive Neuroscience New York University Shanghai Summer School, Shanghai, China
Oral Invited	Breakspear M Brain Waves: Mechanisms of Metastable Cortical Dynamics. Keystone Symposia on Molecular and Cellular Biology, Santa Fe, USA
Oral Invited	Breakspear M How to publish as an early career researcher, Organisation of Human Brain Mapping (OHBM 2017), Vancouver, Canada
Oral Invited	Breakspear M Neurotechnologies in the ABA. Australian Brain Alliance, Brains at the Dome, Canberra
Oral Invited	Breakspear M Neurotechnologies in the ABA . Australian Brain Alliance April 2017 Workshop. Melbourne Brain Centre.
Chairperson	Breakspear M Neuroengineering Australia's future economic prosperity. Australian Brain Alliance April 2017 Workshop. Melbourne Brain Centre
Oral Invited	Breakspear M Prospective Imaging Study of Ageing: Genes, Brain and Behaviour, National Institute for Dementia Research, Australian Dementia Forum 2017, Melbourne
Oral Invited	Breakspear M The brain is a network: Defining neuroinflammation in major mental illness using blood. Clinical Neuropsychiatry in the 21st Century – New Developments, New Challenges. University of New South Wales
Oral Invited	Breakspear M The phase transition theory of schizophrenia, Brain Modes 2017, Manesar, India
Oral Invited	Breakspear M The phase transition theory of schizophrenia, STAR seminar series, National University Singapore
Oral Invited	Breakspear M Volatility Theory of Schizophrenia. Brain Connectivity Workshop (BCW 2017), Zurich, Switzerland
Poster	Collyer B, Burrows D, Davies K & Chelemalashetty RJ , (2017). Medication safety – more than calculations: implementation of a mental health safety awareness tool. ACMHN 43rd International Mental Health Nursing Conference, Hotel Grand Chancellor, Hobart, October 25-27 2017.
	Durant L & Daglish M (2017) 10 years of learnings: Operating smoke-free environments in drug and alcohol treatment facilities. Walk on the Wild Side (WOWS) 10: Diversity Symposium; RBWH Education Centre, Brisbane (12/05/2017) .
Invited Plenary	Erskine H & Scott JG (2017). The Global Burden of ADHD and a Meta-Analysis of Long-term Outcomes, Sharing Insights in ADHD Conference, Melbourne (27/05/2017)
Poster	Erskine H & Scott J (2017). Bridging the translational gap between the Global Burden of Disease Project and Clinical Practice. Unpacking GBD Workshop, Brisbane (17/02/2017)
Poster	Ewing J, Padilla M, Turrell P & Kusemamuriwo R . (2017). Olanzapine LAI and transition to GP Practices – A recovery model. ACMHN 43rd International Mental Health Nursing Conference; Hotel Grand Chancellor, Hobart, October 25-27.
Oral	Flaws D Development and impact of the EDAC Score and 2h accelerated diagnostic protocol - Australian Society of Medical Research (ASMR), Brisbane 2017
Oral	Flaws D & Nitz M Depression, Delirium and Dementia - Aged Care Conference, RBWH 2017
Oral	Flaws D Predicting Delirium - Older Person's Mental Health Conference, RBWH 2017
	Flaws D Predicting Delirium - TPC Research Day , The Prince Charles Hospital, Brisbane 2017
Oral invited	Heffernan, E. (2017) Disaster Plenary. Australian and New Zealand Intensive Care Society/ Australian College of Critical Care Nurses. Gold Coast.
Poster	Herrin M, Cassidy J, Jeffrey S, Graves L & Bunnell D . Optimizing the Dietitian's Role in Multidiscipline Treatment. ICED Program. Prague, Czech Republic, June 8th- 10th, 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	Hielscher E, Connell M , Lawrence D, Zubrick S, Hafekost J, Scott JG . (2017). Association between psychotic experiences and non-accidental self-injury: Results from the second Australian Child and Adolescent Survey of Mental Health and Wellbeing. The 16th Congress of the International Federation of Psychiatric Epidemiology (IFPE)19/10/17
Poster	Hielscher E , Whitford T, Scott JG , Zopf R. When the body is the target – the role of body representations in non-accidental self-injury: A systematic review. Science of the Self International Research Forum, Sydney 20/11/17.
Poster	Hiscox C & Dart N . (2017). Security staff in a Queensland inpatient unit – promoting a safer environment (Poster). International Journal of Mental Health Nursing, 26(S1),22.
Poster Presentation	Jeffrey S, Patterson S , Rocks T & Wright H. A conservative refeeding approach in female inpatients with restrictive eating disorders is not protective of refeeding syndrome. ICED Program. Prague, Czech Republic, June 8th – 10th 2017.
Oral	Kinner S, Clugston B, Davidson F, Perrin M & Heffernan E Mapping the scope and character of prison mental health services in Australia: A national benchmarking project. Royal Australian and New Zealand College of Psychiatrists Faculty Forensic Psychiatry Conference, Vancouver. 31 August 2017.
Oral	Kovacevic, V . (2017) Breaking with tradition - senior mental health clinicians as expert witnesses in Magistrate Courts. Royal Australian and New Zealand College of Psychiatrists Faculty Forensic Psychiatry Conference, 31 August. Vancouver.
Oral	Massey D, Burns J, Higgins N , Weeks B, Shuker M, Coyne E, Mitchell M & Johnston ANB. (2017) Enhancing utility and student engagement with OSCEs: Making change happen through innovative student support processes. Australian College of Nursing National Nursing Forum. Sydney, August 21st – 23rd 2017.
Oral	Mitchell M . No idle threat: Precursors to action in threateners with mental disorders. International Association of Forensic Mental Health Services 2017, 14 June. Croatia.
Workshop/Oral	Mitchell M . Threats of Violence in a Threatening World: Practical Guidelines for Threat Assessment and Threat Management. Australian and New Zealand Association for Psychiatry, Psychology and Law Conference, Perth, Australia. 22 November 2017,
Oral	Pittard J, Functional approaches to treatment within an eating disorders day program. Occupational Therapy Australia National Conference 2017.
Oral	Mitchell M . Threats of Violence and Mental Illness: Types of threats, the Characteristics of Threateners and Risk Factors for Threat- Related Violence. Australian and New Zealand Association for Psychiatry, Psychology and Law ConferencePerth, Australia. , 25 November 2017,
Oral	Perdacher E . Stay Strong Custody Project: culturally safe e-mental health tools in prison. Australian and New Zealand Association of Psychiatry, Psychology and Law Annual Congress, Perth. 25 November 2017.
Oral- International conference	Scott JG , Abajobir A, Kisely S & Najman J. Childhood Maltreatment and psychosis outcomes in young adults Royal Australian and New Zealand College of Psychiatrists (RANZCP) 2017 Congress, Adelaide. 2/5/17
Oral- International conference	Scott JG, Connell M , Betts K, Alati R, Najman J, Clavarino A, Mamun A, Williams G, McGrath JJ. (2017). Hallucinations in Adolescents and Risk of Mental Disorders and Psychosocial Impairment in Adulthood: a Birth Cohort Study 16th International Congress on Schizophrenia Research (ICOSR), San Diego, United States. 26/3/17
Oral- International conference	Scott JG , Pedersen M, Erskine HE, Bikic A, Demontis D, McGrath JJ & Dalsgaard S Mortality in children and adolescents with disruptive behavioural disorders- a nationwide cohort study. The 16th Congress of the International Federation of Psychiatric Epidemiology (IFPE). (Invited Oral Presentation and Symposium Chair) 19/10/17
Oral- International conference	Thomas HJ, Connor JP, Scott JG . Prevalence and clinical correlates of bullying experiences in Australian adolescents. The 16th Congress of the International Federation of Psychiatric Epidemiology (IFPE), Melbourne. 19/10/2017
Oral invited	Scott JG . Against all odds. Office of National Assessments, Canberra 4/5/17
Oral Invited	Scott JG . Antipsychotics in the management of young people with psychosis. Keynote Lecture: Servier Educational Meeting Brisbane. 22/4/17

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Scott JG. (2017). Are Childhood and Adult ADHD the same disorders? Evidence for De Novo ADHD in adults. Inaugural Australian ADHD Professionals Association, Melbourne. (Plenary Speaker), 29/07/2017
Oral	Scott JG. (2017). Beyond relapse prevention. Psychosocial interventions for early psychosis. Keynote Presentation; Symposium for supporting patients and families living with psychosis Seoul, South Korea (13/5/17)
Oral invited	Scott JG. (2017). Clinical use of new antipsychotic agents in the management of young people with psychosis. Otsuka Educational Meeting, Perth (7/2/2017)
Oral invited	Scott JG. (2017). Improving the quality of life in early psychosis. Asan Medical Centre, Seoul South Korea (11/5/17)
Oral invited	Scott JG. (2017). The assessment and management of psychosis in adolescents. Invited Webinar Workshop for Far North Queensland Child and Youth Mental Health Services (24/2/17)
Oral Invited	Scott JG J. (2017). The management of first episode psychosis in adolescents and young adults. Keynote Presentation Monash Health Mental Health Service Annual Medical Staff Dinner, Melbourne (18/7/2017)
Oral Invited	Scott JG. (2017). Preventing mental illness: What can be done? The University of Queensland Health Matters Lecture Series, Brisbane (23/5/2017)
Oral Invited	Scott JG. (2017). Psychopharmacology in early psychosis. Otsuka Educational Meeting for Psychiatrists Daegu, South Korea (12/5/17)
Oral Invited	Scott JG & Sohal, R. (2017). Management of ADHD in Adults. Royal Brisbane and Women's Hospital Grand Rounds (24/7/2017)
Oral	Thomas HJ, Connor JP, Scott JG. Bullying behaviour in Australian youth: How common and what are the mental health risks? Australian Society for Medical Research: Queensland Branch Postgraduate Student Conference, Brisbane 1/06/2017
Oral	Thomas HJ, Connor JP, Scott JG. (2017). Understanding why children and adolescents bully their peers. Society for Mental Health Research Conference, Canberra (Symposium Chair & Oral Presentation), 8/12/2017
Oral	Thomas HJ, Connor JP & Scott JG. Prevalence and clinical correlates of bullying experiences in Australian adolescents. The 16th Congress of the International Federation of Psychiatric Epidemiology (IFPE), Melbourne. 19/10/2017
Oral	Vallelonga E & Barnett H. Stepping On - Building confidence and reducing falls. Tri-Nations Falls Forum. Brisbane, September 2017.
Poster Presentation	Vallelonga E & Darbyshire C. A sensorimotor group for older adults. Older Persons' Mental Health Statewide Symposium. Brisbane, August 25th 2017.
Oral Invited	D'Emden H, Uhlmann C, Ward W. Managing Eating Disorders and Diabetes (Workshop) (2017) ADS & ADEA Annual Scientific Meeting, Perth.
Oral	Gardiner C. The Challenges of Nutritional Management of Acute Eating Disorder Patients in General Medical Setting. Australia and New Zealand Academy for Eating Disorders 2017 Conference. Sydney.
Oral	Pittard J. Functional approaches to treatment within an eating disorders day program. Occupational Therapy Australia National Conference 2017. Perth.
Oral Invited (workshop)	Roberts S, Ward W, Huppert M. Eating Disorders in the Peripartum and impact on Infant Mental Health and Feeding (Workshop) 2017 Australasian Marcé Society for Perinatal Mental Health 2017 Conference, Brisbane.
Oral	Heffernan, E., Waterson, E., Fitzgerald, B. Mental Health Court Liaison Service. State-wide Magistrates Court Conference.. Brisbane. 31 March 2017.
Oral	Hamilton, B. (2017). Mental Health Court Liaison Service. State-wide Officer in Charge of Police Prosecutors conference. Brisbane. 10 November 2017.
Oral	Fleming C. Family Centred Practices in Healthcare: An EDOS Exemplar. Invited presentation. Collaboration for Allied Health, Research, Learning and Innovation (CAHRLI) Symposium. Brisbane.
Keynote Oral	Ward W. Reconfiguring general health services to meet the needs of adults with anorexia nervosa. NSW Eating Disorder Statewide Forum, Sydney.

Other communications and outputs:

Media Activity

Oct 10, 2017, “World Mental Health Day’ - Brothers Reid arrived back at QIMR Berghofer after 2.5 years travelling around the world on motorbikes to raise money for depression. Story featured on Channel 10 News Brisbane, Sky News Australia, The Courier Mail, The Herald Sun, Brisbane Times, News.com.au, ABC Radio Breakfast Show, Radio 4BC Drive program, Westender Magazine and Cosmos Magazine

Dec 10, 2017 “Australian researchers have embarked on a study that could detect Alzheimer’s disease” – Story featured on Channel 9 National Nine News in Perth, Melbourne, Sydney, Adelaide, Brisbane and NBN Lismore, Central Coast Gosford, Newcastle, Coffs Harbour, Tamworth, Gold Coast, and 9News.com.au. Story ran on a Sunday night which is the biggest TV news night of the week and reached an audience of more than 1.6 million viewers.

Davis A, Jeffrey S. Renourishing the Undernourished patient. Australian and New Zealand Academy of Eating Disorders Autumn Workshop Series. Noosa.

Davis A. Niven H. Improving quality of QuEDS-CS to public hospital dietitians. Quality Activity. University of Queensland and Metro North Hospital and Health Service. Brisbane.

Fleming C. Engaging with and attending to the needs of families of people with eating disorders: Family Inclusive Practice. ‘And Family’ Month Program. Caboolture Hospital Education and Skills Centre. Brisbane.

Fleming C, Marsland E. Cognitive Behaviour Therapy for Eating Disorders. Training Program. Queensland University of Technology. Brisbane.

Heffernan E. (2017) Murder, Madness and Rights. Royal Australian and New Zealand College of Psychiatrists – Bostock Oration, 22 August 2017. Brisbane [Invited presentation]

Heffernan E. (2017) Substance use disorders among Aboriginal and Torres Strait Islander People in custody: a public health opportunity. InSight Seminar Series. Brisbane [Invited presentation]

Higgins N. (2017) Implementation of Safewards across three inpatient units. Insight and APSAD Seminar Series, Biala City Community Health Centre [Brisbane 24 April.

Meurk C. (2017) What do you want to know? Qualitative and quantitative research approaches. Queensland Emergency Research Collaborative (QERC) meeting – Emergency Medicine Foundation, 5 October. Brisbane. [Invited presentation]

Meurk C. (2017) Partners in Prevention: Understanding and Enhancing First Responses to Suicide Crisis Situations. safeTALK: Suicide Prevention for Everyone Forum and Workshop, CQ University. 15 November. Brisbane. [Invited presentation]

Meurk C. (2017) Partners in Prevention: Understanding and Enhancing First Responses to Suicide Crisis Situations. University of Melbourne, Centre for Mental Health, Seminar Series. 26 October. Melbourne. [Guest presentation]

Mitchell M (2017). Mental Disorder and Threats of Violence: Identifying Risk Factors. University College of London, Institute of Security and Crime Science, 7th June 2017, London. [Guest presentation]

Ward W. Training Workshop for Medical Practitioners. Centre for Integrative Health, Brisbane.

Ward W, Bowden T. Assessment and Management of people with comorbid Diabetes and Eating Disorders. Presentation to the Mental Health Professionals Network. Brisbane.

Ward W, Mulvey B, Adam B. Inpatient Management of People with Eating Disorders (Workshop) Center for Eating and Dieting Disorders, Sydney.

Ward W, Scholey S. Inpatient management of eating disorders (workshop). Australian and New Zealand Academy of Eating Disorders Autumn Workshop Series. Noosa.

NURSING AND MIDWIFERY SERVICES



NURSING AND MIDWIFERY SERVICES



ADJ. PROF. ALANNA GEARY
Executive Director
Nursing and Midwifery Services
MNHHS

*Nursing and
Midwifery Services
is committed to
supporting nurses
and midwives to
become research
active*

Nursing and Midwifery Services is committed to supporting nurses and midwives to become research active. This includes promoting the use of best evidence in practice, supporting attendance at research or evidence based practice workshops, facilitating data collection, undertaking research higher degrees, leading local research studies, collaborating with other institutions in multi-site trials, establishing research positions and/or portfolios, or publishing results of completed studies. This year we have, again, had some outstanding outcomes, providing evidence that this commitment is extremely worthwhile. In 2017 we have had a record number of publications (32); a total of 19 higher degree students were supervised by our professorial staff; three nurses accepted RBWH research scholarships; four received RBWH project grants; one secured a post-doc fellowship grant; and we received competitive funding for 12 new studies. We have also attracted a number of new Honorary Research Fellows; academics who not only assist with our trials but also contribute to the development of research skills amongst our staff.

Last year we began negotiations with Griffith University to establish a new, joint senior research fellow position, which was to focus on vascular access teaching and research. I am delighted to report that negotiations were successful and the five-year position was filled in September. The incumbent, has a strong track record in vascular access research and already has a number projects in progress or in the planning stage. As with all of the studies conducted by our research staff, the primary aim of these projects is to improve patient outcomes.

One further initiative established in 2017 was the launch of a 'drop-in' research support space. Whether the problem is brainstorming a research idea, developing data entry and analysis skills, understanding how to publish a paper, or any associated research-related issue; nurses and midwives now have access to one-to-one mentorship with an experienced researcher. We will continue to grow this service and our ability to enhance the skills and expertise of our nurses and midwives.

With all the systems in place to facilitate ongoing research efforts, I look forward to another successful year in 2018.

NURSING & MIDWIFERY RESEARCH CENTRE

About this service

The Nursing & Midwifery Research Centre has developed an internationally recognised, investigator-initiated research program generating best evidence to improve patient outcomes by investigating cost-effective and clinically effective healthcare interventions. Success is achieved through close collaboration with other RBWH staff, with our partners at a number of universities, and with a wide range of other national and international health care facilities. We also have a strong focus on developing research skills amongst nurses and midwives. This is demonstrated through our supervision of higher degree students, our evidence based practice program, our commitment to employing RBWH nurses and midwives as research staff and our 'open door' policy for research advice, support and assistance.

Highlights of 2017

One of the ongoing programs for nursing research is intravenous access led by Professor Joan Webster at the RBWH for the AVATAR Group. For example, our NHMRC funded RCT, the RSVP trial, which compared 4-day with 7-day administration set changes was completed; we also conducted a prospective cohort study of 1,000 patients with a peripheral line to identify the incidence of complications and their associated risk factors; a pilot RCT comparing outcomes by an expert IV inserter compared with otherwise credentialed staff; and several smaller pilot studies. Our NHMRC funded, 4-site RCT (the PISCES trial), investigating securement dressing and devices to prevent central line catheter failure continues, as does a number of smaller IV-related projects. We also completed a second year of our 4-year NHMRC funded RCT (the DRESSING trial); which is the world's largest investigation into the effectiveness of negative pressure wound therapy.

Led by Professor Fiona Coyer a further area of nursing research continues to be skin integrity management in critically ill patients. The SUSTAIN study; a major study translating best-available pressure injury (PI) prevention strategies into the intensive care environment was completed. This study used a translational research model to assess barriers and enablers to PI prevention practices in the ICU. A number of strategies were then implemented to monitor their effectiveness through weekly patient skin integrity audits. Results showed reduction of PI in the ICU from 16% in the start of the study to 9% at completion. QBA data this October reported our ICU PI prevalence at just over 4%; a significant achievement.

Stroke rehabilitation has been the focus of Professor Theresa Green's research in 2017. The quantitative component of the BEEPRs study was completed, which was a MNHHS-study examining inpatient and outpatient rehabilitation services for patients and families living with stroke. The qualitative component will be completed early in 2018. A study that began late in 2017 will also examine post-stroke rehabilitation, with a focus on the effect of low intensity exercise on the expression of a neuroprotective peptide found in the brain post-stroke. The impact of a NP-led stroke clinic will be the focus of ongoing research heading into 2018.

Our success is evidenced by our high publication record, a combined output of 29 papers, two book chapters and one international report.



Nursing Research Group

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Hajar Alasmari	PhD, Queensland University of Technology (2012-2017)	Examining Intensive Care Nurses' Clinical decision-making associated with acute kidney injury and continuous renal replacement therapy in Saudi Arabia	Prof Ann Bonner, Prof Fiona Coyer
Sonia Hines	PhD, Queensland University of Technology	An educational intervention to improve nurses' research literacy	Prof Joe Ramsbotham, Prof Fiona Coyer
Sandra Johnston	PhD, Queensland University of Technology (2013-2020)	Effectiveness of high fidelity simulation as a teaching tool in undergraduate nursing education	Prof Fiona Coyer , Prof Robyn Nash
Samantha Yeates	Masters of Applied Science (Research), Queensland University of Technology (2017 only – withdrew)	Exploring tissue perfusion and healing trajectory of medical-device related pressure injuries	Prof Fiona Coyer , Kathleen Finlayson, Jill Campbell
Lizanne Dalglish	PhD, Queensland University of Technology (2017-2020)	The role of microcirculatory dysfunction and skin breakdown in the critically ill.	Prof Fiona Coyer , Dr Jill Campbell , Dr Kathy Finlayson, Prof Andra VanZundert
Adrianna Hada	PhD, Queensland University of Technology (2015-2021)	Transforming patient outcomes through improved and effective nursing clinical handover	Prof Fiona Coyer , Dr Leanne Jack
Paul Jarrett	PhD, Queensland University of Technology (2015-2021)	Administration of antibiotics in the intensive care unit	Prof Fiona Coyer , Assoc Prof Martin Christensen, Prof Jason Roberts
Priscilla Pather	Masters of Applied Science (Research), Queensland University of Technology (2014-2017)	The incidence and measurement of incontinence associated dermatitis in the intensive care environment	Prof Fiona Coyer , Dr Leanne Jack
Hannauh Rheault	Doctor Health Science, Queensland University of Technology (2014-2019)	Examining the health literacy and chronic disease self-management of remote Aboriginal Australians: A mixed method study	Prof Ann Bonner, Prof Fiona Coyer
Leanne Stone	Doctor Health Science, Queensland University of Technology (2014-2019)	Comparing "Magnet" attributes in nursing between Australia and the United States	Prof Alexandra McCarthy, Prof Fiona Coyer
Bryan Gregory	Masters of Applied Science (Research), Queensland University of Technology (2016-2019)	The effects of continuous renal replacement therapy and sustained low-efficiency dialysis on immunosuppressive drug levels in critically ill patients with acute kidney injury	Prof Fiona Coyer , Prof Jason Roberts, Prof Ann Bonner
Jessica Ingleman	Masters of Applied Science (Research), Queensland University of Technology (2016-2019)	Exploring tissue reperfusion in two body positions and varied load periods in critically ill patients (EXTREME 2 pressure study)	Prof Fiona Coyer , Dr Christina Parker
David McIntyre	Masters of Applied Science (Research), Queensland University of Technology (2016-2019)	Developing and validating haemodialysis nurse-sensitive indicators	Prof Ann Bonner, Prof Fiona Coyer

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Cheryl Blaber	Masters of Applied Science (Research), Queensland University of Technology	The assessment and management of pain and suffering in persons with cognitive impairment approaching the end of life as inpatients within an acute tertiary facility	Prof Theresa Green , Assoc Prof John Rosenberg, Assoc Prof Jenny Fox
Pauline Nicholas	Masters of Applied Science (Research), Queensland University of Technology	Using brain training to improve cognition of patients on dialysis	Prof Ann Bonner , Prof Theresa Green
Hue Thi Hoang	Masters of Nursing (QUT)	What is the impact of gender on awareness of stroke symptoms and responses related to access to emergency stroke care services among Chinese patients with acute stroke?	Prof Theresa Green
Lan Van Huong	Doctor of Philosophy (QUT)	Exploring of family support for people receiving haemodialysis therapy in Vietnam	Prof Ann Bonner, Prof Theresa Green
Tain Lloyd	Masters of Applied Science (Research) QUT	Investigation of Chronic Kidney Disease and Stroke	Prof Ann Bonner, Prof Theresa Green , Assoc Prof Louise Purtell
Nicole Marsh	PhD, Griffith University (2015-2018)	Prevention of peripheral venous catheter failure	Prof Claire Rickard, Prof Joan Webster , Marie Cooke

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Nicole Marsh	Research Fellow (RBWH and Griffith University)	Numerous IV access trials	Griffith University (2007 – present)
Emily Larsen	Project Manager/Honorary Research Fellow	Numerous IV access trials	Griffith University (2012 – present)
Julie Flynn	Project Manager	Numerous IV access trials	Griffith University (2011 – present)
Claire Rickard	Honorary Research Fellow	Numerous IV access trials	Griffith University (2007 – present)
Amy Spooner	Honorary Research Fellow	Cancer Care Research	QUT (2017-2020)
Amanda Ullman	Honorary Research Fellow	Numerous IV access trials	Griffith University (2014 – present)
Anne Bonner	Honorary Research Fellow	No current active projects with Nursing Services	QUT 2011 – present)
Jo Wu	Honorary Research Fellow	Cardiac research	University of Sunshine Coast (2017-2020)
Samantha Keogh	Honorary Research Fellow	Optimising PIVC patency through implementation of best flushing practice	Griffith University (2011 – present)
Caroline Shelverton	Honorary Research Fellow	STEP WEDGE trial	Griffith University (2016 – present)
Amanda Corley	Honorary Research Fellow	Critical Care Research	Griffith University (2017-2020)
Carol Reid	Honorary Research Fellow	No current active projects with Nursing Services	Griffith University (2013 – present)

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Gillian Ray-Barruel	Honorary Research Fellow	I-Decided: A clinical decision-making tool for intravenous catheter assessment and safe removal	Griffith University (2015 – present)
Carol Windsor	Honorary Research Fellow	No current active projects with Nursing Services	QUT (2016 – present)
Monica Stankiewicz	Honorary Research Fellow	No current active projects with Nursing Services	Redcliffe Hospital (2014 – present)
Raymond Chan	Honorary Research Fellow	Nurse Navigator project	QUT/Metro North (2015 – present)
Sonya Osborne	Honorary Research Fellow	Nursing assessment project	QUT (2016 – present)
Kimberly Alexander	Honorary Research Fellow	No current active projects with Nursing Services	QUT (2015 – present)
Karen Ousey	Adjunct Associate Professor	Skin perfusion and microcirculation in critically ill patients	QUT (2015-2017)
Theresa Green	Visiting Research Fellow Fellow of the American Heart Association	Neurology/Neurosurgical Nursing Research	Gold Coast University Hospital (2017-2020) AHA (2017 - present)
Jessica Ingleman	Project Manager	The effect of time spent in a position on critically ill patient's skin: the EXTREME pressure 2 study. Extreme pressure study: exploring pressures, tissue reperfusion and body positioning – a pilot evaluation among critically ill patients.	QUT (2014-2018)
Jane-Louise Cook	Project Manager	Efficacy of nasogastric and endotracheal tube securement devices, preventative dressings and topical skin applications for reducing device-related pressure injuries in intensive care patients; the REMEDy study, a randomised controlled trial. Translating evidenced-based pressure injury prevention into the intensive care environment: the SUSTAIN trial	QUT (2014-2018)
Anna Doubrovsky	Project Manager	Efficacy of Incontinence-Associated Dermatitis interventions for critically ill patients in intensive care; the Distinct pilot randomised control trial.	QUT (2016-2018)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Theresa Green	Ms Tara Hormann Dr Tony Parker Dr Jonathon Peake A/Prof Gregory Bix	Characteristics of physical activity required to elevate circulating neuroprotective LG3 peptide as a novel stroke therapy.
Theresa Green	Dr. Andrew Wong, Dr. Anna Farrell, Ms. Tara Hormann, Dr. Bernd Ploderer	An image-based tablet app to support communication of daily activity scheduling between patients with post-stroke aphasia, family and hospital staff
Theresa Green	Ms Jennifer Mueller, Dr. Andrew Wong, Ms. Sandy Jamieson	Post-acute NP-led stroke service delivery model: managing residual neurological issues and multiple chronic conditions post-stroke

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Fiona Coyer	Amanda Vann, Jane-Louise Cook, Nicola Barker-Gregory	Efficacy of nasogastric and endotracheal tube securement devices, preventative dressings and topical skin applications for reducing device-related pressure injuries in intensive care patients; the REMEDy study, a randomised controlled trial.
Fiona Coyer	Anthony Holley, Peter Thomas, Christina Parker, Anna Doubrovsky, Chris Edwards, Jessica Ingleman	The effect of time spent in a position on critically ill patient's skin: the EXTREME pressure 2 study.
Fiona Coyer	Jill Campbell, Amanda Vann Greg McNamara, Jane-Louise Cook	Translating evidenced-based pressure injury prevention into the intensive care environment; the SUSTAIN study.
Fiona Coyer	Jill Campbell, Anna Doubrovsky	Efficacy of incontinence-associated dermatitis interventions for critically ill patients in intensive care; the Distinct pilot randomised control trial
Fiona Coyer	Kerri Coleman, Alison Mudge Helen Edwards, Patricia Sinasac, Kathleen Finlayson, C Parker, Jessica Schluter	Reducing the prevalence and severity of wounds through implementation of the Champions for Skin Integrity Model – Protecting Skin Integrity (PSI)
Fiona Coyer	Anne Gardner Glenn Gardner Helen Gosby	Educating for health service reform: clinical learning, governance, and capability
Nicole Marsh	Joan Webster, Emily Larsen, C Cadigan, Marie Cooke, Claire Rickard	RELIABLE Trial (RELIable Intravenous Access By Line Experts)
Emily Larsen	Nicole Marsh, Nicole Gavin, Julie Flynn, Joan Webster	Cancer caRE: The risk factors of venous access failure (CareTAKER study)
Nicole Marsh	Joan Webster, Marie Cooke, Claire Rickard	REplacing Peripheral Intravenous Catheters (REPLACE study).
Joan Webster	Emily Larsen, Nicole Marsh, Catriona Booker, Janelle Laws	Prophylactic insertion of large bore peripheral intravenous catheters in maternity patients for postpartum haemorrhage: A cohort study
Joan Webster	Sarah Northfield, Emily Larsen, Nicole Marsh, Claire Rickard, Raymond Chan	Insertion site assessment of peripherally inserted central catheters: Inter-observer agreement between nurses and patients.
Joan Webster	Paul Scuffham, Monica Stankiewicz, Wendy Chaboyer	Negative pressure wound therapy for surgical wounds healing by primary closure

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Rohan Grimley (Nambour Hospital)	Theresa Green (Internal Medicine)Ingrid Rosbergen (RBWH)Dr Suzanne KeysDr Louise GustafssonDr Eleanor HortonDr Benjamin ChenGreg Cadigan (Health Improvement Unit)	Building efficient and equitable pathways to and through rehabilitation in stroke
Alison Mudge	Adrian Barnett, Merrilyn Banks,Ruth Hubbard, Prof Nick Graves,Dr Nancye Peel, Assoc Prof Kwang Lim, Dr Irene Blackberry, Prof Theresa Green , Prue McRaeJessica Suna, Adrienne Young	Collaborative for Hospitalised Elders: Reducing the Impact of Stays in Hospital
Anna Grant	Prof Fiona Coyer	Contextual barriers and facilitators to research utilisation and evidence based practice in intensive care – The COFACTOR Study
Veeranjit Singh	Prof Fiona Coyer Johnathan Collins	Audit of pressure injury development in critically ill patients with C-spine precautions – (InSPECT)
Jennifer Paratz (GU)	Comans T, Geoff Mitchell Robert Boots (intensive Care Services Prof Fiona Coyer (Intensive Care Services) Peter Thomas (Physiotherapy)	Improving outcome in sepsis
Neha Kumta (UQ)	Prof Fiona Coyer (Intensive Care Services), Lizanne Dalgleish (QUT)	Audit of peri-operative factors associated with pressure injury development in post-surgical ICU patients – (PREDICT)
Julian de Looze (RBWH)	Charles Denaro, Keshwar Babool, Alison Mudge, Jeffrey Lipman, Robyn Fox , Joan Webster , Thea-Grace Collier, Peter Buttrum,Peter Thomas, Mary Fenn	Patients of concern at the RBWH – a prospective cohort study to define patient outcomes and risk of clinical deterioration
Gillespie B, (Griffith)	Webster J , Elwood D, Whitty J, Thalib L, & Cullum N, Chaboyer W	ADding negative pRESSure to improve healing (the DRESSING trial. National Health and Medical Research Council
Rickard C, (Griffith)	Marsh N , Gavin N, Ware R, Ullman A, Fraser J, Lawley M	Clinical Registry Partnership-Developing a central venous access device registry as a research and health improvement platform.
Ullman AJ, (Griffith)	Marsh N , Mihala G, O’Leary K, Rickard C	Skin Care Project
Rickard C, (Griffith)	Larsen E , Marsh N , McCarthy A, Kleidon P, Zhang L, Ullman A, Edwards R	Controlling device Occlusion and infection by ConnectOr design And decontamination (The COCOA pilot trial)
Rickard CM, (Griffith)	Marsh N , Ullman AJ, Kleidon T,	Secure My Intravascular Line Effectively (SMILE).

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Rickard CM, (Griffith)	Zhang L, Marsh N , Ullman A, Kleidon T, Cooke M, McCarthy A, Mollee P, Mervin C, Playford G	To establish a Platform for RCTs of needleless connectors.
Castillo I (Griffith)	Marsh N , Rickard CM, Carr P, Jackson G, Cooke M, Wallis M	Integrated versus nOn-integrated Peripheral inTravenous catheter. Which Is the most clinical and cost-effective system for peripheral intravenoUs catheter Management? (The OPTIMUM trial).
Rickard C (Griffith)	Marsh N, Webster J, Gavin N , Chan R, McCarthy A, Mollee P, Kleidon T, Chopra V, Zhang L, McGrail M, Larsen E, Choudhury Md.	Peripherally InSerted CEntral catheter dressing and Securement in cancer patients: the PISCES Trial. Protocol for a 2x2 factorial, superiority randomised controlled trial
Zhang L (Griffith)	Rickard C, Cooke M, , Webster J, Marsh N , Mollee P, McCarthy A, Keogh S, Mervin C	Prevention of central venous catheter infection and occlusion by needleless connector design and disinfection in haematology-oncology patients.
Kildea S (UQ)	Martensson L, Stapleton H, Homer C, Webster J , Beckman M	ICARIS Trial: Impact on CAesarean section Rates following Injections of Sterile water
Zena Moore	Joan Webster	Dressings and topical agents for the prevention of pressure ulcers

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Nicole Marsh	Travel Bursary – Alliance for Vascular Access Teaching and Research Group	Australian Vascular Access Scientific Meeting
Fiona Coyer	EPUAP and 3M Pressure Ulcer Prevention Innovation Conference presentation award	European Pressure Ulcer Advisory Panel conference Belfast, September 2017

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Prof Theresa Green Ms Tara Hormann (Stroke) Dr Tony Parker (QUT), Dr Jonathon Peake (QUT), A/Prof Gregory Bix (USA)	Department of Internal Medicine	Characteristics of physical activity required to elevate circulating neuroprotective LG3 peptide as a novel stroke therapy.	RBWH Foundation	\$40,000	\$40,000 (2017-18)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Prof Theresa Green, Dr. Andrew Wong, Ms. Sandy Jamieson	Department of Internal Medicine	Post-acute NP- led stroke service delivery model: managing residual neurological issues and multiple chronic conditions post- stroke	QUT Pilot Grant Funding	\$25,000	\$25,000 (2017)
Fiona Coyer, Jane-Louise Cook, Amanda Vann, Nicola Barker- Gregory	Intensive Care Services Department	Efficacy of nasogastric and endotracheal tube securement devices, preventative dressings and topical skin applications for reducing device- related pressure injuries in intensive care patients; the REMEDy study, a randomised controlled trial.	Wound Management Innovation Centre for Research Collaboration	\$51,509	\$299,000 (2015- 2018)
Coyer F, Edwards H, Coleman K, Sinascac P, Finlayson K, Parker C, Schluter J, Mudge A.	Intensive Care Services Department	Reducing the prevalence and severity of wounds through implementation of the Champions for Skin Integrity Model – Protecting Skin Integrity (PSI).	Health Innovation, Investment and Research Office (HIRRO), Queensland Health.	\$120,000	\$120,000 (2017)
Coyer F, Campbell J, Doubrovsky A.	Intensive Care Services Department	Efficacy of Incontinence- Associated Dermatitis interventions for critically ill patients in intensive care; the Distinct pilot randomised control trial.	3M	\$158,562	\$158,562 (2017- 2018)
Marsh N, Webster J, Cooke M, Rickard C,	Nursing & Midwifery Research Centre	RELIABLE Trial (RELIable Intravenous Access By Line Experts)	RBWH Foundation	\$40,000	\$40,000 (2017)
Julian de Looze, Charles Denaro, Keshwar Babool, Alison Mudge, Jeffrey Lipman, Robyn Fox, Joan Webster, Thea- Grace Collier, Peter Buttrum, Peter Thomas, Mary Fenn	Nursing & Midwifery Research Centre	Patients of concern at the RBWH – a prospective cohort study to define patient outcomes and risk of clinical deterioration	RBWH Foundation	\$40,000	\$40,000 (2017- 2018)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Rickard C, Ware R, Ullman A, Marsh N , Gavin N, Fraser J, Lawley M	Nursing & Midwifery Research Centre	Clinical Registry Partnership- Developing a central venous access device registry as a research and health improvement platform	Menzies Health Institute QLD Incentive Quality Development Scheme	\$20,000	\$20,000 (2017- 2018)
Ullman AJ, Marsh N , Mihala G, O'Leary K, Rickard C	Nursing & Midwifery Research Centre	Skin Care Project	School of Nursing and Midwifery Griffith Grant.	\$7,000	\$7,000 (2017- 2018)
Rickard C, McCarthy A, Kleidon P, Larsen E , Zhang L , Ullman A, Marsh N , Edwards R	Nursing & Midwifery Research Centre	Controlling device Occlusion and infection by ConnectOr design And decontamination (The COCOA pilot trial)	Nursing and Midwifery Research (Experience Researcher) Fellowship Grant	\$60,000	\$120 000 (2017- 2019)
Larsen E , Marsh N , Gavin N , Flynn J , Webster J	Nursing & Midwifery Research Centre	Cancer caRE: The risk factors of vEnous access failuRe (CareTaKER study)	RBWH and RBWH Foundation Research Project Grant	\$37,926	\$37,926 (2017- 2018)
Zhang L , Rickard C, Webster J , Cooke M, Mollee P, McCarthy A, Keogh S, Mervin C, Marsh N	Nursing & Midwifery Research Centre	Prevention of central venous catheter infection and occlusion by needleless connector design and disinfection in haematology- oncology patients	Cancer Council Queensland	\$100,000	\$200,000 (2017- 2019)
Clint Douglas Sandy Middleton Glenn Gardner Patrick Kelly Rachael Morton Elizabeth McInnes Carol Windsor Robyn Fox Catriona Booker Alanna Geary	QUT School of Nursing & Metro North Hospital and Health Service	Transforming nursing assessment in acute hospitals: A cluster randomised controlled trial of an evidence-based core assessment protocol (the ENCORE trial)	NHMRC Partnerships for Better Health – Partnership Projects	NHMRC funding \$1,069,267.86	\$2.1M (2018- 2020)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Johnson S, Coyer F , Nash R. Simulation debriefing based on transfer of learning principles: A pilot study. Nurse Education in Practice. 2017. 26:102-108.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Coyer F , Clark M, Slattery P, Thomas P, McNamara G, Edwards C, Ingleman J, Stephenson J, Ousey K. Exploring pressures, tissue reperfusion and body positioning: A pilot evaluation. <i>Journal of Wound Care</i> . 2017. 26(10):1-10.
Journal Article	Cook JL, Coyer F , Vann A, Campbell J, McNamara G, Lost in Translation? Interpreting universal pressure injury guidelines into a practical reference for intensive care. <i>Aust Crit Care</i> . 2017. 30(2):113.
Journal Article	Dunstan E, Coyer F . A survey of safety culture in two Australian tertiary hospital intensive care units: The SCATH-ICU study. <i>Aust Crit Care</i> . 2017. 30(2):115.
Journal Article	Pather P, Kynoch K, Hines S, Coyer F . The effectiveness of topical skin products in the treatment and prevention of incontinence-associated dermatitis: A systematic review. <i>JBIM Database of Systematic Reviews and Implementation Reports</i> . 2017. 15(5):1473-1496.
Journal Article	Coyer F , Tayyib N. Pressure ulcer risk factors in the intensive care unit; a systematic review protocol. <i>BMC Systematic Reviews</i> . 2017. 6:58. DOI:10.1186/s13643-017-0451-5
Journal Article	Coyer F , Lipman J. Professorial clinical units: advancing research in the intensive care unit via the integration of a nursing professor. <i>ICU Management & Practice</i> . 2017. 17(1):50-2.
Journal Article	Coyer F , Gardner A, Doubrovsky A. An interventional skin care protocol (InSPIRE) to reduce incontinence-associated dermatitis in intensive care patients; a before and after study. <i>Intensive and Critical Care Nursing</i> . 2017. 40:1-10.
Journal Article	Tutticci N, Coyer F , Lewis P, Ryan M. Student facilitation of simulation debrief: Measuring reflective thinking and self-efficacy. <i>Teaching and Learning in Nursing</i> . 2017. 12(2):128-135.
Journal Article	Tutticci N, Coyer F , Lewis P, Ryan M. Validation of a reflective thinking instrument for third year undergraduate nursing students participating in a high fidelity simulation. <i>Reflective Practice: International and Multidisciplinary Perspectives</i> . 2017. 18(2):219-231.
Journal Article	Tutticci N, Ryan M, Coyer F , Lewis P. Collaborative facilitation of debriefing after high fidelity simulation and its implications for reflective thinking: student experiences. <i>Studies in Higher Education</i> . Available online 30 January 2017 http://dx.doi.org/10.1080/03075079.2017.1281238
Journal Article	Coyer F , Miles S, Fulbrook P, Gosley S, Sketcher-Baker K, Cook JL, Whitmore J. Pressure injury prevalence in intensive care versus non-intensive care patients: A state-wide comparison. <i>Australian Critical Care</i> . 2017. 30:244-250. Doi: http://dx.doi.org/10.1016/j.aucc.2016.12.003
Journal Article	Tayyib N, Coyer F . Translating pressure ulcer prevention bundle into intensive care nursing practice; overlying a care bundle approach with a model of research implementation. <i>Journal of Nursing Care Quality</i> . 2017. 32(1):6-14.
Book Chapter	Green, TL . (in press). Surgical Interventions for Severe Stroke: impact on quality of life, caregiver burden and family outcomes. In Watson, R. (Ed). <i>Lifestyle in Heart Health and Disease</i> .
Book Chapter	Green, TL . (2017). Chapter 10: Rehabilitation Nursing. In J. Hinkle and K. Cheever (Eds), <i>Brunner & Suddarth's Textbook of Medical-Surgical Nursing</i> , 14th Ed. Philadelphia, PA: Wolters Kluwer Health/Lippincott Williams & Wilkins.
Journal Article	Lutz, B., Green T . Nursing's Role in Addressing Palliative Care Needs of Stroke Patients. <i>Stroke</i> , 47(12): e263-e265; <i>Stroke_2017_013282R1</i> .
Report	Beeckman D, Van den Bussche K, Alves P, Beele H, Ciprandi G, Coyer F , de Groot T, De Meyer D, Dunk AM, Fouri A, García-Molina P, Gray M, Iblasi A, Jelnes R, Johansen E, Karadag A, Leblancq K, Kis Dadara Z, Long MA, Meaume S, Pokorna A, Romanelli M, Ruppert S, Schoonhoven L, Smet S, Smith C, Steininger A, Stockmayr M, Van Damme N, Voegeli D, Van Hecke A, Verhaeghe S, Woo K, Kottner J. The Ghent Global IAD Categorisation. Tool (GLOBIAD). Skin Integrity Research Group - Ghent University 2017. Available to download from www.UCVGent.be
Journal Article	Marsh N, Webster J , Cooke M, Rickard CM. The RELIABLE pilot randomised controlled trial: comparing peripheral intravenous catheter insertion by experts with a generalist insertion approach. <i>J Vasc Access</i> . 2017. 3(2):3-7.
Journal Article	Marsh N, Webster J , Cooke M, Rickard C. Observational study of peripheral venous catheter outcomes in adult hospitalized patients: a multivariate analysis of peripheral intravenous catheter failure. <i>Journal of Hospital Medicine</i> . DOI 10.12788/jhm.2867.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Whitty J, McInnes E, Bucknall T, Webster J , et al. The cost-effectiveness of a patient centred pressure ulcer prevention care bundle: findings from the INTACT cluster randomised trial. <i>Int J Nurs Stud</i> . 2017. 75:35-42.
Journal Article	Rickard CM, Marsh N , Webster J , Gavin NC et al. Peripherally Inserted Central catheter dressing and Securement: the PISCES Trial. Protocol for a 2x2 factorial, superiority randomised controlled trial. <i>BMJ Open</i> . June 2017;7:e015291
Journal Article	Webster J , Larsen E , Marsh N , Md Abu Choudhury Md Abu, Harris P, Rickard C. Chlorhexidine gluconate or polyhexamethylene biguanide disc dressing to reduce the incidence of Central-Line-Associated Blood Stream Infection: a feasibility randomized controlled trial (the CLABSI trial). <i>Journal of Hospital Infection</i> . 2017. 96(3):223-228.
Cochrane Review	Derwin R, Moore ZEH, Webster J . Hydrocolloid dressings for donor sites of split thickness skin grafts. <i>Cochrane Database of Systematic Reviews</i> 2017, Issue 4.
Journal Article	Webster J , Bucknall T, Wallis M, McInnes E, Roberts S, Chaboyer W. Does participating in a clinical trial affect subsequent nursing management? Post-trial care for participants recruited to the INTACT pressure ulcer prevention trial: A follow-up study. <i>Int J Nurs Stud</i> . 2017. 71:34-38.
Journal article	Webster J , Larsen E , Booker C , Laws J , Marsh N . Prophylactic insertion of large bore peripheral intravenous catheters in maternity patients: A cohort study. DOI: 10.1111/ajo.12759
Journal article	Webster J , Northfield S , Larsen E , Marsh N , Rickard C, Chan R. Insertion site assessment of peripherally inserted central catheters: Inter-observer agreement between nurses and inpatients. <i>JVA-D-17-00247R1</i>
Journal Article	Marsh N , Webster J , Rickard CM. Devices and dressings to secure peripheral venous catheters to prevent complications. <i>Int J Nurs Stud</i> . 2017. (67): 12 – 19.
Journal Article	Chan RJ, Northfield S, Larsen E, Mihala G, Ullman A, Hancock P, Marsh N, Gavin N, Wyld D, Allworth A, Russell E, N, Flynn J, Rickard CM. Central venous access device securement and dressing effectiveness for peripherally inserted central catheters in adult acute care patients: A pilot RCT. <i>Trials</i> . Oct 2017. 18:458, DOI: 10.1186/s13063-017-2207-x.
Journal Article	Keogh S, Shelverton C, Flynn J, Davies N, Marsh N , Rickard CM. An observational study of nurses' intravenous flush and medication practice in the clinical setting. <i>Vascular Access</i> . 2017. 3(1): 3-10.
Journal Article	Choudhury N, Sidjabat, Rathnayake I, Gavin N, Chan R, Marsh N , Banu S, Huygens F, Paterson DL, Rickard CM, McMillan D. Culture independent detection of chlorhexidine resistance genes qacA/B and smr in bacterial DNA recovered from at body sites treated with chlorhexidine containing dressings. <i>Journal of Medical Microbiology</i> . 2017. 66(4):447-453.
Journal Article	Choudhury Md, Wallan A, Sidjabat H, Zhang Li, Marsh N , Rickard CM, Davies M, McMillan D. Draft genome sequence of <i>Roseomonas mucosa</i> strain AU37, isolated from a peripheral intravenous catheter. <i>Genome Announcements</i> . 2017. 5(15): e00128-17.
Journal Article	Larsen E , Keogh S, Marsh N , Rickard C. Adult medical and surgical patients' experiences of peripheral IV insertion in hospital: A qualitative study. <i>Br J Nurs</i> . 2017 Oct 26;26(19):S18-S25.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited Speaker	Green T . Taking action for optimal community and long term stroke care. 2017. International Stroke Conference, Houston, Texas, February 2017
Invited Speaker	Green T . Canadian Stroke Congress. Transitions of Stroke Care, A Tale of Two Cities. Calgary Canada September 2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited Speaker	Green T. Canadian Stroke Congress, Overcoming Barriers and Challenges in Patient Transitions of Care. Calgary Canada September 2017.
Oral	Coyer F. Present findings from the SUSTAIN study: translating PI prevention evidence into practice. AASTN 41st National Conference, Brisbane, March 2017
Invited Speaker	Coyer F. Device related pressure injuries: Incontinence associated dermatitis. 3M Cavilon Advanced Skin Protectant Launch Event: Spotlight on Infection Wounds Australia Study Day. 4 November 2017, Perth.
Invited Speaker	Coyer F. PI Prevention in Complex Critically ill Patients. Falls, Fractures & Pressure Injuries Management Conference, 2-3 November 2017, Melbourne.
Invited Speaker	Coyer F. Translating Evidence-Based Pressure Injury Prevention Strategies to the Intensive Care Environment: The SUSTAIN Study. Winner EPUAP & 3M Pressure Ulcer and IAD Innovation Award. EPUAP 2017: The 19th Annual Meeting of the European Pressure Ulcer Advisory Panel, 20-22 September 2017, Belfast, Northern Ireland.
Invited Speaker	Coyer F. Skin management for the critically ill patient – a skin bundle approach (PI and IAD). China Wound Ostomy Continence Nursing Conference, 21-26 August 2017, China.
Invited Speaker	Coyer F. Incontinence-associated dermatitis best practice. China Wound Ostomy Continence Nurses Association 15th Congress 24 August 2017. Xi'an, China.
Invited Speaker	Coyer F. Translating Evidence-Based Pressure Injury Prevention Strategies to the Intensive Care Environment: The SUSTAIN Study. WCICT 2017 Wound Care From Innovations to Clinical Trials Conference, 20-21 June 2017, Manchester, UK.
Invited Speaker	Coyer F. Present findings from the SUSTAIN study: translating PI prevention evidence into practice. AASTN 41st National Conference, 15 March 2017, RNA, Brisbane.
Invited Speaker	Coyer F. Pressure Ulcer Prevention Clinical Evidence. PIP Educational Week, 28-30 November 2017, Dubai and Abu Dhabi
Invited Speaker	Marsh N. The Peripheral Intravenous Catheter Journey – a Prospective Cohort Study of 1000 Patients. Association for Vascular Access (AVA) Conference 2017, Arizona.
Invited Speaker	Marsh N. How often should Infusion Tubing be Replaced to Prevent Infection? Association for Vascular Access (AVA) Conference 2017, Arizona.
Invited Speaker	Marsh N. Evidence Overview for Tissue Adhesive on Vascular Access Devices. Who, What and When? Association for Vascular Access (AVA) Conference 2017, Arizona.
Invited Speaker	Marsh N. Secure my Intravenous Line Effectively – (the SMILE trial). Innovative peripheral intravenous (PIV) dressing techniques to reduce PIV failure. Association for Vascular Access (AVA) Conference 2017, Arizona.
Oral	Rickard CM, Marsh N. , Larsen E, Corley A, Spooner A Fraser J, Davis C, Lepelaar S, Long D, Roberts B, Baker S, Gill F, Gowardman J, Murgo M, Alexandrou E, Palermo A, Regli A, McGrail M, Runnegar N. Intravenous administration set (infusion tubing) replacement every 4 or 7 days is equally effective to prevent bloodstream infections (RSVP Trial). Australia New Zealand Intensive Care Society, 2017, Melbourne. *Best safety and quality paper*
Oral	Marsh N. Life cycle of peripheral intravenous catheters – a prospective cohort study of 1000 patients. The Australian Vascular Access Society 2nd Scientific Meeting, 2017, Perth.
Posters	Webster J, Northfield S, Larsen E, Marsh N, Rickard CM and Chan R. Inter-rater reliability of a peripherally inserted central catheter insertion site between nurses and patients using the PICC-SAT. The Australian Vascular Access Society 2nd Scientific Meeting, 2017, Perth.
Poster	Larsen E, Rickard C, Webster J, Marsh N. Administration sets/infusion tubing: How often should they be changed to prevent CRBSI? Australasian College for Infection Control and Prevention Conference, Nov 20 – 22 Canberra 2017
Poster	Haitham Tuffaha, Joshua Byrnes, Nicole Marsh, Nicole Gavin, Joan Webster, Marie Cooke, Claire Rickard. The burden of vascular access devices used in public hospitals in Queensland. A&NZ 10th Health services and Policy Research Conference; 1-3 Nov, Gold Coast

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Webster J, Northfield S, Marsh N, Larsen E , Rickard CM, Chan R. Excellent inter-rater agreement of peripherally inserted central catheter insertion condition between nurses and patients using the PICC-SAT Australasian College for Infection Control and Prevention Conference, Nov 20 – 22 Canberra 2017 site (Top Ranking Abstract)
Poster	Moore Z, Webster J . Dressings and topical agents to prevent pressure ulcers. European Pressure Ulcer Advisory Panel conference. Belfast, Ireland 20 -22 September 2017

Other communications and outputs:

Green T., Ploderer B., Hormann T., Farrall A., Aphasia Study – on QUT website: <https://www.qut.edu.au/science-engineering/our-schools/school-of-electrical-engineering-and-computer-science/computer-human-interaction>

RBWH RESEARCH SERVICES



RESEARCH EXECUTIVE DIRECTOR'S REPORT

The inaugural RBWH Research Council commenced in 2017. The primary aim of the RBWH Research Council is to provide a forum for expert consultation, collaboration and communication regarding issues relating to research with the aim of enhancing research capabilities and outputs of the RBWH.

The objectives of the RBWH Research Council -

To participate in the development and implementation of the RBWH Research Operational Plan, based on the MN Research Strategy, including strategies to:

- Embed research in operational functions of the hospital
- Improve processes to ensure high quality research outcomes
- Strengthen and develop research partnerships
- To provide expert advice on use of RBWH and RBWH Foundation research grants to ensure maximum benefit of our patients and the organisation.
- To oversee reporting and promotion of RBWH research activities
- To provide expert advice to the RBWH Executive on issues relating to research.
- To provide a conduit for communication of research related matters to Service Lines and other researchers.
- To provide an opportunity for sharing ideas and increased collaboration related to research processes, resources and projects across RBWH, MN and external partners.

Individual members of the council may also be asked to:

- assist in evaluation of research grants
- assist in the provision of expert advice to ethics
- assist in the provision of expert advice in the monitoring of research
- nominate to be a research mentor
- attend Executive meetings periodically

The membership of the Council for 2017 were -

- Dr Merrilyn Banks, Executive Director, Research RBWH (Chair)
- Ms Jacqueline Robinson, Research Governance Officer, RBWH

Service Line Representatives:

- Dr Anna Farrell, (Allied Health Professions)
- Prof Geoff Hill, (Cancer Care Services)
- Prof Jeff Lipman, (Critical Care & Clinical Support Services)
- Dr Helen Healy, (Internal Medicine Services)
- Ms Marita Prior, (Medical Imaging Services)
- Mr Satyan Chari, Safety (Medical Services / Safety & Quality)
- Dr Niall Higgins, (Mental Health Services)
- Prof Joan Webster, (Nursing & Midwifery Services)
- Assoc Prof Nicholas O'Rourke, (Surgical & Perioperative Services)
- Ms Katie Foxcroft, (Women's and Newborn Services)

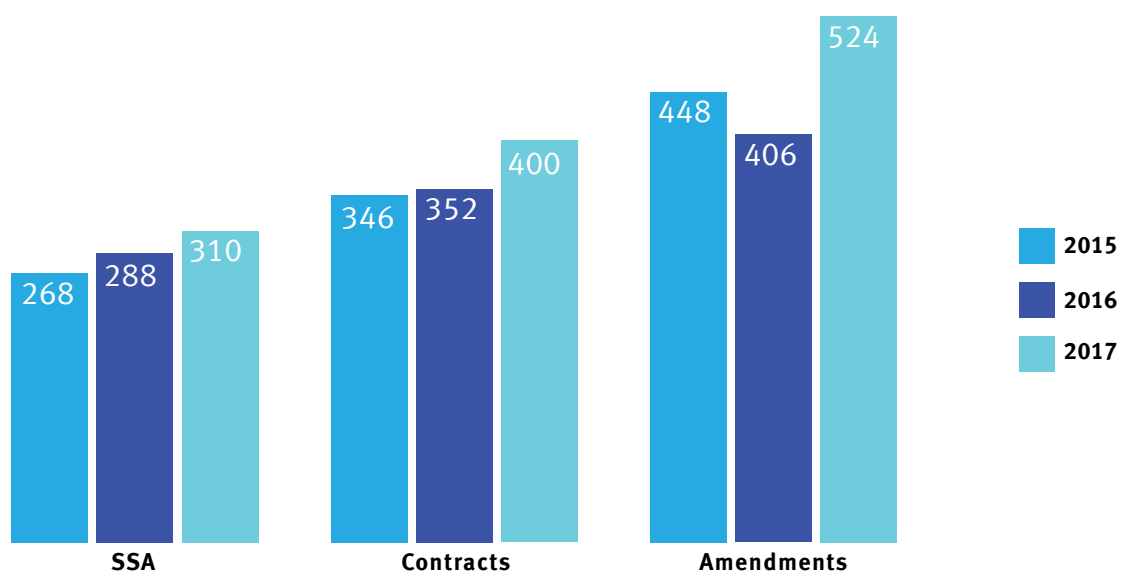
Individual Members:

- Mr Ian Parker, Physiotherapist
- Assoc Prof Louise Cullen, Senior Staff Specialist, DEM
- Dr Jye Smith, Principal Medical Physicist, Nuclear Medicine
- Prof Leonie Callaway, Consultant Obstetric Physician
- Ms Nicole Marsh, Nurse Researcher for Vascular Access

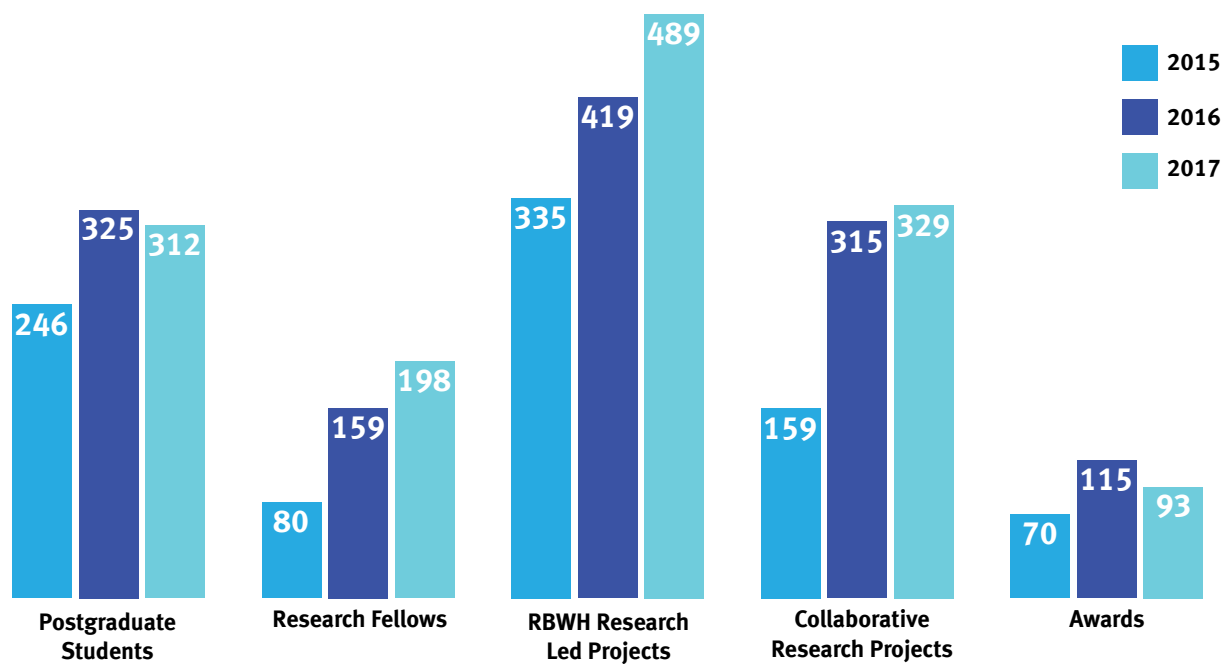
The first meeting was held on Monday 13th March 2017, and continued on a monthly basis during 2017.



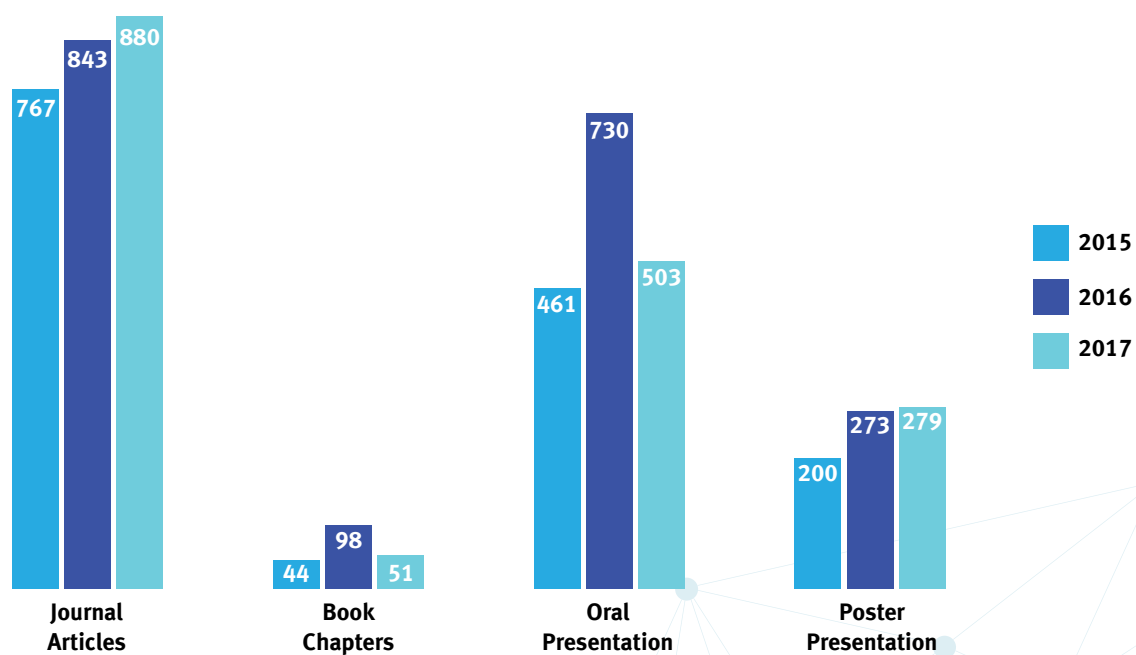
2017 again proved to be a very productive year for Researchers on the RBWH Campus. In total 310 SSA's, along with 400 Contracts and 524 Amendments were submitted to the Research Governance Office, representing an ongoing annual increase.



Research Activity



Publications





During 2017 the RBWH Research Services welcomed Natalie Bradford as RBWH Research Coordinator.

Natalie has a background as a registered nurse in Paediatric oncology spanning over 20 years. This clinical background provided a strong understanding of the principles of evidence-based practice, and ethical codes of conduct such as Good Clinical Practice. Natalie's interest in research is grounded in the opportunities to contribute to the improvement of health services and the health the general population. As the new research coordinator for Research Services at RBWH, Natalie is highly motivated to expand her experiences and help clinicians to develop their research ideas. Natalie is available to assist with all aspects of commencing a research project at RBWH. This includes establishing the research question and aims, developing a study protocol, sourcing funding, and assisting with HREC, and Governance processes.

The 2017 RBWH Symposium

After three jam-packed days of research, innovation and partnership, the 26th annual Healthcare Symposium concluded with its awards ceremony on 14 September 2017. The awards highlighted some of the best and brightest minds at the Royal Brisbane and Women's Hospital.

Congratulations to the outstanding 2017 Winners –

Angela Byrnes (The Professor Lawrie Powell AC Early Career Research Award): exploring practice gaps to improve perioperative nutrition care of the elderly (experience study): baseline clinical audit.

Dr Elise Coghill (The Professor William Egerton Award for Medical Research): severe inflammation, adhesion formation and pain in response to the use of Flowseal for haemostasis during laparoscopic surgery.

Associate Professor Victoria Eley (The Professor William Egerton Award for Medical Research): epidural extension failure in women with class III obesity is comparable to that of non-obese women—a prospective two-centre cohort study.

Elise Button (The Cecilia Brazil Nursing Research Award): clinical indicators identifying the risk of deteriorating and dying in people with haematological malignancy.

Tracey Hawkins (The Cecilia Brazil Nursing Research Award): the Cannulation Rates in the Emergency Department Intervention Trial (CREDIT).

Annette Collins (Health Practitioners Research Award): home-based telehealth service for swallowing and nutritional management following head and neck cancer treatment.

Anna Weis (Discovery and Innovation Research Award): serum microRNA as a biomarker for Cirrhosis and Hepatocellular Carcinoma in Hepatitis C—preliminary results and future potential.

Emily Larsen (Clinical Research Award): intravenous administration set (infusion tubing) replacement after four or seven days is equally effective to prevent bloodstream infections (RSVP trial)

Professor Louise Cullen (Complex Health Challenges Research Award): improved assessment of chest pain trial (IMPACT): assessing patients with possible acute coronary syndromes.

David Hughes (Health Services Implementation Research Award): ED Medicine Wise—fostering a medicine-wise culture in the emergency department.

Professor Louise Cullen (Best Overall Presentation)



Angela Byrnes - The Professor Lawrie Powell AC Early Career Research Award



Anna Weis - Discovery and Innovation Research Award



Annette Collins - Health Practitioners Research Award



David Hughes - Health Services Implementation Research Award



Dr Elise Coghill and Associate Professor Victoria Eley - The Professor William Egerton Award for Medical Research



Elise Button and Tracey Hawkins – The Cecilia Brazil Nursing Research Award



Emily Larsen - Clinical Research Award



Tracey Hawkins accepting on behalf of Prof. Louise Cullen – Best Overall Presentation

RBWH AND RBWH FOUNDATION RESEARCH ADVISORY COMMITTEE



PROF GERARD BYRNE
Chair, Research Advisory
Committee

The Research Advisory Committee (RAC) was established to assist Royal Brisbane and Women's Hospital Foundation (the Foundation) and Royal Brisbane and Women's Hospital (the Hospital) in fulfilling their oversight responsibilities for the administration of funding health science research at the Hospital. RAC members provide their services on an honorary basis.

2017 RAC Membership:

2017 Committee

Prof Gerard Byrne - Chair	Prof Claire Rickard
Dr Merrilyn Banks	Prof Robert Tindle
Adjunct Assoc Prof Ian Coombes	Dr Jacobus Ungerer
Adjunct Assoc Prof Robyn Fox	Prof Joan Webster
Prof Murray Mitchell	Dr Ian Wilkey
Prof Grant Ramm	Dr Helen Healy
Prof Jeff Lipman	

Other Attendees

Ms Anitha Dinesh	Ms Kaelah Bosanquet
Ms Maxine Goulston	

In 2017 the RBWH Private Practice Trust Fund provided \$1,500,000 for competitive Scholarships and research Grants and the RBWH Foundation provided \$750,000 for competitive research Grants for the calendar year 2017. The RAC gives priority to Scholarships over Grants, and those postgraduate research students who obtain competitive external support (e.g. from NHMRC or ARC) are eligible for top-up funds.

The RAC received 24 applications for postgraduate Scholarships, of which 20 were successful (83% success rate). Scholarships were awarded to both MPhil and PhD students. 13 of the 24 scholars were enrolled part-time. Students were enrolled at the University of Queensland, Queensland University of Technology and Griffith University. Their clinical disciplines included nursing, allied health and medicine. The total value of Scholarships was \$518,305.50.

In addition, the RAC received 94 applications for research Grants, of which 38 were successful (40% success rate). Twenty research Grants were supported by funds from the RBWH Foundation and 18 research Grants were supported by funds from the RBWH Private Practice Trust Fund. The total value of research Grants was \$1,404,798.38. The disciplines represented among successful grantees included medicine, surgery, psychiatry, imaging, nursing, allied health & technical support.

After many years of exceptional voluntary service to the Committee, we said farewell to two long-serving Committee Members in 2017, Dr Ian Wilkey, formerly Medical Superintendent, Royal Brisbane Hospital and Dr Jacobus Ungerer, Director Chemical Pathology, Pathology Queensland.

On behalf of the RBWH Research Advisory Committee, the RBWH research staff and the many recipients of Scholarships and Grants, I would like to take this opportunity to thank both Ian and Jacobus for their valued commitment to the future of both early career researchers and senior researchers across the campus. Their encyclopaedic knowledge and wise counsel will be missed.

In addition, I would like to thank Anitha Dinesh for her continued support and preparation for meetings enabling the RAC Committee to continue the financial commitment to recipients of the RBWH and RBWH Foundation Scholarships and Grants.

I thank the RBWH Private Practice Trust Fund and the RBWH Foundation for their continuing support of research on campus.

HERSTON IMAGING RESEARCH FACILITY



PAUL THOMAS

Director
Herston Imaging Research Facility

The Herston Imaging Research Facility (HIRF) is a dedicated facility for human imaging research here on the RBWH campus. The facility houses one of only four combined PET and MR scanners in Australia, a 3T Prisma MRI scanner and a PET/CT scanner, along with supporting infrastructure. HIRF is operated as a unit of RBWH, using RBWH radiographers and nuclear medicine technologists to operate the scanners. Being a standalone facility separate to the clinical radiology and nuclear medicine departments, HIRF offers greater access and booking certainty to scanners than is possible in a busy clinical environment, and makes a more pleasant place for volunteers to attend.

HIRF is a collaboration of four partners: Queensland University of Technology, University of Queensland, Metro North Hospital and Health Service and Queensland Institute of Medical Research-Berghofer. Researchers from all of the partners, as well as external institutions, collaborate on imaging research at HIRF. HIRF also collaborates closely with the radiopharmaceutical laboratory of the nuclear medicine department at RBWH to make available a widevariety of PET tracers to researchers for use at HIRF.

Our second full year of operations in 2017 saw a significant increase in activity and completion of our first research projects. Over 40 projects have now commenced recruiting spanning the modalities of diagnostic CT, MR, PET/CT and PET/MR across a wide range of disciplines. The research projects cover a broad range of areas including psychosis, dementia, Parkinsons disease, speech disorders, multiple sclerosis, cystic fibrosis, musculoskeletal and a wide variety of cancers.

For more information about HIRF please visit our website www.hirf.com.au

RBWH HUMAN RESEARCH ETHICS COMMITTEE REPORT

The National Statement on Ethical Conduct in Human Research (also referred to as the National Statement) published by the National Health and Medical Research Council (NHMRC), obliges all institutions involved in the practice of research to ensure consideration is given to each of the four major themes: Research Merit and Integrity, Justice, Beneficence and Respect; ensuring the risks and benefits are appropriately balanced and thus, the safety of all those involved in the research. One of the mechanisms through which safety is evaluated is the review of all proposed studies involving human participants by an appropriately constituted Human Research Ethics Committee (HREC). As one of more than 200 HRECs registered by the NHMRC, the RBWH HREC plays an integral role in ensuring research across Australia, but particularly within the RBWH, is ethically acceptable.

As required by the National Statement, the RBWH HREC comprises people from various backgrounds who draw on diverse experiences and expertise to assess each proposal in accordance with relevant national and international guidelines and regulations. The 30 members, appointed for their knowledge, expertise and experience and, not as representatives of any organisation, group or opinion, include researchers, clinicians, scientists, lawyers, IT experts, ministers of religion, as well as other people within the community not directly involved in scientific research or healthcare.

Each member contributes around 2 days per month voluntarily, reviewing studies for discussion at monthly meetings which can run for several hours. In addition to research proposals submitted for full ethical review, members may be asked to consider other submissions outside the committee structure, to enable expedited review of low risk research projects or negligible risk research projects which may be exempt from full HREC review. The HREC, through the Chairperson and office staff, also provide advice and support to both experienced and novice researchers, to facilitate the integration of research methodology within professional practice.

In 2017, the RBWH HREC reviewed 261 research protocols, 2 requests for endorsement to become an Authorised Prescriber of an unapproved product, as well as the review of an additional 145 quality improvement and evaluation projects which were reviewed by the Chairperson and of which 102 were considered to be exempt from HREC review.

None of this work would be possible without the exceptional support of the HREC Office Coordinator, Ann-Maree Gordon and Assistant Coordinator, Ulani Hearn, who do an amazing job managing applications and enquiries. Their detailed and comprehensive knowledge of legislation, regulations and process, and willingness to advise and support researchers are invaluable to the excellent reputation of the RBWH HREC.

JAMIESON TRAUMA INSTITUTE

The establishment of the Jamieson Trauma Institute was announced at the Royal Brisbane and Women's Hospital Symposium on 16 November 2017. The Institutes' development has been strongly supported by the Motor Accident Insurance Commission with the establishment of a joint QUT/MNHHS Principal Research Fellow position which commenced on 7 January 2017.

This Institute is named after Dr Kenneth Grant Jamieson (1925-1976) who was the first neurosurgeon at the Brisbane Hospital and Children's Hospital in 1956. Dr Kenneth G Jamieson was one of Australia's most distinguished Neurosurgeons best known for his clinical care of patients with head injuries and his research on changing patterns of head injuries and care given. Dr Jamieson was involved in research to include seat belts in cars, wearing of bike helmets, blood alcohol testing, and road safety strategies.

The Jamieson Trauma Institute was established to be a Statewide research facility and situated at Metro North/ RBWH where collaboration and partnerships are being established with: the Motor Accident Insurance Commission; our University partners; Brisbane Diamantina Health Partners; the RBWH Trauma Service; ICU; Orthopaedics; Rehabilitation; Burns, Trauma and Critical Care Research Centre; QH Clinical Skills Development Centre; QIMR - Berghofer; ADF Professor of Military Medicine UQ; the Herston Biofabrication Institute; Specialist Rehabilitation and Ambulatory Care Centre; Statewide Trauma Clinical Network; Queensland Ambulance Service and Retrieval Services Queensland.

Key collaborative areas will be developed around point of care support for rural and remote trauma; robotics; rehabilitation; trauma data analytics unit, with links to the Trauma Data Warehouse; Queensland Burns and Trauma Quality Assurance Committee and Queensland Injury Prevention Council. Data will be fundamental to the Institute. It is critical that we build on the current, often siloed data systems and develop a new, unique, consolidated Queensland trauma data warehouse which is accessible and integrated to enhance clinical care, quality review, research, continuous service improvement and reporting.

The Jamieson Trauma Institute will represent a unique collaboration of service partners, striving to advance trauma prevention, research, systems, and clinical management to deliver the best possible care for people who suffer a traumatic injury, be it those treated at the Royal Brisbane and Women's Hospital or other facilities across Queensland and Australia. While contributing to the national and international evidence, the Institute will play a key role in determining unique solutions to the unique trauma issues facing Queensland, such as our geography and how we bring trauma expertise closest to the point of traumatic injury.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Martha Druery	PhD, UQ (2014-current)	Psychosocial outcomes post-major burn injuries in adults – a longitudinal exploratory study.	Jeff Lipman , Peter Newcombe, Cate Cameron .
Jacqui Burgess	PhD, UQ (2014-2017)	Prevention of paediatric hot beverage scalds	Roy Kimble, Cate Cameron , Kerriane Watt.
Erin Pitt	PhD, GU (2013-current)	Early childhood food consumption and dietary patterns: the influence of socio-economic and demographic factors and the food environment	Tracy Comans, Cate Cameron , Lukar Thornton, Danielle Gallegos.
Caroline Gillespie	PhD, QUT (2015-current)	Influencing Safety in Supply Chains: Challenges and Opportunities for Businesses	Kirsten Vallmuur , Narelle Haworth, Darren Wishart

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Catherine Niven	PhD, QUT (2017-current)	Evaluating consumer product safety regulator responses to hazardous child products in Australia and USA to inform health and safety policies and improve the safety of Australian children.	Kirsten Vallmuur , Ben Matthews
Kim Vuong	PhD, QUT (2015-current)	Quads and Kids: Understanding parents' knowledge, attitudes and beliefs about safety and risks.	Angela Watson, Ioni Lewis, Kirsten Vallmuur
William Loveday	PhD, QUT (2009-2017)	Prescription drug misusing populations – Who are the doctor shoppers? Professional doctorate student	Kirsten Vallmuur , Gerry Fitzgerald, Belinda Lloyd

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Kirsten Vallmuur	Honorary Principal Research Fellow	MAIC Principal Research Fellow/Jamieson Trauma Institute/Associate Professor QUT	QUT
Cate Cameron	Principal Research Fellow	Jamieson Trauma Institute /Adjunct Associate Professor QUT	QUT, GU

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Kirsten Vallmuur	Internal: Jamieson Trauma Institute; External: QUT	Trauma data warehouse fellowship	MAIC	\$194,079	\$800,878
Martha Druery, Michael Rudd , Peter Newcombe, Cate Cameron	Internal: Burns and Critical Care/ Jamieson Trauma Institute External: UQ	Quality of Life outcomes post-major burn injuries in adults - a longitudinal exploratory study.	RBWH and RBWH Foundation	\$40,000	\$40,000 (2017)
Moe Wynn, Kirsten Vallmuur , Arthur ter Hofstede, Stephen Rashford, Emma Bosley, Mark Elcock	Internal: Jamieson Trauma Institute External: QUT, QAS, RSQ	Identifying prehospital retrieval pathways and processes for road trauma patients in Queensland	MAIC	\$150,000	\$300,000

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Report	Vallmuur K, Pollard C (2017) Injury hospitalisations in public acute hospitals in Queensland: A five year snapshot 2011/12-2015/16, Metro North Hospital and Health Service.
Report	Vallmuur K (2017) Unintentional land transport injury hospitalisations in public acute hospitals in Queensland: An eight year snapshot 2009/10-2016/17, Metro North Hospital and Health Service.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Vallmuur K , The Queensland Trauma Data Warehouse. BDHP Trauma Day, 17 November 2017.
Oral	Pollard C , The Jamieson Trauma Institute. BDHP Trauma Day, 17 November 2017.
Oral	Pollard C , Exercise Talisman Sabre 2017 – Verification review of deployed ADF field hospital, Shoalwater Bay, QLD. RACS Trauma Verification Symposium, 15 November 2017.
Oral	Vallmuur K , The Queensland Trauma Data Warehouse. Trauma Grand Rounds, 26 October 2017.
Oral	Vallmuur K, Pollard C , Collecting Trauma Data in Queensland: No easy path! Emergency Medicine Foundation Acute Care Research and Translation Workshop, 24 August 2017.
Invited Speaker	Vallmuur K , Evaluating the effectiveness of injury prevention campaigns, New Zealand Midland Trauma Symposium, 25 May 2017.
Invited Speaker	Vallmuur K , The Queensland Trauma Data Warehouse. New Zealand Midland Trauma Symposium, 25 May 2017.
Invited Speaker	Vallmuur K , a) Translational Research: An Overview and Example. New Zealand Trauma Research Workshop, 24 May 2017.
Invited Speaker	Vallmuur K , b) Turning research plans into results. New Zealand Trauma Research Workshop, 24 May 2017.

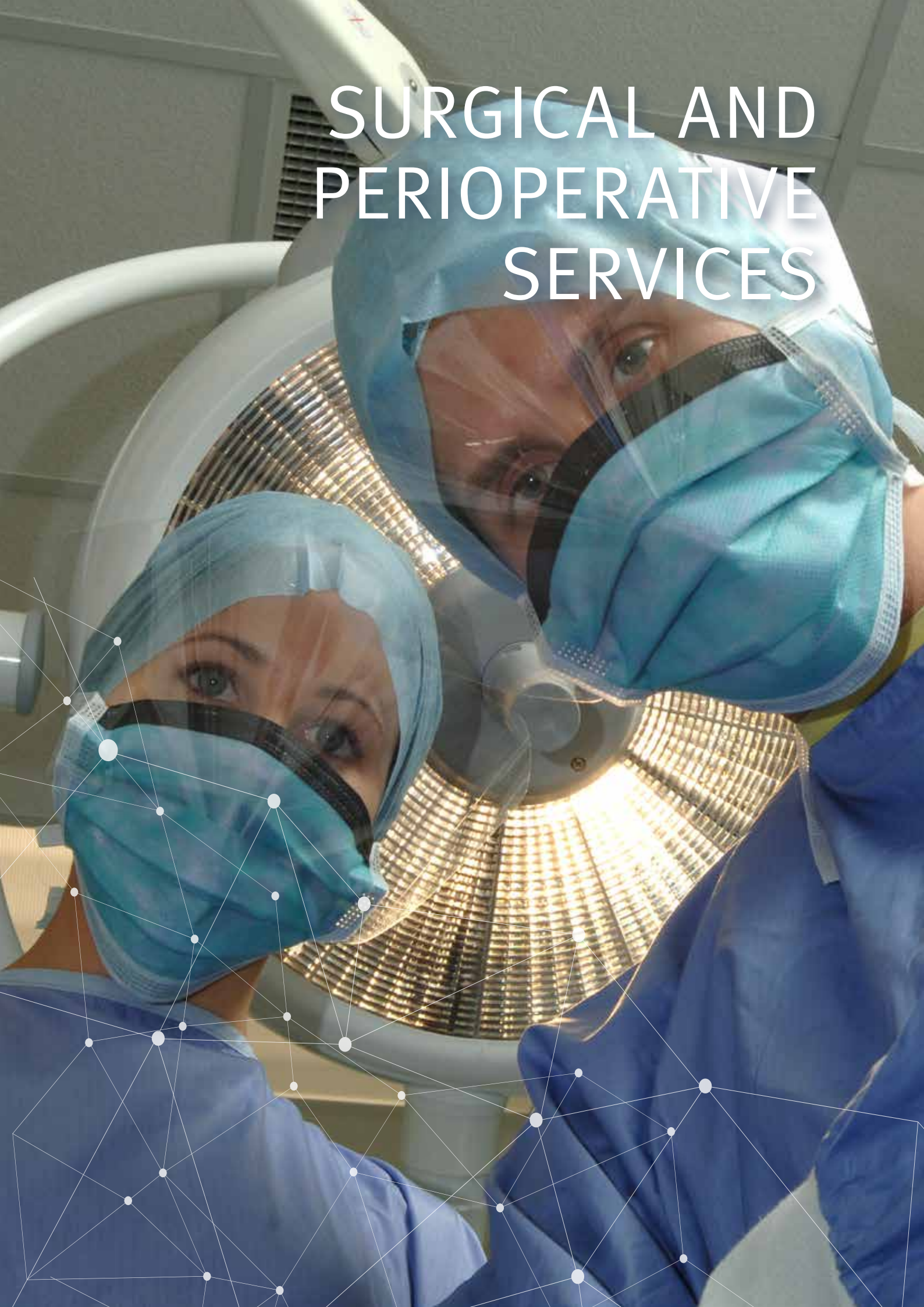


Associate Professor Cliff Pollard, Dr Cate Cameron and Rosalind Wendt - Jamieson Trauma Institute



Associate Professor Kirsten Vallmuur

SURGICAL AND PERIOPERATIVE SERVICES



SURGICAL AND PERIOPERATIVE SERVICES



DR BARRY O'LOUGHLIN
Executive Director
Surgical and Perioperative Services

*A major tertiary
referral centre for
Queensland with
strong clinical
research programs*

The Division provides a wide range of clinical services to the people of MNHHS and is a major tertiary referral centre for Queensland. These services are underpinned by strong clinical research programs in many Departments, often in collaboration with Universities and research institutes on the campus.

A number of important initiatives which will facilitate clinical research got underway in 2017, after years of planning. A state of the art teaching, training and research centre the Centre for Excellence and Innovation in Anaesthesia (CEIA) was officially opened on 6th June 2017. Dr Kerstin Wyssusek, Director of Anaesthesia and Perioperative Medicine also organised and delivered the inaugural Perioperative Blood Management Symposium at RBWH in February 2017. This scientific meeting brought national and international experts together to present on contemporary blood management and will be an annual event.

The Burns Unit Skin Culture Centre was officially opened by the Minister for Health in October 2017 after years of planning and preparation by the Director of Burns Surgery, Dr Michael Rudd. As well as improving the management of patients with major burn injury this facility will facilitate important research into cell culture and biofabrication.

Led by Associate Professors Kevin Tetsworth and Martin Batstone, the Department of Orthopaedic Surgery and Department of Oral and Maxillofacial Surgery are at the forefront of clinical applications of 3D modelling and printing. Together, some of their pioneering work in facial and long bone reconstruction was presented at the RBWH Symposium in September 2017.

In November 2017, Dr Amanda Dines Executive Director RBWH, announced the establishment of the Jamieson Trauma Institute in collaboration with the University of Queensland, Queensland University of Technology and other partners. The aim of this institute is to advance trauma prevention, research, systems and clinical management to deliver optimal care to people who suffer traumatic injury.

BURNS

Research Highlights for the Period 01/01/2017 – 31/12/2017

The Professor Stuart Pegg Adult Burn Centre has collaborated with several other burn units in trialling a synthetic dermal substitute for treating deep dermal and full thickness burn wounds. In this clinical trial, we have enrolled 3 patients to date and are helping to examine the product's safety profile.

The Burns Unit has also recently introduced a Carbon Dioxide Fractional Ablative laser to treat hypertrophic burn scars. We are implementing this and collecting data to examine the efficacy of the laser.

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Dr. Jason Brown	Dr. Carl Lisec, Dr. Michael Rudd, Dr. Jason Miller, Prof Michael Muller, Dr. Keith Towsey	Efficacy of CO2 Ablative Fractional Laser in the treatment of hypertrophic burn scars.

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
A/Prof John Greenwood	Dr. Jason Brown, Dr. Jason Miller, Dr. Carl Lisec, Dr. Michael Rudd, Prof Michael Muller, Dr. Keith Towsey	Biodegradable Temporising Matrix (BTM) in dermal replacement and wound temporisation prior to definitive split-skin grafting post-excision of full thickness burns affecting between 20% and 50% of the total body surface area (TBSA) to assess integration, delamination and ability to support subsequent graft take.

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Kowk, M., Maurice, A., Carroll, J., Brown, J., Lisec, C., Francis, L. and Patel, B. (2017), Gastrointestinal mucormycosis in an immunocompromised host. ANZ Journal of Surgery. Doi:10.1111/ans.13955
Journal Article	Ranasinghe, S., Cohen, B., Perera, S., Carroll, S., Walker, D., Lisec, C., and Brown, J. (2017). Retroperitoneal necrotising soft tissue infection: a case reiterating the need for caution for patients with delayed presentation. Accepted for publication in ANZ Journal of Surgery. ANS-2017-01160.R1
Journal Article	Guy, S., Lisec, C., Billing, T. (2017). Emergency laparotomy outcomes before and after the introduction of an acute surgical unit. Accepted for publication in International Journal of Surgery Open. IJSO_2017_82

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited	1. “Assessment and Management of Small Outpatient Burns”. Wound Management Forum, Australian Society of Plastic Surgeons Annual Scientific Congress, Gold Coast, 2 June 2017 Dr. Carl Lisec
Invited	1. “Recent Advances in Burn Care”. Redcliffe Probus Society Meeting, 22 August 2017. Fundraising effort and awareness booster for Professor Stuart Pegg Adult Burn Centre Dr. Carl Lisec
Invited	Management of the burn wound. Dr. Jason Miller – ASPS ASC, Gold Coast 2 June 2017
Invited	ANZCA ANNUAL SCIENTIFIC MEETING: Invited speaker: Threat Assessment and Disaster Response Rudd M.J., May 16 2017. Brisbane, Hospital Response to Mass Shootings Dr. Michael Rudd
Invited	RACS ANNUAL SCIENTIFIC MEETING: Invited speaker: Lessons Learned from the longest war: Rudd M.J., May 10 2017. Adelaide, Clinical Governance and RAAF deployable medical assets

ENT - OTOLARYNGOLOGY, HEAD & NECK SURGERY

Aims

Our research aims to investigate the role of the normal bacterial flora in the airway and how it changes during infection and to explore treatment alternatives for recurrent and chronic infections. With a special interest in chronic sinusitis in the general population, and otitis media (middle ear infection) in the indigenous population. Using local probiotic nasal spray to displace colonisation of pathogenic bacteria from the upper respiratory tract in chronic rhinosinusitis (CRS) and recurrent otitis media.

Clinical Benefits

CRS is estimated to affect 10% of the population in western countries. The mainstay of treatment is still antibiotics, unfortunately it is estimated that 30% of CRS patients have uncontrolled symptoms in spite of repeated courses of antibiotics.

The Aboriginal and Torres Strait Island population have some of the highest rates of Otitis Media in the world, and experience it earlier, more frequently and in more severe forms than non-Indigenous Australians. Despite a large engagement from public health, including medical and surgical treatment options, the burden of disease remains substantial. In collaboration between the University of Queensland Centre for Clinical Research and the Deadly Ears group we have started a research program exploring the normal bacterial flora in the upper airway in the indigenous population and how it contributes to maintain health. The aim is to investigate the possibility of strengthening the defense against recurring acute otitis media by supplementing the airway with friendly bacteria.

Grants

No new grants

Research Collaborations

- UQCCR University of Queensland Centre for Clinical Research
- QPID Queensland Paediatric Infectious Diseases Laboratory
- CCHR Centre for Children's Health Research | Children's Health Queensland Hospital
- CHRC Child Health Research Centre | The University of Queensland
- Deadly Ears, Brisbane
- Department of Otolaryngology, Head & Neck Surgery, Lund University, Sweden.
- Gothenburg University, Sweden
- Umea University, Sweden

Clinical trials unit with the Department of Otolaryngology

During 2017 we have successfully attracted interest from the pharmaceutical company Sanofi and the Boston start-up company 480Biomedical. The department has recruited a clinical trials nurse, Kathryn Girling and are now running 2 clinical trials involving a new monoclonal antibody for the treatment of nasal polyps as well as a trial on a drug eluting stent for rhinitis. This will provide exposure to staff, including registrars to the requirements and rigour of clinical trials. A registered nurse as well as several registrars have now updated their skills and completed GCP training to be able to participate in managing the studies.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Dr Andrea Coleman	PhD	The microbiome of otitis media and development of a probiotic to prevent otitis media in Australian Indigenous children	Prof Anders Cervin , Dr Seweryn Bialasiewicz, Dr Eva Grahn-Hakansson

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Sarju Vasani	Honorary Lecturer	School of Medicine	2

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Prof Anders Cervin	Seweryn Bialasiewicz (LCCH)	Microbiota of the Human Sinuses. It's role in health and disease
Prof Anders Cervin	Hanna Sidjabat (UQCCR)	Probiotic Discovery and Development
Prof Anders Cervin	Dr Andrea Coleman	Prevention of otitis media with probiotics in indigenous children
Sarju Vasani	Nayan Kapadia, Touraj Taheri	CXCR4 expression in Head and Neck Cancers

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Christine Cong Guo (QUT)	Prof Anders Cervin	Developing early biomarkers for Alzheimer's disease using olfactory mucosa
Kirsten Spann (UQ)	Prof Anders Cervin	Defects in antiviral defence in the upper airways of children susceptible to ear infections and/or lower respiratory tract infections
Claire Hopkins (Guys Hospital, London)	Prof Anders Cervin	Core Outcome Dataset in chronic rhinosinusitis

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Dr Robyn Marsh Menzies Darwin Dr Rachel Lappan Telethon Inst. Perth	Prof Anders Cervin	The Australian Microbiota in Otitis Media Network

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Cervin A. An argument for a new CRS classification. Letter to the Editor of Rhinology. Rhinology Journal. 2017 Dec 16;;1–1.
Journal Article	Uvelius E, Castelo N, Kahlon B, Svensson C, Cervin A , Höglund P, et al. Quality of Life and Work Capacity Are Unrelated to Approach or Complications After Pituitary Surgery. World Neurosurgery. Elsevier Inc; 2017 Dec 1;108:24–32.
Journal Article	Mårtensson A, Abolhalaj M, Lindstedt M, Mårtensson A, Olofsson TC, Vásquez A, Greiff L, Cervin A . Clinical efficacy of a topical lactic acid bacterial microbiome in chronic rhinosinusitis: A randomized controlled trial. Laryngoscope Investigative Otolaryngology. 2017 Nov 8;3:1–7.
Journal Article	Zhang L-Y, Zhong L, David M, Cervin A . Tonsillectomy or tonsillotomy? A systematic review for paediatric sleep-disordered breathing. International Journal of Pediatric Otorhinolaryngology. Elsevier; 2017 Oct 12;103:41–50.
Journal Article	Hellings PW, Fokkens WJ, Bachert C, Akdis CA, Bieber T, Agache I, Cervin A et al. Positioning the principles of precision medicine in care pathways for allergic rhinitis and chronic rhinosinusitis - A EUFOREA-ARIA-EPOS-AIRWAYS ICP statement. Allergy. 2017 May 21;372(Suppl 86):793–9.
Journal Article	Thomas J, Lynham A, Scott Borgna, Jones L, Vasani S 2017 Climatic Effects on the Incidence of Interpersonal Maxillofacial Trauma. Int J Pub Health Safe 2:124.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	At the department of Anaesthesiology RBWH, Systemic approach to oozing in sinus surgery.
Poster	Pharmabiotics Global, Paris, Probiotic discovery and development in the upper airway,reviving conventional microbiology approach
Invited Keynote speaker	19th International symposium on recent advances in Otitis Media, Gold Coast, Probiotics in the treatment of otitis media, past present and the future
Invited speaker	Telethon Institute Perth. Probiotic treatment of the upper airway
Invited speaker	South Pacific ORL forum. Intra-nasal probiotic spray in Chronic Rhinosinusitis patients. Our experience
Invited Speaker	World Rhinology meeting, Hong Kong, How to predict outcomes in sinus surgery, Bacterial Therapy of Chronic sinusitis
Invited Speaker	Vasani S . ANZ HNS meeting – Laryngectomy: Techniques focussed on functional Outcomes.

ACUTE SURGICAL - GENERAL SURGERY UNIT V

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Michael Kwok, Andrew Maurice, Jason Brown, Carl Lisec, James Carroll, Leo Francis, Bhavik Patel. Gastrointestinal Mucormycosis in an Immunocompromised Host. ANZ Journal of Surgery. ANS-2016-01052. Published May 2017
Journal Article	Van Truong, Robert Finch, Benjamin Martin, Kate Buzacott, Mahendra Singh, Bhavik Patel Littoral Cell Angioma of the Spleen. ANZ Journal of Surgery .ANS-2017-00283 04/2017 Published October 2017

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster European Congress of Obesity	James Carroll, Michael Kwok, Bhavik Patel and George Hopkins Revision gastric bypass after laparoscopic adjustable gastric band: a ten-year experience at a public teaching hospital

HPB/ BARIATRIC - GENERAL SURGERY UNIT II

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Bhavik Patel, Universe Leung, Jerry Lee, Richard Bryant, Nicholas O'Rourke and David J. Cavallucci. Laparoscopic Pancreaticoduodenectomy in Brisbane, Australia: An initial experience
Journal Article	James Carroll, Michael Kwok, Bhavik Patel and George Hopkins. Revision gastric bypass after laparoscopic adjustable gastric band: a ten-year experience at a public teaching hospital

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster European Congress of Obesity	James Carroll, Michael Kwok, Bhavik Patel and George Hopkins Revision gastric bypass after laparoscopic adjustable gastric band: a ten-year experience at a public teaching hospital

BRISBANE COLORECTAL RESEARCH UNIT (CRU)

UNIT III

The colorectal unit is based on Level 9 of the Ned Hanlon Building in the Royal Brisbane and Women's Hospital, shared with the Inflammatory Bowel Disease (IBD) Unit. We have formed a close collegiate relationship with this unit over the years providing high standard of clinical care and innovative research and teaching.

Research in the colorectal unit is now coordinated through a dedicated unit, the Brisbane colorectal research unit (CRU), representing seven colorectal specialists. All members have busy practices and large caseloads available for clinical based research. In order to deliver the research goals of the CRU we have appointed a part-time Research Coordinator, whose role is to facilitate, support and guide the research in the CRU. The unit has established research collaborations at both national and international level with research interests spanning multi-disciplinary areas. With the commencement of over 20 research projects the unit has published a 2017 CRU Annual Report highlighting current projects and publications.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Angela Byrnes	Ph.D, UQ (2015 – 2018)	Investigating the nutritional status and care of older (≥ 65 years) patients on two general surgical wards: A multiphase, action research study	David Clark, Adrienne Young, Alison Mudge, Merrilyn Banks, Judy Bauer

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Aleksandra Edmundson	Honorary Fellow	Colorectal Research Unit	The University of Queensland – Dept. Surgery (2016 – current)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
David Clark	David Clark, Michael Johnston, Graham Radford-Smith, Chu Woon, David Lam	Anastomotic techniques in Crohn's Disease (CD)

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
David Clark	David Clark , Andrew Riddell	Measurement of amylase in the draining fluid post ileal-pouch anal anastomosis (IPAA)
David Clark	David Clark, Stephen Boyce , Hassan Malik	Long term outcomes of anastomotic leaks managed with laparoscopic lavage or ileostomy
David Clark	David Clark , David Sidhom	Long-term functional outcomes of anastomotic leak in IPAA
David Clark	David Clark, Graham Radford-Smith , Lisa Simms, Anton Lord	Pre-diagnostic signature for colorectal cancer: defining a pre-diagnostic biomarker signature
David Clark	David Clark , Andrew Riddell, Shoni Philpot, Julie Moore	Management of malignant polyps
Andrew Stevenson	Andrew Stevenson , Satish Warrier, Stephen Bell, Michael Solomon	ADIPOSE: Australasian Decrease in Intra-Pelvic Obesity for Surgery trial - Using VLED's to reduce weight and improve outcomes in obese patients undertaking laparoscopic rectal cancer surgery
Mathew Burge	Craig Harris, David Taylor	TargoVax explorative study of TGO2 treatment for recurrent oncogenic RAS Exon2 mutant rectal cancer
Tahleesa Cuda	David Clark, Tahleesa Cuda	Short bowel syndrome in Crohn's Disease (CD)
Carina Chow	Carina Chow , Katherine Zalewski	Rectal cancer in the obese population
Carina Chow	Carina Chow , Dean Adit	Rectal cancer in pregnancy
Craig Harris	Frank Frizelle, Craig Harris , David Taylor	10-Ten Study: Quality of life after surgery for recurrent rectal cancer

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Andrea Warwick (Redcliffe Hospital)	David Clark	Total colectomy for constipation
Stephen Smith, Bree Stephenson, (John Hunter Hospital)	David Clark, David Westwood	A Prospective Observational Study to Validate the Utility of C-reactive Protein Trajectory as a Predictor of Anastomotic Leak in Patients with a Bowel Anastomosis
Andrew Riddell, John Hopper, Simon Puttick,	Tahleesa Cuda, Paul Thomas, Mathew Burge, Melissa Latter, Andrew Stevenson, David Clark,	Theranostics for metastatic colorectal cancer

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
David Clark	Colorectal Research Unit (CRU)	Research Fund	Johnson & Johnson (Australia)	\$45 000	
David Clark	Colorectal Research Unit (CRU)	Research Fund	Olympus (Australia)	\$30 000	

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Case study	Cuda TJ, Westwood DA , Hamilton AER, Stevenson ARL . Colorectal Dis. 2017 Sep 16. doi: 10.1111/codi.13891. [Epub ahead of print]
Journal article	Methylene blue sub mucosal infiltration may facilitate transanal submucosal dissection. Cuda TJ , Riddell AD, Westwood DA , Hamilton AER, Stevenson ARL .Colorectal Dis. 2017 Sep 2. doi: 10.1111/codi.13872. [Epub ahead of print]
Journal article	Measurement Bias of Polyp Size at Colonoscopy.Sakata S, Klein K, Stevenson ARL , Hewett DG.Dis Colon Rectum. 2017 Sep;60(9):987-991. doi: 10.1097/DCR.0000000000000859.
Journal article	Management of Low Colorectal Anastomotic Leakage in the Laparoscopic Era: More Than a Decade of Experience. Boyce SA, Harris C, Stevenson A , Lumley J, Clark D .Dis Colon Rectum. 2017 Aug;60(8):807-814. doi: 10.1097/DCR.0000000000000822.
Journal article	Optical diagnosis of diminutive colorectal polyps.Sakata S, Naidu S, Stevenson ARL , Hewett DG.ANZ J Surg. 2017 May;87(5):326-327. doi: 10.1111/ans.13531
Journal article	Impact of simulated three-dimensional perception on precision of depth judgements, technical performance and perceived workload in laparoscopy.Sakata S, Grove PM, Hill A, Watson MO, Stevenson ARL . Br J Surg. 2017 Jul;104(8):1097-1106. doi: 10.1002/bjs.10528. Epub 2017 Apr 20.
Journal article	The Impact of Crosstalk on Three-Dimensional Laparoscopic Performance and Workload Sakata S, Grove PM, Watson MO, Stevenson AR Surg Endosc. 2017 Mar 9, doi: 10.1007/s00464-017-5449-5. [Epub ahead of print]
Journal article	The Future of Laparoscopic Rectal Cancer Surgery Stevenson AR Br J Surg. 2017 Feb 23. Doi: 10.1002/bjs.10503 [Epub ahead of print]
Journal article	Risk Factors for Recurrence After Laparoscopic Ventral Rectopexy Fu CW, Stevenson AR Dis Colon Rectum. 2017 Feb;60(2):178-186. Doi: 10.1097/DCR.0000000000000710
Journal article	Techniques for Terminal Ileal Intubation at Colonoscopy when Standard Maneuvers Fail. Sakata S, Stevenson AR , Naidu S, Hewett DG Am J Gastroenterol. 2017 Jan; 112(1):11-12. Doi: 10.1038/ajg.2016.497
Journal article	An assessment of an Australasian pathway for the introduction of transanal total mesorectal excision (taTME).Abbott SC, Stevenson ARL , Bell SW, Clark D , Merrie A, Hayes J, Ganesh S, Heriot AG, Warrier SK.Colorectal Dis. 2017 Nov 22. doi: 10.1111/codi.13964. [Epub ahead of print]
Video vignette	Indocyanine green fluorescence angiography (ICGFA) during laparoscopic and robotic colorectal surgery- a video vignette.Hamilton AER, Cuda TJ, Westwood DA, Stevenson ARL .Colorectal Dis. 2017 Dec 11. doi: 10.1111/codi.13986. [Epub ahead of print]
Video vignette	Identification of the ureter during robotic colorectal surgery using lighted stents - a video vignette. Hamilton AER, Westwood DA, Cuda TJ, Stevenson ARL

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Video vignette	Methylene blue-assisted submucosal dissection in transanal surgery - a video vignette. Cuda TJ, Westwood DA , Hamilton AER, Stevenson ARL . Colorectal Dis. 2017 Nov;19(11):1033. doi: 10.1111/codi.13891
Journal Article	A case study of ileal metaplasia and neoplasia in a patient with an ileal-rectal anastomosis Beth Campbell , Andrew Reid, David Clark , James Harvey Accepted J Coloproctology Dec 2017

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral invited	David Clark . “Early surgery in Crohn’s Disease” IBD Meeting 2017, Melbourne Australia
Oral invited	David Clark . “Fistulating perianal disease following ileal pouch surgery”. IBD Meeting 2017, Melbourne Australia
Oral invited	David Clark . “Rescuing acute severe colitis” IBD Meeting 2017, Melbourne Australia
Oral Invited	David Clark . “The Role of stricturoplasty in Crohn’s Disease” Gastroenterological Society of Australia, AGW 2017, Gold Coast Australia
Oral invited	Andrew Stevenson . “Is there a future for laparoscopic rectal cancer surgery?” 6th Combined Australia & New Zealand Colorectal Meeting 2017, Sydney Australia
Oral invited	Andrew Stevenson . “Now and the future in rectal cancer overview” 2017, Rectal Cancer Symposium, Melbourne, Australia
Oral invited	Andrew Stevenson . “Laparoscopic versus open rectal surgery” , Rectal Cancer Symposium 2017, Melbourne, Australia
Oral invited	Andrew Stevenson . “Clinical trials in rectal cancer: What have we learned about laparoscopic rectal cancer surgery? The Z6051, the ALaCaRT, the COREA and the COLOR II trials”, Annual Scientific Meeting & Tripartite Meeting 2017, Seattle USA
Oral invited	Andrew Stevenson . “Rectal prolapse advanced methods – LVR Surgery Video: How I do it?”, Annual Scientific Meeting & Tripartite Meeting 2017, Seattle USA
Oral invited	Andrew Stevenson . “Hot topics in pelvic floor – ventral rectopexy for rectal prolapse” 86th RACS Annual Scientific Congress 2017, Adelaide Australia
Keynote lecture	Andrew Stevenson . “Innovations and advances in Colorectal Surgery - Tips on the safe and sustainable introductions of new techniques and technology” 86th RACS Annual Scientific Congress 2017, Adelaide Australia
Oral invited	Andrew Stevenson . “Using the TaTME approach in surgery”, 41st Australian Association of Stomal Therapy Nurses Conference 2017, Brisbane Australia

NEUROSURGERY



LINDA JEFFREE
Kenneth G. Jamieson Department
of Neurosurgery

The primary research activity of the Kenneth G. Jamieson Department of Neurosurgery is collaboration with translational researchers at QIMR and UQCCR in the fields of primary and secondary brain tumours, language function and assessment, motor neuron disease and epilepsy. Individual surgeons have also carried out research into spinal surgery and trauma. Current and recently completed projects are presented and discussed at our regular research seminar on the second Tuesday of the month. 2017 saw the completion of an Honours research project in moderate to severe head injury by medical student Vignesh Ramen.

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
B. Day (QIMR-Berghofer)	R. L. Jeffree (Neurosurgery), P-L. Inglis (Oncology), RBWH neurosurgeons	Novel Therapies for Brain Cancer
S. Lakhani (Pathology)	S. Lakhani (Pathology), R. L. Jeffree, RBWH neurosurgeons	Establishment of the RBWH-UQ Tissue Bank and Associated Database for Cancer Research and Prospective Patient Follow-Up
A/Prof C. Vajdic (UNSW) AGOG Study Group.	R. L. Jeffree (Neurosurgery), P-L. Inglis & Zarnie Lwin (Oncology);	Australian Genomics and Clinical Outcomes of Glioma - AGOG Epidemiology
N. de Silva (Speech Pathology), D. Copeland (UQCCR)	R. L. Jeffree (Neurosurgery), T. Rajah (Radiology)	Language function following medical/surgical intervention in the neurosurgical population
G. de Zubizaray (University of Queensland), D. Copeland (UQCCR)	R. L. Jeffree (Neurosurgery) A. Coulthard (Radiology),	A prospective study of language function following surgical resection of left hemisphere primary brain tumours.

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
L. Vadlamudi, D. Reutens, J. Pelekanos, A-A Sullivan, Cecillie Lander (Neurology)	R.L. Jeffree & N. Ma (Neurosurgery), J. Mc Gaughran (Genetic Health Queensland)	Genetic Networks in Epilepsy: A Tissue-Specific Approach
A. Coulthard (Radiology)	A. Coulthard (Radiology), D. Reutens (Neurology), R. L. Jeffree (Neurosurgery), T. Robertson (Neuropathology)	High Field MRI imaging of Hippocampal Sclerosis
P. Noakes (University of Queensland)	Pam McCoombe (Neurology), R. L. Jeffree (Neurosurgery), T. Robertson (Neuropathology)	Synaptic adhesion and neuromuscular signalling in patients with motor neuron disease.
L. Reid (CSIRO)	M. Prior (Radiology), R. L. Jeffree (Neurosurgery), A. Coulthard (Radiology)	Post-surgical Diffusion MRI in Epilepsy Patients for CONSULT
C. Phillips (TROG/ Peter McCallum Hospital)	R. L. Jeffree (Neurosurgery), A. Coulthard (Radiology)	A Phase II study of local therapy only (stereotactic radiosurgery and/ or surgery) for treatment of up to 5 brain metastases from HER2 positive Breast Cancer (Local HER-0).

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Y. C. Lim, A-M Patch, B. Day, N. Waddell, S. Rose, B. Chua, R. Jeffree	Neurosurgery, Radiation Oncology	Using molecular-guided PET/ MRI imaging to understand the development of hypoxia induced radiotherapy resistance in GBM: A prospective pilot study to uncover the dynamics of radioresistance in brain cancer	QIMR Berghofer Clinician Research Collaboration Award	\$33 100	\$33 100

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Kevin Phan, Vignesh Ramachandran, Tommy M. Tran, Kevin P. Shah, Matthew Fadhil, Alan Lackey, Nicholas Chang, Ai-Min Wu, Ralph J. Mobbs Systematic review of cortical bone trajectory versus pedicle screw techniques for lumbosacral spine fusion. <i>Journal of Spine Surgery</i> (2017) Vol 3 (4) doi: 10.21037/jss.2017.11.03
Journal Article	Lackey A , Laing B, Perkins A, Bryant M . Diagnosis in subdural myeloid sarcoma. <i>Neuroradiol J.</i> 2017 Jun;30(3):269-273.
Journal Article	Candy N, Young A, Devadass A, Dean A, McMillen J , Trivedi R. Dual lumbar bronchogenic and arachnoid cyst presenting with sciatica and left foot drop. <i>Acta Neurochir (Wien).</i> 2017 Oct;159(10):2029-2032.
Journal Article	Candy N, Young A, Allinson K, Carr O, McMillen J , Trivedi R. Metastatic Neuroendocrine Carcinoma of Unknown Origin Arising in the Femoral Nerve Sheath. <i>World Neurosurg.</i> 2017 Aug;104:1047
Journal Article	Antony J , Tetsworth K , Hohmann E. Influence of sagittal plane component alignment on kinematics after total knee arthroplasty. <i>Knee Surg Sports Traumatol Arthrosc.</i> 2017 Jun;25(6):1686-1691.
Journal Article	Philips, C., Jeffree, R. L. & Khasraw M. Management of breast cancer brain metastases: a practical review. <i>The Breast</i> (2017) 6 (31): 90-98
Journal Article	Ulett, K; Cockburn, J; Jeffree, R; Woods, M. Cerebral Cryptococcoma Mimicking Glioblastoma BMJ Case Reports Published online 10 February (2017), doi:10.1136/bcr-2016-218824
Letter	Phillips C, Jeffree R , Khasraw M. Reply to Dr Altundag from the authors of 'Management of breast cancer brain metastases; a practical review'. <i>Breast.</i> (2017) Aug;34:133.
Journal Article	Benyamin, B., J. He, Q. Zhao, J. Gratten, F. Garton, P. J. Leo, Z. Liu, M. Mangelsdorf, A. Al-Chalabi, L. Anderson, T. J. Butler, L. Chen, X. D. Chen, K. Cremin, H. W. Deng, M. Devine, J. Edson, J. A. Fifita, S. Furlong, Y. Y. Han, J. Harris, A. K. Henders, R. L. Jeffree , Z. B. Jin, Z. Li, T. Li, M. Li, Y. Lin, X. Liu, M. Marshall, E. P. McCann, B. J. Mowry, S. T. Ngo, R. Pamphlett, S. Ran, D. C. Reutens , D. B. Rowe, P. Sachdev, S. Shah, S. Song, L. J. Tan, L. Tang, L. H. van den Berg, W. van Rhee, J. H. Veldink, R. H. Wallace, L. Wheeler, K. L. Williams, J. Wu, X. Wu, J. Yang, W. Yue, Z. H. Zhang, D. Zhang, P. G. Noakes , I. P. Blair, R. D. Henderson , P. A. McCombe , P. M. Visscher, H. Xu, P. F. Bartlett, M. A. Brown, N. R. Wray and D. Fan (2017). "Cross-ethnic meta-analysis identifies association of the GPX3-TNIP1 locus with amyotrophic lateral sclerosis." <i>Nat Commun</i> 8(1): 611.
Journal Article	Phan, K., V. Ramachandran, T. M. Tran, K. P. Shah, M. Fadhil, A. Lackey , N. Chang, A.-M. Wu and R. J. Mobbs (2017). "Systematic review of cortical bone trajectory versus pedicle screw techniques for lumbosacral spine fusion." <i>Journal of Spine Surgery</i> 3(4): 679-688.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	J. Robusto, N. Ma Spinal Dysraphism: The Queensland Experience AANS CNS Paediatric Conference 2017
Poster	V. Ramen, R. L. Jeffree, D. A. Grieve. Conservative Management of Moderate to Severe Traumatic Brain Injury: Does it matter where? Neurosurgical Society of Australasia Annual Scientific Meeting 2017

ORAL & MAXILLOFACIAL SURGERY UNIT

The year saw a consistent output of research articles and presentations for the department. Ongoing randomised controlled trials continue to recruit patients steadily. The department formed important collaborations with external organisations to expand our research activities particularly in the area of head and neck oncology and reconstructive surgery. The department also acquired and began operating a virtual surgical planning and 3D printing facility. This will allow various projects to commence in this exciting surgical planning arena.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Michael Hurrell	PhD	Treatment delay in facial trauma	Martin Batstone
Timothy Liu	MPhil	Intermediate risk Oral cavity SCC	Martin Batstone
Benjamin Fu	MPhil	Determinants and outcome in odontogenic infection	Martin Batstone
Kelsey Moore	PhD (completed Jan 17)	Patient perception of survivorship following head and neck cancer treatment	Martin Batstone
Kelly McGowan	PhD, Griffith (2016-2019)	Risk factors for medication-related osteonecrosis of the jaws (MRONJ)	Caroline Acton , Newell Johnson, Robert Ware, Saso Ivanovski

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Martin Batstone	Andrew Higgins	Intraoperative CT scanning in Zygomatic fractures
Martin Batstone	Rachel Hsieh	Flo-Seal for dental extractions in inherited bleeding disorders
Caroline Acton	Saso Ivanoski, Kelly McGowan	Management of patients taking direct oral anticoagulants undergoing invasive dental treatment: a cohort study

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Beech NM, Porceddu S, Batstone MD . Radiotherapy-associated dental extractions and osteoradionecrosis. <i>Head Neck</i> . 2017 Jan;39(1):128-132.
Journal Article	Johnson NR, Roberts MJ, Doi SA, Batstone MD . Total temporomandibular joint replacement prostheses: a systematic review and bias-adjusted meta-analysis. <i>Int J Oral Maxillofac Surg</i> . 2017 Jan;46(1):86-92.
Journal Article	Burgess M, Leung M, Chellapah A, Clark JR, Batstone MD . Osseointegrated implants into a variety of composite free flaps: A comparative analysis. <i>Head Neck</i> . 2017 Mar;39(3):443-447.
Journal Article	Van Genechten ML, Batstone MD . The fate of the free flap pedicle after free tissue transfer to the head and neck area. <i>Oral Oncol</i> . 2017 Feb;65:65-67.
Journal Article	Pateman KA, Batstone MD , Ford PJ. Joining the dots: Can UW-QoL free-text data assist in understanding individual treatment experiences and QoL outcomes in head and neck cancer? <i>Psychooncology</i> . 2017 Feb 7.
Journal Article	Hsieh JT, Klein K, Batstone M . Ten-year study of postoperative complications following dental extractions in patients with inherited bleeding disorders. <i>Int J Oral Maxillofac Surg</i> . 2017 Sep;46(9):1147-1150.
Journal Article	Borgna SC , Clarke PT, Schache AG, Lowe D, Ho MW, McCarthy CE, Adair S, Field EA, Field JK, Holt D, Risk JM, Rajlawat BP, Triantafyllou A, Shaw RJ. Management of proliferative verrucous leukoplakia: Justification for a conservative approach. <i>Head Neck</i> . 2017 Oct;39(10):1997-2003.
Journal Article	Cho H, David MC, Lynham AJ, Hsu E . Effectiveness of irrigation with chlorhexidine after removal of mandibular third molars: a randomised controlled trial. <i>Br J Oral Maxillofac Surg</i> . 2017 Dec 6. pii: S0266-4356(17)30738-6.
Journal Article	Cho H, Lynham AJ, Hsu E . Postoperative interventions to reduce inflammatory complications after third molar surgery: review of the current evidence. <i>Aust Dent J</i> . 2017 Dec;62(4):412-419.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	M Batstone . Radiotherapy is overused in early stage Head and Neck Cancer. Australian and New Zealand Head and Neck Cancer Society Annual Scientific Meeting. Brisbane October 2017
Oral Invited	M Batstone . Mandibular Reconstruction. Australian and New Zealand Association of Oral and Maxillofacial Surgeons Annual Scientific Meeting. Sydney October 2017
Oral Invited	M Batstone . Disasters from the masters. Australian and New Zealand Association of Oral and Maxillofacial Surgeons Annual Scientific Meeting. Sydney October 2017
Oral Invited	M Batstone . Oral Cancer- Who, how, where, why. Brisbane Cancer Conference. Brisbane November 2017
Oral Invited	M Batstone . Margins in Oral Cavity Cancer. International Association of Oral and Maxillofacial Surgeons. Hong Kong. April 2017
Oral Invited	M Batstone . Maxillary Reconstruction. International Association of Oral and Maxillofacial Surgeons. Hong Kong. April 2017
Oral invited	M Batstone . Implant based rehabilitation. Challenges and solutions. International Academy of oral oncology. Bangalore, India May 2017

OPHTHALMOLOGY

The Ophthalmology Department carries out a number of research activities. The Oculoplastic Clinic continues to conduct ongoing clinical research into a number of areas including Ocular Adnexal Lymphoproliferative Disease, Thyroid Eye Disease, Orbital tumours and Periocular Malignancy.

Our corneal, retinal and glaucoma sub specialties have contributed a large amount of presentations and papers in 2017.

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Hogden, J	Corneal	Vancouver Eye Care Center	University of British Columbia
Chow, S-P	Research Advisory Committee Responsible for reviewing research grants from Australia and New Zealand; total of \$539,205 awarded in 2017	Ophthalmic Research Institute of Australia (ORIA)	

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Sing-Pey Chow Tim Sullivan	Suyi Siow	Ocular Manifestations and Quality of Life in Australian Patients with Ichthyosis
Sing-Pey Chow	Harrison Bennett, Andrew Apel, Peter Beckingsale	Management and Prevention of Corneal Graft Rejection: Current Practice Patterns of Australian and New Zealand Corneal Surgeons

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Chiang, M	Rising Star in Eye Health and Vision Care	Vision 2020 – Rising Star in Eye Health and Vision Care event, Parliament House, Canberra, September 2017

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Davies M, Patheja R, Sullivan TJ "Adult Orbital and Adnexal Xanthogranulomatous Disease" Asia Pacific Journal of Ophthalmology (Phila). 2017 Sep-Oct;6(5):435-443
Journal Article	Joos Z, Sullivan TJ Peri-Levator Palpebrae Superioris Triamcinolone Injection for the Treatment of Thyroid Eye Disease-Associated Upper Eyelid Retraction Clinical and Experimental Ophthalmology 2017 Aug;45(6):651-652
Journal Article	Mombaerts, Ilse, Bilyk, Jurij R., Rose, Geoffrey E., McNab, Alan A., Fay, Aaron, Dolman, Peter J., Allen, Richard C., Devoto, Martin H., Harris, Gerald J., Bernardini, Francesco P., Bonavolonta, Giulio, Codere, François, Cockerham, Kimberly P., Cruz, Antonio A. V., Dutton, Jonathan J., Garrity, James A., Goldberg, Robert A., Grove, Arthur S., Kazim, Michael, Kennerdell, John S., Kersten, Robert C., Kim, Yoon-Duck, Levine, Mark R., Lucarelli, Mark J., Mourits, Maarten P., Nerad, Jeffrey A., Orcutt, James C., Perry, Julian D., Putterman, Allen M., Seah, Lay Leng, Selva, Dinesh, Sivak-Callcott, Jennifer A., Stefanyszyn, Mary A., Strianese, Diego, Sullivan, Timothy J. and Verity, David "Consensus on diagnostic criteria of idiopathic orbital inflammation using a modified delphi approach" (2017) Consensus on diagnostic criteria of idiopathic orbital inflammation using a modified delphi approach. JAMA Ophthalmology, 135 7: 769-776
Book Chapter	Sullivan TJ "Lymphoproliferative Disorders" Chapter 15 In Diseases and Disorders of the Orbit and Ocular Adnexa, 1Ed Aaron Fay Peter Dolman (eds) Elsevier 2017
Book Chapter	Sullivan TJ "Histiocytic, Haematopoietic and Lymphoproliferative Disorders" In Lambert and Lyons: Pediatric Ophthalmology and Strabismus 5th Ed Elsevier
Journal Article	Undurraga EA, Behrman JR, Emmett SD, Kidd C, Leonard WR, Piantadosi ST, Reyes-García V, Sharma A , Zhang R, Godoy RA. "Child stunting is associated with weaker human capital among native Amazonian" - Am J Hum Biol. 2017 Sep 13. doi: 10.1002/ajhb.23059
Journal Article	Lin TC, Holland SP, Verma S, Hogden J and Arba-Mosquera S. Postoperative corneal asphericity in moderate and high myopic eyes after SmartSurf ACE photorefractive keratectomy. Journal of Cataract and Refractive Surgery (JSCRS), 2017
Book Chapter	Lin D, Holland S and Hogden, J. Chapter 15: Topography guided excimer laser surgery: Indications and Techniques. [In press] Management of Irregular Astigmatism. Springer Publishing
Journal Article	Chiang MY , Camugulia JE, Khaw PT. Novel method of extending glaucoma drainage tube – 'tube-in-tube' technique. J Glaucoma. 2017; 26: 93-95.
Book Chapter	Khaw PT, Chiang M , Shah P, Sii F, Lockwood A, Khalili A. Enhanced trabeculectomy: the Moorfields Safer Surgery System. Dev Ophthalmol, 59. Bettin P, Khaw PT, ed. Karger, 2017
Journal article	Chow S-P , Hopkinson CL, Tole DM, Jones MN, Cook SD, John Armitage W; National Health Service Blood and Ocular Tissue Advisory Group and Contributing Ophthalmologists (OTAG Study 23). Stability of visual outcome between 2 and 5 years following corneal transplantation in the UK. British Journal of Ophthalmology (2018) 102(1):37-41.
Journal Article	Fraenkel A, Lee LR , Todd B; Optic disc pit maculopathy. 2017 Oct 9 [Epub ahead of print]
Journal Article	Fraenkel A, Lee LR , Lee GA. Recurrent intraocular haemorrhage due to pars plana Baerveldt glaucoma drainage device. 2017 Jun 11 [epub ahead of print]

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Fraenkel A, Lee LR , Lee GA. Managing corneal foreign bodies in office-based general practice. Aust Fam Physician. 2017 Mar
Journal Article	Porter AJ, Lee LR , Bradshaw C. Bispectral index monitoring in vitrectomy surgery under local anaesthetic block with sedation: a single surgeon, single anaesthetist review. 2017 Jul [Epub 2017 Mar 31]
Journal Article	Simon P. Holland, MB, FRCSC (Presenting Author); David T.C. Lin, MD, FRCSC; Samuel Arba Mosquera, PhD; John Hogden , MD FRANZCO; Nicholas Davey, MD Trans-Epithelial Photorefractive Keratectomy (TEPRK) for Very Low Myopic Corrections. ASCRS, Los Angeles. May 2017.
Journal Article	David T.C. Lin, MD, FRCSC (Presenting Author); Simon P. Holland, MB, FRCSC; Samuel Arba Mosquera, PhD; John Hogden MD FRANZCO. Outcome of Moderate and High Myopic Trans-Epithelial Photorefractive Keratectomy with High Speed Excimer at One Year. ASCRS, Los Angeles. May 2017.
Journal Article	Simon P. Holland, MB, FRCSC (Presenting Author); David T.C. Lin, MD, FRCSC; John Hogden , MD FRANZCO; Samuel Arba Mosquera, PhD; Nicholas Davey, MD. Early Results of Topography Guided Photorefractive Keratectomy and Collagen CrossLinking for Post LASIK Ectasia. ASCRS, Los Angeles. May 2017.
Journal Article	David T.C. Lin, MD, FRCSC (Presenting Author); Simon P. Holland, MB, FRCSC; John Hogden , MBBS B.Sc; Samuel Arba Mosquera, PhD. Early Results of Topography Guided Photorefractive Keratectomy with Collagen Cross Linking for Keratoconus. ASCRS, Los Angeles. May 2017.
Journal Article	David T.C. Lin, MD, FRCSC (Presenting Author); Simon P. Holland, MB, FRCSC; John Hogden , MD FRANZCO; Samuel Arba Mosquera, PhD. Outcome of Photorefractive Keratectomy Versus Laser Assisted in Situ Keratomileusis for Myopia. ASCRS, Los Angeles. May 2017.
Journal Article	Simon P. Holland, MB, FRCSC (Presenting Author); David T.C. Lin, MD, FRCSC; John Hogden , MD FRANZCO; Samuel Arba Mosquera, PhD; Nicholas Davey, MD. Topography Guided Photorefractive Keratectomy for Correction of Irregular Astigmatism Following Penetrating Keratoplasty. ASCRS, Los Angeles. May 2017.
Journal Article	Lingwood, Barbara, MD (principal investigator), Eilby, Yvonne, MD, Ratnasingham, Abirami, UQCCR, Colditz, Paul, UQCCR, Donovan, Tim, MD . Long-term consequences of altered neonatal adiposity. 2017

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited Paper	Sullivan TJ “The Management of Thyroid Eye Disease: An Overview” Presented as an invited paper as part of the ANZSOPS Symposium at the 49th RANZCO Annual Scientific Meeting, Perth WA, October 2017
Invited paper	Sullivan TJ “Surgical management of Lacrimal Drainage system tumors” Presented as an invited paper at the XII Meeting of the International Society of Dacryology and Dry Eye, Athens Greece, October 2017
Invited paper	Sullivan TJ “Facial Nerve Palsy and Dry Eyes” Presented as an invited paper at the XII Meeting of the International Society of Dacryology and Dry Eye, Athens Greece, October 2017
Invited paper	Sullivan TJ “Congenital anomalies other than CNLDO “ Presented as an invited paper at the XII Meeting of the International Society of Dacryology and Dry Eye, Athens Greece, October 2017
Free paper	Holland L , Harrison J, Mitchell K, Brauchli D, Sullivan TJ “Endovascular treatment of carotid-cavernous sinus fistulas” Free Paper presentation at the Orbital Society Meeting, Brisbane, August 2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited paper	Sullivan TJ “Ophthalmic Management of Facial Nerve Palsy” Invited Keynote lecture combined ANZSOPS and NZAPS meeting Queenstown, New Zealand, August 2017
Invited paper	Sullivan TJ “Reconstruction of defects in the Periocular Region” Invited Keynote lecture combined ANZSOPS and NZAPS meeting Queenstown, New Zealand, August 2017
Invited paper	Sullivan TJ “Endoscopic Lacrimal Surgery my way” Invited Keynote lecture 3rd International Endoscopic Orbital Surgery Conference, Wenzhou, July 2017
Invited paper	Sullivan TJ “Thyroid Orbitopathy, the changing paradigm” Invited Keynote lecture 3rd International Endoscopic Orbital Surgery Conference, Wenzhou, July 2017
Invited paper	Sullivan TJ “Understanding Ptosis” Invited Keynote lecture New Zealand RANZCO Branch Meeting Waitangi May 2017
Invited paper	Sullivan TJ “Thyroid Eye Disease in the 21st Century” Invited Keynote lecture New Zealand RANZCO Branch Meeting Waitangi May 2017
Invited paper	Sullivan TJ “Oculoplastic Update 2017” Invited Keynote lecture New Zealand RANZCO Branch Meeting Waitangi May 2017
Invited paper	Sullivan TJ “Choosing Eyelid reconstruction Techniques” Invited Keynote lecture New Zealand RANZCO Branch Meeting Waitangi May 2017
Invited paper	Sullivan TJ “Considering challenging cases in oculoplastics. Thinking, planning and cutting, or not” Invited Keynote lecture New Zealand RANZCO Branch Meeting Waitangi May 2017
Invited paper	Sullivan TJ “Orbital Tumours: Towards Targeted Therapy” presented as an invited speaker at the ISOO Biennial Meeting Sydney March 2017
Invited paper	Sullivan TJ “Surgical Approaches to the Orbit” presented as part of the Ocular Adnexal Film Festival at the NSW RANZCO ASM, Sydney, March 2017
Invited paper	Sullivan TJ “Margin Control: En face frozen section control of margins” Presented as part of a Symposium on Margin Control for periocular malignancy at the NSW RANZCO ASM, Sydney, March 2017
Invited paper	Sullivan TJ “Clinical Aspects of Ocular Adnexal Lymphoma” Presented as part of the combined RANZCO ISOO Ophthalmic Pathology Workshop at the ISOO Biennial Meeting Sydney March 2017
Invited paper	Sullivan TJ “Congenital Orbital Deformities” Presented as an invited paper in the Orbital Instruction Course at the 32nd APAO meeting in Singapore March 1-4 2017
Invited paper	Sullivan TJ “IgG4 related Orbital Disease, Clinical Aspects” Presented as an invited paper in the APSOPRS Orbital Inflammation Symposium at the 32nd APAO meeting in Singapore March 1-4 2017
Invited paper	Sullivan TJ “Steroids and other immunosuppressive strategies” Presented as an invited paper in the APSOPRS Thyroid Eye Disease Symposium at the 32nd APAO meeting in Singapore March 1-4 2017
Oral paper	Park JJ “Management of diabetic retinopathy” Cotonou Ophthalmology Meeting, Cotonou, Benin, 11th January 2017, Invited lecture
Oral paper	Park JJ “Laser or not” case presentation, Qld RANZCO Meeting, Gold Coast, 5th August 2017
Presenting Author	Hogden J , MD FRANZCO; Simon P. Holland, MB, FRCS; David T.C. Lin, MD, FRCS; Samuel Arba Mosquera, PhD. Postoperative Asphericity after Transepithelial PRK with High Speed Excimer Laser. ASCRS, Los Angeles. May 2017.
Presenting Author	Hogden J , MD FRANZCO; Simon P. Holland, MB, FRCS; David T.C. Lin, MD, FRCS; Samuel Arba Mosquera, PhD. Ocular Scattering Index after Advanced Ablation with High Speed Excimer Laser. ASCRS, Los Angeles. May 2017.
Oral Invited	Chiang M. MIGS – Indications, Tips & Complications – Invited panel discussion. The Australian and New Zealand Glaucoma Interest Group Meeting 2017, Brisbane
Oral Invited	Chiang M. Exploring the Angle: What’s wrong or is it normal? Australian Vision Convention 2017, Gold Coast
Oral Invited	Chiang M. Complex Glaucoma Cases: Do I need to operate? Australian Vision Convention 2017, Gold Coast
Oral Invited	Chiang M. Glaucoma – What’s on the horizon? Australian Vision Convention 2017, Gold Coast
Oral Invited	Chiang M. Role of MIGS in Complex Glaucoma. RANZCO Annual Meeting 2017, Perth

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	Chiang M. Upda Oral Invited te on Pseudoexfoliation Syndrome and Pigment Dispersion Syndrome. RANZCO Annual Meeting 2017, Perth
Oral Invited	Chiang M. Assessing Barrier to Ophthalmology Services in QLD. RANZCO Annual Meeting 2017, Perth
Invited speaker	Chow S-P. Eye-banking in the United Kingdom. Eye Bank Association of Australia and New Zealand (EBAANZ) Annual Scientific Meeting, February 2017.
Invited speaker	Chow S-P. Management of the High-Risk Corneal Transplant. Australian and New Zealand Cornea Society (ANZCS) Annual Scientific Meeting, February 2017.
Invited speaker	Chow S-P. Corneal transplantation in 2017. Cornea and Contact Lens Society (Queensland Chapter) meeting, May 2017.
Oral presentation	Bennett H, Beckingsale P, Apel A, Chow S-P. Prevention and Management of Corneal Graft Rejection: Current Practice Patterns of Australian and New Zealand Corneal Surgeons. Royal Australian and New Zealand College of Ophthalmologists (RANZCO) Annual Scientific Meeting, October 2017.
Oral presentation	Lawrence, L. Euretina 2017 Optic Disc Pit Maculopathy
Oral presentation	Lawrence, L. Qld RANZCO 2017: Medical Retina Audit Poll & Case presentation chair
Oral presentation	Lawrence, L. APVRS 2017 : Posterior segment Trauma guidelines
Oral presentation	Lawrence, L. APVRS 2017: VR complications of glaucoma surgery

ORTHOPAEDIC SURGERY

The RBWH Department of Orthopaedic Surgery is widely recognised for its innovation and clinical excellence, while also consistently producing high quality research. We have been able to build on the momentum that has gathered over the past several years by collaborating with others locally, nationally, and internationally, fostering relationships that generate synergies. Once again, more than 20 formal publications from our Department appeared in 2017, marking the third consecutive year this milestone has been reached.

The key achievements for the year 2017 include publication of three separate systematic reviews and meta-analyses, one dealing with multi-ligament knee injuries, one comparing open and arthroscopic techniques for shoulder stabilisation, and the third comparing two different methods for rotator cuff repair. The FAITH trial finally concluded, after we have been involved for several years in this important international effort to investigate alternatives for fixation of displaced femoral neck fractures. It was extremely gratifying to see this study, involving 81 centres in 8 countries around the world, finally culminate in a publication in The Lancet.

We continue to have a very active interest in 3D modelling and printing, and have emerged over the past few years as a global leader in this field within orthopaedic surgery. We are already well established as one of the leaders in the reconstruction of massive long bone defects using 3D printed patient-specific titanium cages, a technique we pioneered here in 2015. Using this technology, we have been able to perform “world’s first” surgical procedures on a routine basis. Finally, we most recently acquired an Aether-1 bio-printer, one of the few available anywhere in the world, and will begin to investigate printing a novel marine collagen product. This complements our other 3D printers, with three currently in operation.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Nick Green	Masters – QUT – awarded December 2017	Impact of “in-house” 3D Printing used as a preoperative planning aide for complex fracture treatment	Kevin Tetsworth , Vaida Glatt, Carolyn Grant
Bilal Zahoor	PhD – University of Queensland	A cohort of pelvic fractures at a single Australian tertiary referral center 2010-2016: Epidemiology of pelvic fractures and bio-markers associated with mortality in extra-peritoneal pelvic packing for haemorrhagic pelvic fractures	Kevin Tetsworth , Daryl Wall
Joyce Antony	PhD – University of Queensland	Comparison of Subjective and Objective Measures of Patient Outcomes After Total Knee Replacement	Kevin Tetsworth , Erik Hohmann
Min Tri Phan	PhD – QUT	Femoral morphology variations and relevant implant fit in relation to peritrochanteric and distal femur fractures	Kevin Tetsworth , Beat Schmutz
Antony Rapisarda	PhD – UNSW	Identification of serum biomarkers for the diagnosis of orthopaedic infections and sepsis	Kevin Tetsworth , Jeff Lipman , Ross Crawford
Naomi Paxton	PhD - QUT	The future of clinical biofabrication: Creating patient-specific melt-electrospun scaffolds for bone regeneration	Kevin Tetsworth , Mia Woodruff

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Joseph Coory	Masters – James Cook University	Using a social media based psychological profile to predict dissatisfaction with elective total knee replacement	Kevin Tetsworth , Peter McEwen
Paul Tuckett	PhD – University of Queensland	Randomised controlled trial of operative vs non-operative treatment of humeral shaft fractures	Kevin Tetsworth , Bruce McPhee, Vaida Glatt
Chris Conyard	PhD – University of Queensland	Knee pain after IM nailing of tibial shaft fractures: Randomised controlled trial of infra-patellar vs supra-patellar insertion techniques	Kevin Tetsworth , Ross Crawford

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Mark Young	Honorary Research Fellow in Orthopaedic Surgery	A phase 1 study to evaluate the safety and feasibility of mesenchymal stromal cell therapy in participants with non-union tibial bone fractures	University of Queensland (2017-current)
Nick Green	Orthopaedic 3D Medical Modeller	3D Modelling and Printing in Orthopaedic Surgery	MNHHS (2015-current)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Brett Halliday	Jon Anderson , Debbie Geertshuis	Clinical outcomes and patient satisfaction following total hip and knee arthroplasty in patients with inherited coagulopathies: A retrospective analysis of 20 years
Richard Hanly	Luca Daniele , James Powell	Prospective case-controlled series using ankle arthroscopy in trauma
Paul McEniery	Luca Daniele	Assessment of biomechanical stability and kinematics using a novel anatomic distal radio-ulnar joint reconstruction
Jerry van de Pol	John Kinyanjui , Marita Prior , Macy Lu	Randomised controlled trial comparing short vs long tunnels for anterior cruciate ligament knee reconstructions: Clinical and radiographic characteristics
Andrew Mayo , Kevin Tetsworth	Luca Daniele	The effect of scaphoid reduction on carpal kinematics in scaphoid nonunion.
Kevin Tetsworth	Nick Green , Steve Kent , George Patterson, Vaida Glatt, Joyce Antony , George Banic	Statistical shape modelling from CT scans to assess the morphology and morphometry of adult human cadaveric tali: Gender-specific differences
Kevin Tetsworth	Nick Green , Luke Visscher , Marita Prior	Statistical shape modelling from CT scans to assess the morphology and morphometry of the adult human scapula: Design considerations for implants for surgical stabilisation

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Kevin Tetsworth	Nick Green, Luke Visscher, Marita Prior	Statistical shape modelling from CT scans to assess the morphology and morphometry of the adult human humerus
Kevin Tetsworth	Nick Green, Luke Visscher, Marita Prior, Erik Hohmann	Statistical shape modelling from MRI scans to assess the morphology and morphometry of the adult human glenoid, to assess the contribution of the labrum and its influence on version and inclination: The relationship with shoulder instability
Kevin Tetsworth	Jessica van den Heuvel, Marita Prior	The natural history of post-traumatic malalignment: radiographic correlation between varus/valgus and medial/lateral degenerative arthritis
Kevin Tetsworth	Miran Stubican, Marita Prior	Clinical and radiographic characteristics of combined pilon and talus/talar dome injuries
Kevin Tetsworth	Bhanu Manickavasagam, Nick Green	3D bioprinting of a novel marine collagen for use in orthopaedic regenerative medicine
Kevin Tetsworth	Ibin Varughese	Clinical series using the Masquelet induced membrane technique for long bone reconstruction
Kevin Tetsworth	Matt Randell, Vaida Glatt, Annabelle Stabler, Tom Bussolletti, Erik Hohmann	Case-match controlled series comparing minimally invasive percutaneous anterior plating to formal open reduction and internal fixation for humeral shaft fractures
Kevin Tetsworth	Rishi Narasimhan	Meta-synthesis of outcomes after anterior minimally invasive plating for stabilization of humeral shaft fractures – the first 1,000 cases published globally
Kevin Tetsworth		Design considerations for an implant specific for percutaneous anterior minimally invasive plating of humeral shaft fractures
Kevin Tetsworth	Luke Visscher, Nick Green	Design considerations for an implant specific for stabilisation of scapular fractures
Kevin Tetsworth, Jerry van de Pol	Steven Kent	Validation of a classification scheme for malunions and nonunions of the proximal tibia and tibial plateau
Kevin Tetsworth	Ishwar Bhattarai, Elliott D'Costa	The burden of orthopaedic infection in Australia – audit of clinical activity and acute referrals to a general orthopaedic unit in a major metropolitan public hospital
Kevin Tetsworth	Alexey Borshch	Analysis of failure of surgical treatment for adult chronic osteomyelitis
Kevin Tetsworth, Jerry van de Pol	Tom Crookes, Marita Prior	Clinical and radiographic outcomes after internal fixation of glenoid neck fractures through a modification of the modified Judet approach
Kevin Tetsworth	Daryl Wall, Bilal Zahoor, Josh Piercey	A cohort of pelvic fractures at a single Australian tertiary referral center 2010-2016: Epidemiology of pelvic fractures and bio-markers associated with mortality in extra-peritoneal pelvic packing for haemorrhagic pelvic fractures
Kevin Tetsworth	Jeff Lipman, Antony Rapisarda, Sara Martinez-Martos	Identification of serum biomarkers for the diagnosis of orthopaedic infections and sepsis
Kevin Tetsworth	Chris Conyard, Ross Crawford	Knee pain after intra-medullary nailing of tibial shaft fractures: Randomised controlled trial of infra-patellar vs supra-patellar insertion techniques
Kevin Tetsworth	Richard Hanly	Delays in coverage of open fractures: clinical outcomes and incidence of deep infection with type 4 open tibial fractures
Kevin Tetsworth	Nick Green	Geographical mapping of injuries to the talar dome and talus associated with distal tibial pilon fractures
Kevin Tetsworth, Mark Young, Jerry van de Pol	John Anderson	A phase 1 study to evaluate the safety and feasibility of mesenchymal stromal cell therapy in participants with non-unions of tibia fractures

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Kevin Tetworth	Liz Hines, Samantha Dowling	Infections associated with fasciotomy wounds
Kevin Tetworth	Peter Wong	Preliminary results using infrared thermal imaging to determine bone viability in open tibial fractures
Kevin Tetworth	Peter Wong	Bisphosphonate related atraumatic spino-pelvic dissociation
Kevin Tetworth		Temporal evolution of the microbiome in Type 4 (neglected) open fractures
Kevin Tetworth	Marita Prior	Proposed classification scheme for post-traumatic skeletal defects, with a validation study in a clinical series of long bone fractures
Kevin Tetworth	Rishi Narasimhan, Minoo Patel (Melbourne), Australian Limb Lengthening and Reconstruction Society	Clinical implications of patients returning to Australia after undergoing complex limb reconstruction and elective lengthening procedures overseas
Kevin Tetworth	Vaida Glatt, Anna Woloszyk (Univ of Texas, San Antonio)	3D printed patient-specific titanium scaffolds for the management of massive bone defects
Kevin Tetworth	Paul Tuckett, Vaida Glatt (Univ of Texas, San Antonio)	Randomised controlled trial of operative vs non-operative treatment of humeral shaft fractures
Kevin Tetworth	Travis Parkulo (Marshall University, West Virginia), Erik Hohmann (Dubai), Julian Tetworth	Triangular antiprisms: The geometry of hexapod external fixators and the etiology of paradoxical accelerated lengthening

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Erik Hohmann (Dubai), Vaida Glatt (Univ of Texas, San Antonio), Natalie Keough (Pretoria), Reinhard Putz, Andreas Imhoff (Munich)	Kevin Tetworth	The biomechanical properties of fresh versus fresh/frozen and preserved (Thiel and Formalin) long head of biceps tendons: A comparative investigation
Erik Hohmann (Dubai), Vaida Glatt (Univ of Texas, San Antonio),	Kevin Tetworth	Surgical treatment of Neer type-II distal clavicle fractures. An overview of contemporary techniques.
Erik Hohmann, Vaida Glatt (Univ of Texas, San Antonio), Maketo Malepo, Franz Birkholtz (Pretoria)	Kevin Tetworth	Functional outcomes of failed plate fixation in distal tibial fractures salvaged by hexapod external fixators

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Erik Hohmann (Dubai), Vaida Glatt (Univ of Texas, San Antonio),	Kevin Tetsworth	Hamstring/quadriceps ratios in anterior cruciate ligament-deficient and anterior cruciate ligament-reconstructed knees
Erik Hohmann (Dubai), Vaida Glatt (Univ of Texas, San Antonio),	Kevin Tetsworth	Open versus arthroscopic acromioclavicular joint resection: a systematic review and meta-analysis
Erik Hohmann (Dubai), Vaida Glatt (Univ of Texas, San Antonio), Andrew Jamieson (Glasgow)	Kevin Tetsworth	Swimming induced pulmonary oedema in athletes: A systematic review
Vaida Glatt, Anna Woloszyk (Univ of Texas, San Antonio)	Kevin Tetsworth	Genomic analysis of growth factors associated with human induced (Masquelet) membranes: differential gene expression specific to osteogenesis, chondrogenesis, angiogenesis, and stem cell recruitment
Vaida Glatt, Anna Woloszyk (Univ of Texas, San Antonio)	Kevin Tetsworth	Genomic analysis of growth factors associated with early fracture healing under different mechanical conditions
Vaida Glatt (Univ of Texas, San Antonio), Steve Block, Greg Hardy	Kevin Tetsworth	Design of biomimetic 3D printed titanium cages
Joseph Coory, Peter McEwen, Matthew Wilkinson (Townsville)	Kevin Tetsworth	Using a social media based psychological profile to predict dissatisfaction with elective total knee replacement
Ian Harris (Sydney), Mithun Joshi, John Limbers, Zsolt Balogh (Newcastle)	Kevin Tetsworth	SOFIE (S urgery for O lecranon F ractures I n the E lderly): Randomized controlled trial of operative vs non-operative treatment of olecranon fractures in the elderly
Ajay Pandey (QUT), Ross Crawford	Kevin Tetsworth, Nick Green, Richard Hanly	Robotic-assisted reduction and stabilisation of intra-articular calcaneal fractures
Munjed Al Muderis (University of Notre Dame, Sydney), Solon Rosenblatt, William Lu	Kevin Tetsworth	Transcutaneous endo-prosthetic reconstruction of wheelchair bound transfemoral amputees
Munjed Al Muderis (University of Notre Dame, Sydney), Solon Rosenblatt, William Lu	Kevin Tetsworth	Transcutaneous endo-prosthetic reconstruction of military blast injuries
Munjed Al Muderis (University of Notre Dame, Sydney), Solon Rosenblatt, William Lu	Kevin Tetsworth	Transcutaneous endo-prosthetic reconstruction of trans-tibial amputees
Munjed Al Muderis (University of Notre Dame, Sydney), Seamus Thompson, William Lu	Kevin Tetsworth	Osseointegrated implants for transfemoral amputees: Radiographic evaluation of bone remodeling

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Munjed Al Muderis (University of Notre Dame, Sydney), Solon Rosenblatt, William Lu	Kevin Tetworth	Osseointegrated implants for transfemoral amputees: Temporal evaluation of changes in bone mineral density in the femoral residuum and the adaptive response to loading
Munjed Al Muderis (University of Notre Dame, Sydney), Solon Rosenblatt, William Lu, Fareed Khadim (Baghdad)	Kevin Tetworth	Mega-prosthetic reconstruction of devastating military blast injuries of the shoulder and elbow: Preliminary clinical results of a consecutive series in Baghdad, Iraq
Munjed Al Muderis (University of Notre Dame, Sydney), Solon Rosenblatt, William Lu	Kevin Tetworth	Morphology and morphometry of the residual femur after trans-femoral amputation – implications for the design of implants used for osseointegration to reconstruct amputees
Edward Botros, Randy Bindra (Gold Coast)	Kevin Tetworth	Complications following internal fixation of olecranon fractures: comparison of plates and tension-band wires
Paul Tuckett, Matthew Hope (Princess Alexandra)	Kevin Tetworth, Arvind Puri	Transarticular tibio-talo-calcaneal nailing versus open reduction and internal fixation for treatment of the elderly ankle fracture: protocol for a multi-centre, prospective, randomised controlled trial.
Pablo Corona (Barcelona)	Kevin Tetworth, Vaida Glatt (Univ of Texas, San Antonio)	Using 3D printed models to preoperatively plan for the application of circular fixators for gradual deformity correction
Cengiz Sen (Istanbul)	Kevin Tetworth	Supracondylar nail augmented acute shortening/lengthening for the treatment of infected nonunion of the distal femur with bone loss
Matthew Hope (Princess Alexandra), Cliff Pollard, Kirsten Vallmuur, Cate Cameron, Jacelle Lang (Jamieson Trauma Institute)	Kevin Tetworth, Jerry van de Pol	The economic impact of lower extremity injuries at two major trauma centres in Brisbane, Australia
Gunnar Norstedt (Karolinska Institute, Stockholm), (Per Prisell (Burnie), Mark Wilson (Sunshine Coast)	Kevin Tetworth	Genomic analysis of hip muscles for biomarkers specific to heterotopic ossification: comparison of gluteus minimus and medius muscles

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Piercey J, McEniery P , Green N . Deep transverse metacarpal ligament reconstruction using suture button and A1 pulley. Techniques in Hand & Upper Extremity Surgery 2017; 21(4): 128–30; doi: 10.1097/BTH.0000000000000169
Journal Article	Hanly RJ , Sokolowski S, Timperley AJ. The SPAIRE technique allows sparing of the piriformis and obturator internus in a modified posterior approach to the hip. Hip Int 2017; 27(2): 205 – 209; DOI: 10.5301/hipint.5000490.
Journal Article	Glatt V, Evans C, Tetsworth K . A concert between biology and biomechanics: The influence of the mechanical environment on bone healing. Frontiers in Physiology 2017; 7: 678; https://doi.org/10.3389/fphys.2016.00678 .
Journal Article	Tetsworth K , Block S, Glatt V. Putting 3D modeling and 3D printing into practice: Virtual surgery and preoperative planning to reconstruct complex post-traumatic skeletal deformities and defects. SICOT-J 2017; 3,16: 1-8; DOI: 10.1051/sicotj/2016043.
Journal Article	Kumar K, Thomas A, Tetsworth K , Hohmann E. Is there a short-term benefit from an intra-articular steroid injection in female patients with adhesive capsulitis of the shoulder treated with physiotherapy? J Orthop Surg 2017; 25 (1): 1-6, 2309499016684976. DOI: 10.1177/2309499017690463.
Journal Article	Hohmann E, Meta M, Navalgund V, Tetsworth K . The relationship between radiological alignment of united distal radius fractures and functional and patient-perceived outcomes in elderly patients. J Orthop Surg 2017; 25 (1): 1-6, 2309499016684976. DOI: https://doi.org/10.1177/2309499016684976 .
Journal Article	Tetsworth K , Fraser D, Glatt V, Hohmann E. Use of Google Scholar public profiles in orthopaedics: Rate of growth and changing international patterns. J Orthop Surg 2017; 25(1) 1–7; DOI: 10.1177/2309499017690322.
Journal Article	Wang Q, Verrall I, Walker R, Tetsworth K , Drobetz H. U-type bilateral sacral fracture with spino-pelvic dissociation caused by epileptic seizure. J Surg Case Reports 2017; 3:1-3; doi: 10.1093/jscr/rjx043.
Journal Article	Hohmann E, Glatt V, Tetsworth K . Orthopaedic research in Australia. Bibliometrics of publication rates in the top 15 journals. ANZ Journal of Surgery 2017; 15: 23-30.
Journal Article	Hohmann E, Birkholtz F, Glatt V, Tetsworth K . The “Road to Union” protocol for the reconstruction of isolated complex high-energy tibial trauma. Injury 2017; 48: 1211-16. DOI: http://dx.doi.org/10.1016/j.injury.2017.03.018 .
Journal Article	Al Muderis M, Lu W, Tetsworth K , Bosley B, Li JJ. Single-stage osseointegrated reconstruction and rehabilitation of lower limb amputees: the Osseointegration Group of Australia Accelerated Protocol-2 (OGAAP-2) for a prospective cohort study. BMJ Open. 2017; 7(3): e013508. doi: 10.1136/bmjopen-2016-013508. PMID: 28336738.
Journal Article	Anthony J , Varughese I , Glatt V, Tetsworth K , Hohmann E. Influence of the labrum on version and diameter of the glenoid: A morphometric study using magnetic resonance images. Arthroscopy 2017; 33(8): 1442-47. pii: S0749-8063(17)30119-6. doi: 10.1016/j.arthro.2017.01.045. [Epub ahead of print] PMID:28412061.
Journal Article	Van Niekerk AH, Birkholtz FF, de Lange P, Tetsworth K , Hohmann E. Circular external fixation and cemented PMMA spacers for the treatment of complex tibial fractures and infected nonunions with segmental bone loss. J Orthop Surgery 2017; 25(2): 1-8. DOI: 10.1177/2309499017716242.
Journal Article	Hohmann E, Glatt V, Tetsworth K . World orthopaedic research activity 2010-2014. Publication rates in the top 15 orthopaedic journals related to population size and gross domestic product. World J of Ortho 2017; 8(6): 514-23.
Journal Article	Tetsworth K , Paley D, Sen C, Jaffe M, Maar D, Glatt V, Hohmann E, Herzenberg J. Bone transport versus acute shortening for the management of infected tibial non-unions with bone defects. Injury 2017; 48(10): 2276-84.
Journal Article	Hohmann E, Glatt V, Tetsworth K . Early or delayed reconstruction in multi-ligament knee injuries: A systematic review and meta-analysis. Knee 2017; 24(5): 909-16. http://dx.doi.org/10.1016/j.knee.2017.06.011

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Hohmann E, Tetsworth K , Glatt V. Open versus arthroscopic surgical treatment for anterior shoulder dislocation: a comparative systematic review and meta-analysis over the past 20 years. J Shoulder Elbow Surg 2017; 26(10): 1873-80. https://doi.org/10.1016/j.jse.2017.04.009 .
Journal Article	Hohmann E, König A, Kat CJ, Glatt V, Tetsworth K , Keough N. Single- versus double-row repair for full-thickness rotator cuff tears using suture anchors. A systematic review and meta-analysis of basic biomechanical studies. Eur J Orthop Surg Traumatol. 2017 Dec . doi:10.1007/s00590-017-2114-6. PMID: 29270867.
Journal Article	Antony J, Tetsworth K , Hohmann E. Influence of sagittal plane component alignment on kinematics after total knee arthroplasty. Knee Surg Sports Traumatol Arthrosc 2017; 16: 1-6.
Journal Article	Hohmann E, Footitt F, Tetsworth K . Relationships between radiographic pre- and post-operative alignment and patient perceived outcomes following Weber B and C ankle fractures. Foot Ankle Int 2017; 38(3): 270-76. doi:10.1177/1071100716674703.
Journal Article	FAITH Investigators. Fracture fixation in the operative management of hip fractures (FAITH): An international, multi-centre, randomised controlled trial. Lancet 2017 March 3; pii: S0140-6736(17)30066-1. doi: 10.1016/S0140-6736(17)30066-1. PMID: 28262269. (Including Flynn A, Halliday B, Holt M, Tetsworth K, Yang S, Pincus P, Gervais T)
Book chapter	FAITH Tetsworth K , Bhattarai I: "Surgical management of chronic adult osteomyelitis", in Basic Techniques for Extremity Reconstruction. Edited by Cakmak, Sen, Eralp, Balci, Springer Verlag International, Switzerland (2016) ISBN 97x-3-31x-0363x-0.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Geertshuis D, Anderson J, Halliday B . Clinical outcomes and patient satisfaction following total hip and knee arthroplasty in patients with inherited coagulopathies: A retrospective analysis of 20 years experience. AOA Annual Scientific Meeting, Adelaide, South Australia, 9 October 2017
Oral	Tetsworth K , Al Muderis M. Is single stage surgery the future of osseointegration? 7th International Conference – Advances in Orthopedic Osseointegration - Coronado, San Diego, California - March 12-13, 2017.
Oral	Tetsworth K , Al Muderis M. Clinical outcomes of osseointegrated reconstruction of wheelchair bound trans-femoral amputees. 7th International Conference – Advances in Orthopedic Osseointegration - Coronado, San Diego, California - March 12-13, 2017.
Oral	Tetsworth K , Al Muderis M. Osseointegration in patients with peripheral vascular disease 7th International Conference – Advances in Orthopedic Osseointegration - Coronado, San Diego, California - March 12-13, 2017.
Invited speaker	Tetsworth K . 3D modelling and printing in the management of segmental bone defects. Limb Lengthening and Reconstruction Society Specialty Day, American Academy of Orthopedic Surgeons San Diego, California - March 18, 2017.
Invited speaker	Tetsworth K . The mangled lower extremity. Masters Fracture Forum Huntington Beach California – April 22, 2017.
Oral	Tetsworth K , Al Muderis M. Osseointegration in patients with peripheral vascular disease. ISPO World Congress Cape Town, South Africa May 8-11 2017
Oral	Tetsworth K , Al Muderis M. Mid to long-term outcomes following lower extremity osseointegration. ISPO World Congress Cape Town, South Africa May 8-11 2017
Invited speaker	Tetsworth K Management of complex distal tibial plafond fractures. APAC and Emerging Markets Trauma Solutions, Singapore, May 13-14 2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited speaker	Tetsworth K. Management of ankle and calcaneus fractures. APAC and Emerging Markets Trauma Solutions, Singapore, May 13-14 2017
Invited speaker	Tetsworth K. Distal femoral traumatic bone loss. APAC and Emerging Markets Trauma Solutions, Singapore, May 13-14 2017
Invited speaker	Tetsworth K. Neglected open fractures. APAC and Emerging Markets Trauma Solutions, Singapore, May 13-14 2017
Invited speaker	Tetsworth K. Pre-operative planning of lower extremity deformity: malalignment test, CORA method, and osteotomy rules. 3rd Intercontinental Meeting of 3D Surgery (Defects, Deformities, Discrepancies), Istanbul, Turkey, May 24-27 2017
Invited speaker	Tetsworth K. Taylor Spatial Frame: How does it differ from Ilizarov? 3rd Intercontinental Meeting of 3D Surgery (Defects, Deformities, Discrepancies), Istanbul, Turkey, May 24-27 2017
Invited speaker	Tetsworth K. Options for management of traumatic segmental skeletal defects. 3rd Intercontinental Meeting of 3D Surgery (Defects, Deformities, Discrepancies), Istanbul, Turkey, May 24-27 2017
Invited speaker	Tetsworth K. Advantages of the Masquelet technique. 3rd Intercontinental Meeting of 3D Surgery (Defects, Deformities, Discrepancies), Istanbul, Turkey, May 24-27 2017
Invited speaker	Tetsworth K. Extra articular deformity: Implications for total knee arthroplasty. 3rd Intercontinental Meeting of 3D Surgery (Defects, Deformities, Discrepancies), Istanbul, Turkey, May 24-27 2017
Invited speaker	Tetsworth K. Combined techniques for the safe correction of very large tibial rotational deformities in adults. 3rd Intercontinental Meeting of 3D Surgery (Defects, Deformities, Discrepancies), Istanbul, Turkey, May 24-27 2017
Invited speaker	Tetsworth K, Al Muderis M. Osseointegration: The ultimate post-traumatic limb reconstruction? 3rd Intercontinental Meeting of 3D Surgery (Defects, Deformities, Discrepancies), Istanbul, Turkey, May 24-27 2017
Invited speaker	van de Pol J, 3D printing and modeling: Orthopaedic applications, Annual Scientific Meeting of the Royal Australian College of Surgeons, Adelaide, South Australia, 11 May 2017
Oral	Narasimhan R, Stabler A, Tetsworth K. Percutaneous anterior plating of humeral shaft fractures: Experience at the Royal Brisbane Hospital. Australian Orthopaedic Trauma Society Annual Meeting, Hamilton Island, Queensland 23-25 June 2017
Oral	Tetsworth K, Wong P. Preliminary results using infrared thermal imaging to determine bone viability in open tibial fractures 3rd World Ortho Recon Congress and Combined ASAMI/ILLRS Meeting, Estoril, Portugal, 31 August- 2 Sept 2017
Oral	Tetsworth K, Al Muderis M. The use of osseointegrated titanium implants to reconstruct trans-tibial amputees 3rd World Ortho Recon Congress and Combined ASAMI/ILLRS Meeting, Estoril, Portugal, 31 August- 2 Sept 2017
Oral	Tetsworth K Triangular antiprisms: the geometry of the hexapod and the aetiology of paradoxical accelerated lengthening. 3rd World Ortho Recon Congress and Combined ASAMI/ILLRS Meeting, Estoril, Portugal, 31 August- 2 Sept 2017
Oral	Tetsworth K Designing 3D printed scaffolds to reconstruct skeletal defects 3rd World Ortho Recon Congress and Combined ASAMI/ILLRS Meeting, Estoril, Portugal, 31 August- 2 Sept 2017
Oral	Tetsworth K Using 3D printed scaffolds together with the Masquelet technique for the reconstruction of segmental bone defects 3rd World Ortho Recon Congress and Combined ASAMI/ILLRS Meeting, Estoril, Portugal, 31 August- 2 Sept 2017
Invited speaker	Tetsworth K Percutaneous anterior plating of humeral shaft fractures, 4th American Academy of Orthopedic Surgeons/Indian Orthopedic Association Trauma Conclave, Goa, India, 8-11 Sept 2017
Invited speaker	Tetsworth K Complex reconstruction of distal tibial fractures using external fixation, 4th American Academy of Orthopedic Surgeons/Indian Orthopedic Association Trauma Conclave, Goa, India, 8-11 Sept 2017
Invited speaker	Tetsworth K Mastering debridement of chronic osteomyelitis, 4th American Academy of Orthopedic Surgeons/Indian Orthopedic Association Trauma Conclave, Goa, India, 8-11 Sept 2017
Invited speaker	Tetsworth K Percutaneous ilio-sacral screw stabilization of pelvic ring injuries, 4th American Academy of Orthopedic Surgeons/Indian Orthopedic Association Trauma Conclave, Goa, India, 8-11 Sept 2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited speaker	Tetsworth K Technique for application of a Spatial Frame for acute fractures, 4th American Academy of Orthopedic Surgeons/Indian Orthopedic Association Trauma Conclave, Goa, India, 8-11 Sept 2017
Invited speaker	Tetsworth K Infected non-union distal humerus, 4th American Academy of Orthopedic Surgeons/ Indian Orthopedic Association Trauma Conclave, Goa, India, 8-11 Sept 2017
Oral	Tetsworth K Using custom 3D printed scaffolds together with the Masquelet technique for the reconstruction of massive femoral bone defects, 33rd Annual Meeting of the Orthopedic Trauma Association, Vancouver, British Columbia, Canada, 11-14 Oct 2017
Oral	Daniele L , Rebgetz P, Oechsner A, Taylor F. Biomechanical stability of radial head fracture fixation with headless compression screws. Australian Orthopaedic Association Annual Meeting, Adelaide, South Australia 8-11 Oct 2017
Oral	Wong P, Tetsworth K . Preliminary results using infrared thermal imaging to determine bone viability in open tibial fractures. Australian Orthopaedic Association Annual Meeting, Adelaide, South Australia 8-11 Oct 2017
Oral	Randell M, Stabler A, Tetsworth K . Percutaneous anterior plating of humeral shaft fractures. Australian Orthopaedic Association Annual Meeting, Adelaide, South Australia 8-11 Oct 2017
Oral	Green N , Tetsworth K , Grant C, Glatt V. Impact of “in-house” 3D printing as a preoperative planning aide for calcaneal fracture treatment. Australian Orthopaedic Association Annual Meeting, Adelaide, South Australia 8-11 Oct 2017
Oral	Tetsworth K . Al Muderis M Osseointegrated implants for transfemoral amputees - radiographic evaluation of bone remodeling, 33rd Annual Meeting of the Orthopedic Trauma Association, Vancouver, British Columbia, Canada, 11-14 Oct 2017
Invited speaker	Tetsworth K Using ring fixators in trauma: Tibial plateau fractures, 33rd Annual Meeting of the Orthopedic Trauma Association, Vancouver, British Columbia, Canada, 11-14 Oct 2017
Invited speaker	Tetsworth K Principles of fracture fixation, AO Trauma Basic Course, Sydney, NSW, 6 March 2017
Invited speaker	Tetsworth K Fracture classification: Developing a treatment plan, AO Trauma Basic Course, Sydney, NSW, 6 March 2017
Invited speaker	Tetsworth K Chronic osteomyelitis: Debridement techniques and treatment strategies in the 21st Century, Australian Limb Lengthening and Reconstruction Society Annual Meeting, Sydney, NSW, 2-4 June 2017
Invited speaker	Tetsworth K 3D modelling and printing in the management of segmental skeletal defects, Australian Limb Lengthening and Reconstruction Society Annual Meeting, Sydney, NSW, 2-4 June 2017
Invited speaker	Tetsworth K Normal axes and the malalignment test, Australian Limb Lengthening and Reconstruction Society Annual Meeting, Sydney, NSW, 2-4 June 2017
Invited speaker	Tetsworth K Taylor Spatial Frame web-based software, Australian Limb Lengthening and Reconstruction Society Annual Meeting, Sydney, NSW, 2-4 June 2017
Invited speaker	Tetsworth K 3D Printed patient specific implants in complex limb salvage, Deformity Down Under – Spinal Surgery Meeting, Sydney, NSW, 4 August 2017
Invited speaker	Tetsworth K 3D printed patient-specific implants and complex orthopaedic reconstruction: Game changer or over hyped nonsense? 2cd Annual Combined Orthopaedic and Anaesthetics Meeting, Terrigal, NSW, 10 November 2017
Poster	Tetsworth K , Isaacs J, Glatt V. Patient-specific 3D printed titanium truss strut implants combined with the Masquelet technique for segmental bone loss: Preliminary results of treatment. Orthopedic Research Society, San Diego, California – 20-21 March 2017.
Poster	Tetsworth K , Lu W, Rosenblatt S, Muderis MA. Osseointegrated reconstruction of wheelchair bound amputees. 16th ISPO World Congress, Cape Town, South Africa – 8-11 May 2017
Poster	Mudyara L, Lu W, Rosenblatt S, Tetsworth K , Muderis MA. The use of osseointegrated titanium implants to treat bilateral amputees. 16th ISPO World Congress, Cape Town, South Africa – 8-11 May 2017

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Muderis MA, Lu W, Li JJ, Glatt V, Tetsworth K . Osseointegration for the reconstruction of devastating lower limb military and terrorist blast injuries. 16th ISPO World Congress, Cape Town, South Africa – 8-11 May 2017
Poster	Manickavasagam B, Green N , Tetsworth K . 3D bioprinting of a novel marine collagen for use in orthopaedic regenerative medicine. 2017 Defense Innovation Technology Acceleration Challenges, Tampa Florida – 3-5 October 2017

Other communications and outputs:

(a) **Kevin Tetsworth ResearchGate Profile:** https://www.researchgate.net/profile/Kevin_Tetsworth

(b) **Kevin Tetsworth Google Scholar Profile:** <https://scholar.google.com.au/citations?user=bx9ktUgAAAAJ&hl=en>

(c) **Jerry van de Pol Google Scholar Profile:** <https://scholar.google.com.au/citations?user=hp0pFGMAAAAJ&hl=en>

(d) **Dennis Hartig Google Scholar Profile:** <https://scholar.google.com.au/citations?user=VY5f5jAAAAAJ&hl=en>

(e) **Kevin Tetsworth/RBWH AOA Research Networking Map:** [https:// www.aoa.org.au/research/researchmap](https://www.aoa.org.au/research/researchmap)

(f) **Kevin Tetsworth PubMed/NCBI:** <https://www.ncbi.nlm.nih.gov/sites/myncbi/1nUysixHnhkQe/bibliography/53341976/public/?sort=date&direction=ascending>

RESEARCH INTEREST GROUP ON ANAESTHETICS/ DEPARTMENT OF ANAESTHETICS

The ultimate goal and objective behind research within the department of Anaesthetics and Research Interest Group in Anaesthesia (RIGA) is to improve patient care. The department has placed a strong focus on investigator lead research, as well as translation of evidence based best practice through the development and official opening of the Centre for Excellence and Innovation in Anaesthesia (CEIA). This combined with the continuing work through the ANZCA CTG has made 2017 a very busy and rewarding year for the department.

There are 7 research higher degree staff members within the department, 6 of which successfully gained scholarships to conduct their research in 2017. The department has also been awarded \$150,000 worth of funding from national and international grant bodies. Our research has been acknowledged through the presentation of several awards and accolades:

- Victoria Eley - Complex Health Challenges, Obstetric Medicine Research Team, Metro North Excellence Awards and
- Victoria Eley, Adrian Chin, Isabelle Tham, Jee Poh, Perminder Aujla, Emma Glasgow, Hannah Brown, Katherine Steele, Lachlan Webb, André van Zundert - The Professor William Egerton Award, Royal Brisbane and Women's Hospital Symposium
- Julie Lee - Kevin McCaul Prize, Australian Society of Anaesthetists
- Rochelle Ryan - Gilbert Troup Prize, Australian Society of Anaesthetists
- Prof Andre van Zundert – top 10 Anaesthesia paper of the year, Journal of the Association of Anaesthetists of Great Britain and Ireland.
- Genevieve Goulding Women in Medicine Award, Australian Medical Association

Victoria Eley completed her PhD this year. Following this she was also awarded an academic title of Associate Professor with the University of Queensland.

At the end of 2017 our department has 6 staff members undertaking a higher degree, published 8 book chapters, 1 book, 37 journal articles and 13 conference presentations. There has been an increase in all research output compared to 2016, and we are looking to continue to expand our research capability in 2018.



SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Cienwen Town	PhD (2017-2021)	Regional Anaesthesia as an intervention for the treatment of burn related procedural pain.	Haakan Strand, Prof Andre van Zundert, James Johnson.
Lizanne Dagleish	PhD (2016-2020)	Microcirculatory Dysfunction and Skin failure in critically ill patients: an exploratory study.	Prof Fiona Coyer, Kathleen Finlayson, Prof Andre van Zundert, Jill Campbell.
Victoria Eley	PhD-completed (2017)	Clinical guidelines relating to the anaesthetic management of obese parturients: an evaluation of the evidence supporting the recommendations and their utility in clinical practice	Prof Leonie Callaway, Prof Jeffrey Lipman and Prof Andre van Zundert
Julie Lee	PhD (2015 -2019)	ROTEM Thromboelastometry in Obstetrics	Prof Andre van Zundert, Jeremy Cohen, A/Prof Kerstin Wyssusek, and A/Prof Victoria Eley.
Michelle Roets	PhD (2017- 2021)	Intraoperative cell salvage: A cost-benefit analysis.	A/Prof David Sturgess, Prof Andre Van Zundert, A/Prof Kerstin Wyssusek and Dr Melinda Dean
Sue Lawrence	MPhil (2017-2019)	Lumbar interspinous ligament scissure: a detailed anatomical and imaging investigation.	Prof. David Reutens, A/Prof. David Sturgess.
Kersi Taraporewalla	PhD (2017- 2021)	Teaching and learning psychomotor skill in anaesthesia.	Prof Van Zundert, Prof Jeffery Lipman,

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Rebecca Christensen	Rebecca Christensen, Victoria Eley, Dwane Jackson, Rochelle Ryan, Prof Van Zundert, Prof Jason Roberts, Prof Jeffrey Lipman.	Therapeutic concentrations cephazolin + oxytocin in bariatric Caesarean section patients.
A/Prof Victoria Eley	Rochelle Ryan, Dwane Jackson, Victoria Eley, Rebecca Christensen, Prof Van Zundert, Prof Jason Roberts, Prof Jeffrey Lipman.	Therapeutic concentrations cephazolin in bariatric surgical patients.
Prof Andre Van Zundert	Prof Andre Van Zundert, Heather Reynolds.	LMA Protector™ Study.

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
A/Prof Kersi Taraporewalla	A/Prof Kersi Taraporewalla , Penelope Sanderson, Marcus Watson, Heather Reynolds , Prof Andre Van Zundert .	Respiratory Sonification Trial.
Prof Andre Van Zundert	Prof Andre Van Zundert , A/Prof Kerstin Wyssusek , Anthony Hade .	Positioning of supraglottic airway devices.
Gareth Collins	Gareth Collins , Lizanne Dalgleish , Cienwen Town .	Optic nerve sheath study to measure ICP.
Julie Lee	Prof Andre van Zundert , A/Prof Jeremy Cohen , A/Prof Kerstin Wyssusek , A/Prof Victoria Eley , Amy Krepska , Clare Manning .	ROTEM® and platelet function in pre-eclamptic obstetric patients.
Julie Lee	Julie Lee , Victoria Eley , Rebecca Kimble, Andre van Zundert , John Rowell	ROTEM® thromboelastometry in obstetrics: baseline parameters in normal and complicated pregnancies. A prospective observational study on elective Caesarean patients.
Julie Lee	Julie Lee , Victoria Eley , Rebecca Kimble, Andre van Zundert , John Rowell	ROTEM® thromboelastometry in obstetrics: baseline parameters in normal and complicated pregnancies. A prospective observational study on labour ward inpatients.
Cienwen Town	Andre van Zundert , James Johnson , Julie Lee .	UltRasound-Guided REgional Anaesthesia in Patients receiving Dressing Change After SPlit-Skin GrAfting for Upper Limb BuRn Injuries: A Prospective Randomized Study .
Cienwen Town	Andre van Zundert , James Johnson , Julie Lee .	UltRasound-Guided REgional Anaesthesia in PatIEnts receiving Split-Skin Grafting for Various Burns with Donor Sites from the UppEr Thigh: A Prospective Randomized Study.
A/Prof Victoria Eley	Rebecca Christiansen , Leonie Roberts , Leah Rickards , Helen Barrett	Arm and Finger Measurements in Pregnant Women.
A/Prof Victoria Eley	Adrian Chin , Isabelle Tham, Jee Poh, Emma Glasgow, Hannah Brown , Kate Steele, Lachlan Webb, Andre van Zundert	The failure rate of extending epidural analgesia to anaesthesia for emergency caesarean section in women with a body mass index ≥ 40 compared with women with a body mass index ≤ 30 .
A/Prof Victoria Eley	Dr Adrian Chin , Dr Renuka Sekar, A/ProfTim Donovan, Dr Amy Krepska , Dr Sheridan Bell , Dr Mitchell Lawrence , Dr Shaun McGrath, Dr Alex Robinson, Mr Lachlan Webb, Professor Andre van Zundert.	Subcutaneous Fat in Pregnancy
Michelle Roets	A/Prof David Sturgess, Prof Andre Van Zundert , A/Prof Kerstin Wyssusek , Dr Melinda Dean, A/Prof Louisa Gordon	Intraoperative cell salvage: A cost-benefit analysis.
Michelle Roets	Melinda Dean, John-Paul Tung, Pro Robert Flower, A/Prof Kerstin Wyssusek .	Does transfusion-related immune modulation occur following intraoperative cell salvage: A pilot study

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
A/Prof Timothy Short (University of Auckland)	Michael Edwards, David Belavy, Victoria Eley	The BALANCED Anaesthesia Study: A prospective, randomised clinical trial of two levels of anaesthetics depth in patient outcomes after major surgery
Prof Tomás Corcoran (University of Western Australia)	Julie Lee, Gareth Collins, Victoria Eley	The Perioperative Administration of Dexamethasone and Infection

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Victoria Eley	Complex Health Challenges - Obstetric Medicine Research Team	Metro North Excellence Awards
Victoria Eley	The Professor William Egerton Award	Royal Brisbane and Women's Hospital Symposium
Rochelle Ryan	Gilbert Troup Prize	Australian Society of Anaesthetists
Julie Lee	Kevin McCaul Prize	Australian Society of Anaesthetists
Genevieve Goulding	Women in Medicine Award	Australian Medical Association

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Rochelle Ryan Victoria Eley, Rebecca Christensen, Dwane Jackson, Jeffery Lipman, Jason Roberts.	Research Interest Group in Anaesthesia (RIGA)	Does Cefazolin prophylaxis during elective bariatric surgery achieve therapeutic concentration in plasma and interstitial fluid.	ANZCA	\$30,963	\$30,963 (2017)
Rebecca Christensen Victoria Eley, Rochelle Ryan, Dwane Jackson, Jeffery Lipman, Jason Roberts.	RIGA	Does Cefazolin prophylaxis during elective bariatric caesarean section achieve therapeutic concentration in plasma and interstitial fluid.	ANZCA	\$30,963	\$30,963 (2017)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Rebecca Christensen, Victoria Eley, Rochelle Ryan, Dwane Jackson, Jeffery Lipman, Jason Roberts.	RIGA	'Does Routine Antibiotic Administration in Overweight Women Having Elective Caesarean Section Achieve Therapeutic Levels?'	RBWH foundation	\$40,000	\$40,000 (2017)
Julie Lee, Amy Krepska, Claire Manning, Victoria Eley, Kerstin Wyssusek, Paul Gray, Andre van Zundert, Rebecca Kimble, John Rowell.	RIGA	ROTEM Pre-Eclampsia	ANZCA	\$52,912.73	\$52,912.73 (2017)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Book chapters	Hendrickx JF, Van Zundert A , De Wolf A. Inhaled anaesthetics. Chapter 14 - In: Oxford Textbook of Anaesthesia, UK, 2017.
Book chapters	Chin A, Van Zundert A . Spinal Anesthesia. Chapter 23 - In: NYSORA Textbook of Regional Anesthesia and Acute Pain Management, 2ed.- Ed. Admir Hadzic, USA, 2017, PP 328-369.
Book chapters	Gatt S, Sturgess D, Samedani L, Van Zundert A . The Future of Advanced Haemodynamic Monitoring Devices. Chapter - IN: Monitoring in Anesthesia and Perioperative Care. Trikhan A, Singh PM (Eds.), Jaypee Brothers Medical Publishers, New Delhi, India, 2017
Book chapters	Lawrence S , Langley A, Sturgess D. (2017) Regional: Dissecting epidural failure in the obese parturient: Time to carefully consider the lumbar interspinous ligament. In Riley R. (Ed.), Australasian Anaesthesia (the Blue Book) (PP.159-168).
Book chapters	Lee J, Wyssusek K, Cohen J, & Van Zundert A . Coagulation: Rotational thromboelastometry (ROTEM) in obstetrics. In Riley R (Ed.), Australasian Anaesthesia (the Blue Book). 2017, pp.95-104.
Book chapters	Willington S, & Roets M . (2017). Coagulation: Intraoperative cell salvage. In Riley, R(Ed.) Australasian Anaesthesia (the Blue Book), Australasian Anaesthesia (the Blue Book). (PP.135-143)
Book chapters	Van Zundert A , Hadzic A. Chapter 14: Electrical Nerve Stimulators and Localization of Peripheral Nerves. In: NYSORA Textbook of Regional Anesthesia and Acute Pain Management, 2ed.- Ed. Admir Hadzic, USA, 2017, pp 194-210.
Book chapters	Van Zundert A . Thoracic combined spinal-epidural (CSE) anaesthesia. In: Diwan S, van Zundert A. (eds). Regional Nerve Blocks. Paras Medical Publisher, New Delhi India, 2018, pp. 39-49.
Book	Diwan S, van Zundert A . Regional Nerve Blocks. Paras Medical Publisher, New Delhi, India, 2018. ISBN: 978-81-8191-484-2, 550 pages.
Journal article	Bos M, Janssen M, Smeets A, Temel Y, van Zundert A , Ackermans L. Use of dexmedetomidine during deep brain stimulation for Tourette syndrome; a case report and review of the literature. Anaesthesia Cases 2017-0019.
Journal article	Boyle R, Van Zundert A . Professor Tess Cramond (1926-2015) – An appreciation of her contributions to anaesthesia and pain Medicine. Anaesth Intensive Care 2017;45:S4-12.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Brown H , Barrett HL, Lee J , Pincus JM , Kimble RM, Eley VA . (2017). Successful Resuscitation of Maternal Cardiac Arrest With Disseminated Intravascular Coagulation Guided by Rotational Thromboelastometry and Transesophageal Echocardiography: A Case Report. <i>A&A Case Reports</i> .
Journal article	Chin A , Heywood L , Iu P , Pelecanos AM, Barrington MJ. (2017). The effectiveness of regional anaesthesia before and after the introduction of a dedicated regional anaesthesia service incorporating a block room. <i>Anaesthesia and intensive care</i> , 45(6), 714.
Journal article	Dortangs EJM, Niesten MW, van Loon FHJ, Van Zundert AAJ . Preventive methods using lidocaine for reduction of pain associated with propofol intravenous administration: a double blind randomized controlled trial. <i>Acta Anaesthesiol Belg</i> 2017; 68:13-18
Journal article	Eley V , Callaway L, Van Zundert A , Lipman J, Gallois C. Interpretation of Care Guidelines for Obese Women in Labor: Intergroup Language and Social Identity. <i>J Lang Soc Psychol</i> . 2017;36:388-414.
Journal article	Fielding D, Bashirzadeh F, Son JH, Todman M, Tan H , Chin A , Steinke K, Windsor M. First Human Use of a New Robotic-Assisted Navigation System for Small Peripheral Pulmonary Nodules Demonstrates Good Safety Profile and High Diagnostic Yield. <i>Chest</i> . 2017 Oct 31;152(4):A858
Journal article	Gibbs NM, Culwick M , Merry AF. A cross-sectional overview of the first 4,000 incidents reported to webAIRS, a de-identified web-based anaesthesia incident reporting system in Australia and New Zealand. <i>Anaesth Intensive Care</i> 2017;45:28-35.
Journal article	Gibbs NM, Culwick M , Merry AF. Patient and procedural factors associated with an increased risk of harm or death in the first 4,000 incidents reported to webAIRS. <i>Anaesth Intensive Care</i> 2017;45:159-65.
Journal article	Greenland KB, Bradley P, Chapman WPL, Goulding GA , Irwin MG. Emergency front-of-neck access: scalpel or cannula—and the parable of Buridan's ass. 2017; <i>BJA Volume 118</i> , Issue 6, 1 June 2017, Pages 811–814, https://doi.org/10.1093/bja/aex101
Journal article	Greenland KB, Bradley WPL, van Zundert A , Irwin MG. Airway assessment/management paradigm - does a spectral or a binary approach fit better? <i>Anaesthesia</i> . 2017;72:1035-1037.
Journal article	Gordon J, Stankiewicz M, Pollock H , Christensen M, Barker-Gregory N, Dulhunty J. A trial of two prophylactic sacral dressings (2PSD) in the prevention of Stage 1 sacral pressure injury in the critically ill patient: A study protocol. <i>Wound Practice & Research: J Austral Wound Man Ass</i> 2017;25:82.
Journal article	Hockey CA, van Zundert AA , Paratz JD. Does objective measurement of tracheal tube cuff pressures minimise adverse effects and maintain accurate cuff pressures? A systematic review and meta-analysis. <i>Survey Anesthesiol</i> 2017;71:6.
Journal article	Krepska A , Hastings J, Roodenburg O. The metabolic and endocrine response to trauma. <i>Anaesth Intensive Care Medicine</i> 2017;18:414-417.
Journal article	Lee J , Wyssusek K , Cohen J , van Zundert A . Rotational thromboelastometry (ROTEM®) in obstetrics. <i>Aust Anaesth</i> 2017.
Journal article	Leslie K, Culwick MD , Reynolds H , Hannam JA, Merry AF. Awareness during general anaesthesia in the first 4,000 incidents reported to webAIRS. <i>Anaesth Intensive Care</i> 2017;45:441-447.
Journal article	Nethathe GD , Tshukutsoane S, Denny KJ. Cost awareness among healthcare professionals at a South African hospital: A cross-sectional survey. <i>S Afr Med J</i> 2017;107:1010-14. ISSN 2078-5135. Available at: < http://www.samj.org.za/index.php/samj/article/view/12107/8279 >.
Journal article	Pieters BMA, Maas EHA, Peelen LM, Knappe JTA, Van Zundert AAJ . Videolaryngoscopy vs. direct laryngoscopy use by experienced anaesthetists in patients with known difficult airways: A systematic review of the literature and meta-analysis. <i>Anaesthesia</i> . 2017; 72:1532-1541. Sep 22. doi: 10.1111/anae.14057.
Journal article	Pieters B, Van Zundert A . Videolaryngoscopy – a monumental leap towards better airway management. <i>Neth J Anesthesiol</i> 2017;30:16-20.
Journal article	Pieters B, Theunissen M, Van Zundert AAJ . Macintosh blade videolaryngoscopy combined with rigid Bonfils® intubation endoscope offers a suitable alternative for patients with difficult airways. <i>Anesth Analg</i> 2017.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Ramlogan R, Niazi AU, Jin R, Johnson J , Chan VW, Perlas A. A Virtual Reality Simulation Model of Spinal Ultrasound: Role in Teaching Spinal Sonoanatomy. <i>Reg Anesth Pain Med.</i> 2017;42:217-222.
Journal article	Reina MA, Puigdemívol-Sánchez, Gatt SP, De Andres JA, Prats-Galino A, van Zundert A . Electron microscopy studies of dural and arachnoid lesions produced by 29G spinal Whitacre needles. <i>Reg Anesth Pain Med.</i> 2017;42:709-18.
Journal article	Senapthai TG, Wiryana M, Aribawa IGVM, Van Zundert A , Labobar OA. Bonfils intubation fiberscope versus C-MAC videolaryngoscope: hemodynamic stability and incidence of sore throat in endotracheal intubated patients. <i>Bali Med J</i> 2017;6:247-250.
Journal article	Sekandarzad MW, Van Zundert AAJ , Lirk PB, Doornebal CW, Hollmann MW. Perioperative Anesthesia Care and Tumor Progression. <i>Anesth Analg.</i> 2017;124:1697-1708.
Journal article	Sekandarzad MW, Van Zundert AAJ , Doornebal C, Hollmann MW. Regional anesthesia and analgesia in cancer care: is it time to break the bad news? <i>Curr Opin Anesthesiol</i> 2017;30:606-12.
Journal article	Sherlock S . ECHM Consensus Conference and levels of evidence. <i>Diving and hyperbaric medicine</i> 2017;47:133.
Journal article	Sturgess DJ, Greenland KB, Senthuran S, Ajvadi FA , Van Zundert A , Irwin MG. Tracheal extubation of the adult intensive care patient with a predicted difficult airway - a narrative review. <i>Anaesthesia.</i> 2017;72:248-261.
Journal article	Van Zundert AAJ , Gatt SP, Mahajan RP. Open Access, Crowd-Sourced Repository of Anesthesia Information (Wiki-Anesthesia) as Antidote to Inaccurate Internet-Based Resources. <i>Anesth Analg.</i> 2017;124:1741-1742.
Journal article	Van Zundert AA , Gatt SP, Kumar CM, Van Zundert TC. Vision-guided placement of supraglottic airway device prevents airway obstruction: a prospective audit. <i>Br J Anaesth</i> 2017;118:462-463.
Journal article	Van Zundert AAJ , Gatt SP, Kumar CM, Van Zundert TCRV, Pandit JJ. Failed supraglottic airway: an algorithm for suboptimally placed supraglottic airway devices based on videolaryngoscopy. <i>Br J Anaesth.</i> 2017;118:645-649.
Journal article	Van Zundert, André and Wyssusek, Kerstin (2016) In reference to "Review of videolaryngoscopy pharyngeal wall injuries". <i>The Laryngoscope</i> , . doi:10.1002/lary.26375
Journal article	Van Zundert A , Wyssusek K , Dalgleish L , Town C , Eley V . Centre translates anaesthesia theory into practice. <i>ANZCA Bulletin</i> 2017; September: 52-53.
Editorial	Callaway L, Eley V . Obesity and Complications from Neuraxial Analgesia – We Need to Know More. <i>Paediatr Perinat Epidemiol</i> 2017 (In Press)
Letter	Van Zundert AAJ , Gatt SP, Kumar CM, Van Zundert TCRV, Pandit JJ. 'Failed supraglottic airway': Reply to Tobin and colleagues. <i>Br J Anaesth</i> 2017; 118:844.
Letter	Van Zundert A . Incidence and severity of chronic pain after Caesarean Section: A systematic Review with meta-analysis – Comment. <i>Obstet Anesth Digest</i> 2017;37:117-8.
Letter	Van Zundert AAJ, Gatt SP, Kumar CM, Van Zundert TCRV, Pandit JJ. 'Failed supraglottic airway': Authors' reply to Thomas et al. <i>Br J Anaesth.</i> 2017;119:1244.
Letter	Van Zundert A. Incidence and severity of chronic pain after Caesarean Section: A systematic Review with meta-analysis – Comment. <i>Obstet Anesth Digest</i> 2017;37:117-8.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Increased abdominal subcutaneous fat thickness measured by ultrasound at 18-22 weeks gestation is associated with adverse maternal pregnancy outcomes. A/Prof Victoria Eley, Dr Adrian Chin , Dr Renuka Sekar, A/Prof Tim Donovan, Dr Amy Krepska , Dr Sheridan Bell, Dr Mitchell Lawrence , Dr Shaun McGrath, Dr Alex Robinson, Mr Lachlan Webb, Professor Andre van Zundert Presented at: SOMANZ/ADIPS National Conference, Canberra, October 2017
Oral	Epidural extension in women with class 3 obesity is comparable to that of non-obese women. A Prospective two-centre cohort study. Victoria Eley, Adrian Chin , Isabelle Tham, Jee Poh, Perminder Aujla, Emma Glasgow, Hannah Brown , Katherine Steele, Lachlan Webb, André van Zundert Presented at: The Royal Brisbane and Women's Hospital Health Symposium September 2017.
Oral	What is the failure rate of extending epidural analgesia to anaesthesia for emergency caesarean section in women with a body mass index ≥ 40 compared with women with a body mass index ≤ 30 ? A prospective two-centre cohort study. Victoria Eley, Adrian Chin , Isabelle Tham, Jee Poh, Perminder Aujla, Emma Glasgow, Hannah Brown , Katherine Steele ^{1,2} , Lachlan Webb, André van Zundert Presented at: The Australian Society of Anaesthetists National Scientific Congress, October 2017, Perth. Finalist in Gilbert Troup Prize Session and Best Poster Prize Session.
Oral	Does Cefazolin Prophylaxis During Elective Bariatric Surgery Achieve Therapeutic Concentrations in Plasma and Interstitial Fluid? Rochelle Ryan, Dwane Jackson , George Hopkins, Victoria Eley, Rebecca Christensen, Andre Van Zundert , Steven Wallis, Jeffrey Lipman, Jason A Roberts. The Australian Society of Anaesthetists National Scientific Congress, October 2017, Perth. Gilbert Troup Prize for oral presentation and Best Poster Prize Finalist.
Poster	Does Cefazolin Prophylaxis During Elective Obese Caesarean Section Achieve Therapeutic Concentrations in Plasma and Interstitial Fluid? Rebecca Christensen, Victoria Eley , Mathew Smith, Dwane Jackson, Rochelle Ryan, Andre Van Zundert , Steven Wallis, Jeffrey Lipman, Jason A Roberts. The Australian Society of Anaesthetists National Scientific Congress, October 2017, Perth.
Poster	Being prepared for CICO. Organisation of equipment to facilitate a 'can't intubate, can't oxygenate' (CICO) crisis. Wai Mee Foong, Kerstin Wyssusek , Martin Culwick, André van Zundert . The Australian Society of Anaesthetists National Scientific Congress, October 2017, Perth.
Poster	Pain in Pelvic Exenteration: The Role of the Epidural in Major Gastrointestinal Surgery. Dr Angela Tognolini , Dr Nicholas Black, Dr Dwane Jackson . The Australian Society of Anaesthetists National Scientific Congress, October 2017, Perth. Trainee Best Poster Prize Finalist.
Poster	An audit of peri-operative anaesthesia and analgesia management for major lower limb amputations. Chris Futter, Julie Lee, Nathan Peters, Surya Bhamidipaty-Pelosi . RBWH Health Symposium 2017.

Other communications and outputs:

1. Obstetric Anaesthesia Special Interest Group: Statement regarding the use of Tramadol in breastfeeding women. July 2017 Lead Author Victoria Eley
2. Link between obesity and failed epidurals. Article in the Australian newspaper, May 15, 2017 Interview with Victoria Eley concerning PhD. Link: <https://www.sbs.com.au/news/link-between-obesity-and-failed-epidurals>

TRAUMA SERVICE

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Fran Williamson		RBWH positive FAST in trauma patients Number of ICP and Craniectomy cases
Alistair Hamilton		RBWH MTP audit
Michelle Tsui	Daryl Wall	Vitamin D pilot study
Pamela Symons	Liam Coulthard	Multi-audit
Tina Moriarty		MVC Rollover - Trauma Bypass Pilot Study - re-run
Michael Handy	Nathan Brunott	Spinal Injuries (Cord and Fracture) in 2016
Michael Muller	Michael Handy	Stabbing Injury Incidents (LUQ areas and flank and cases that went wrong)
Kirsten Vallmurr		Cycling trauma study
Priyanka Dhillon		ICP and Craniectomy cases in trauma patients

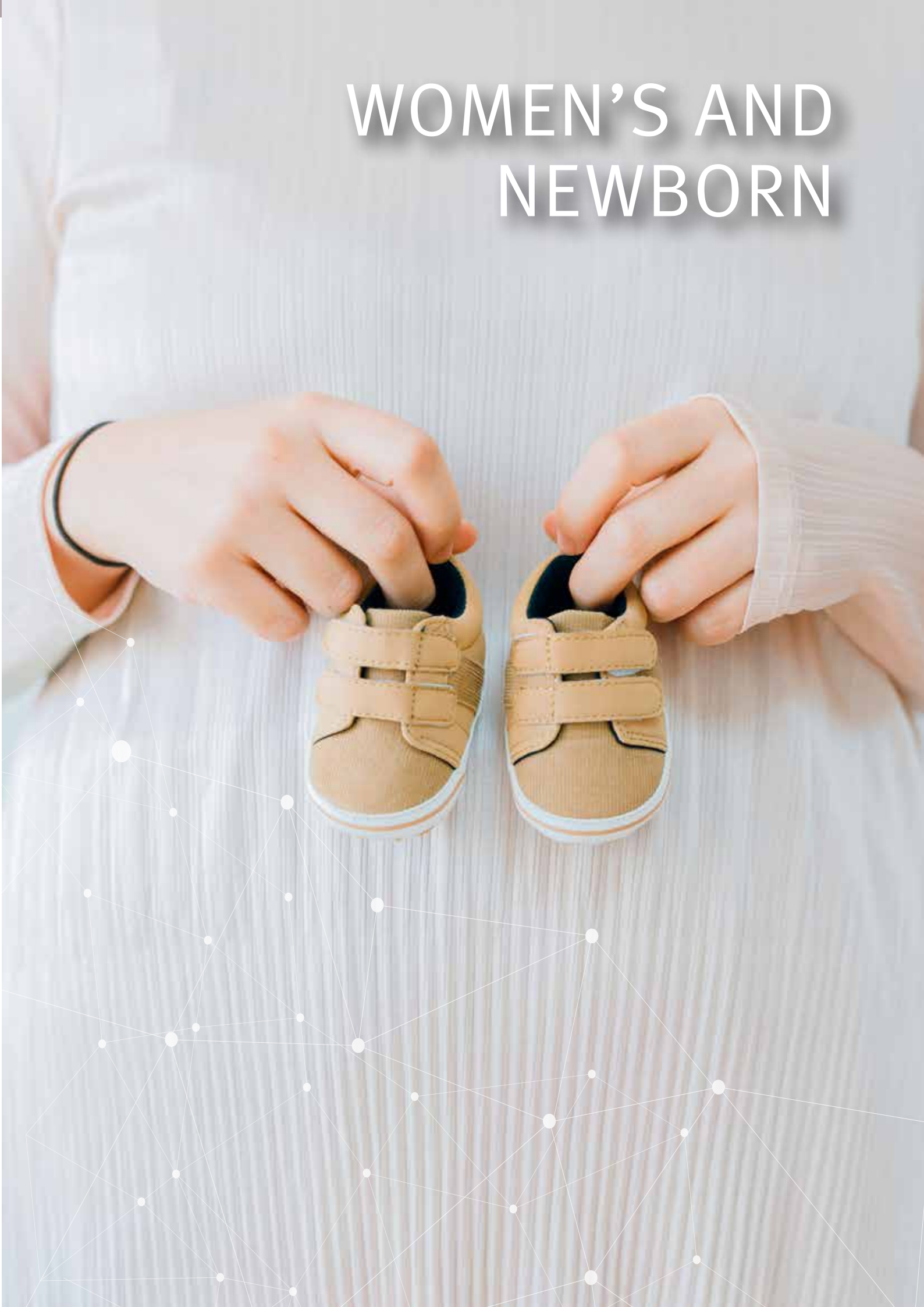
2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Stoddart, S, Handy M, Cleland P, Wall D , Brown A. Traumatic dislocation of the first rib: A case report and review of the literature Emergency Medicine Australasia 29: 746-748. DOI:10.1111/1742-6723.12866

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Pamela Martin-Dines, Frances Williamson . The Prevalence of Suboptimal Pelvic Binder Placement Among Trauma Patients Arriving to a Level 1 Trauma Centre. Annual Scientific Meeting of the Australasian College for Emergency Medicine 2017 (ACEM ASM 2017)
Invited speaker	Michael Handy . Traumatic wounds. Acute Wound Care Conference, Brisbane. 16th November 2017
Oral	Michael Handy . Intergration of the Red Blanket Process and Telemedicine. Queensland Clinical Senate Meeting. Brisbane 24th March 2017
Oral	Dan Bodnar, Michael Handy . Trauma Ultrasound in the Pre-Hospital Environment (TUPHEn Study). Queensland Autumn Symposium. Brisbane 16 May 2017

WOMEN'S AND NEWBORN



WOMEN'S AND NEWBORN SERVICES



TAMI PHOTINOS
Executive Director
Women's and Newborn Services

*We are dedicated
to quality
multidisciplinary
healthcare*

Women's and Newborn Services (WNS) offer a wide and diverse range of healthcare services to women and their babies across Queensland and beyond. We are dedicated to quality multidisciplinary healthcare which is evident in our commitment to expanding research within the service line.

WNS continues to maintain an active interest in research activities as well as the provision of multiple education programs for undergraduate and postgraduate health service professionals. To that end we maintain a strong connection with local universities including the University of Queensland, Queensland University of Technology, James Cook University, Central Queensland University and the Royal Australian and New Zealand College of Obstetrics and Gynaecology (RANZCOG).

Queensland Centre for Gynaecological Cancer (QCGC) has continued research activities in 2017 to help improve patient outcomes by researching the most effective treatment for women and gynaecological cancers. QCGC has received funding for the IMAGINE Study which aims to implement and evaluate a model of training for practising gynaecologists in Total Laparoscopic Hysterectomy. The IMAGINE study was initiated at two Queensland Health Hospitals in 2017.

The Perinatal Research Centre's (PRC) multidisciplinary research team aims to discover and translate research advances into clinical practice and better health outcomes for mothers and babies. Research within the PRC covers several related areas including neonatal brain injury and neuroprotection led by Dr Tracey Bjorkman, systems physiology led by Dr Barbara Lingwood and Dr Yvonne Eiby, signal processing led by Prof Boualem Boashash as well as clinical trials involving the Royal Brisbane and Women's Hospital just to name a few.

The Grantley Stable Neonatal Unit (GSNU) continues to have an interest in a varying number of research opportunities and looks to further enhance collaborations between universities and internal departments that were developed in 2017. GSNU's close collaboration with the Perinatal Research Centre continues to translate research into clinical practice.

Obstetric Medicine continues to add to the research program with a focus on women with complex pregnancies and improving the outcomes for both mother and infant. The department is involved in a number of collaborative research projects including a large NHMRC funded study evaluating the guided treatment of asthma in pregnancy.

The Department of Obstetrics and Gynaecology continues to increase its activity and provides tertiary and quaternary obstetrics and gynaecology services for Metro North Hospital and Health Service and Queensland. Both departments and its subdivisions are involved in multidisciplinary research to ensure the care of the women we treat and management of their care is contemporary and evidenced based. Significant research contributions continued in 2017 by the Maternal Fetal Medicine Unit with Dr Renuka Sekar and MFM Fellow Dr Christoph Lehner completing a 10 year review of unexplained stillbirth and applicability to the PSANZ guidelines (awaiting publication), Statewide Paediatric and Adolescent Gynaecology Services, Urogynaecology, Reproductive Endocrinology and Infertility divisions of Women's and Newborn Services.

PERINATAL RESEARCH CENTRE

The Perinatal Research Centre (PRC), directed by Professor Paul Colditz, is committed to improving health for mothers and babies through world class biomedical and clinical research. Our multidisciplinary research team, consisting of clinicians, scientists, allied health professionals and engineers, aims to discover and translate research advances into clinical practice and better health outcomes for mothers and babies. Research within the PRC covers several related areas including neonatal brain injury and neuroprotection led by Dr Tracey Bjorkman, systems physiology led by Dr Barbara Lingwood and Dr Yvonne Eiby, signal processing led by Prof Boualem Boashash as well as clinical trials involving the Royal Brisbane and Women's Hospital.

With the support of our national and international collaborators we achieved much towards our goals in 2017. We were pleased to be awarded research grants in 2017 from RBWH Foundation, Children's Hospital Foundation, Perpetual Impact and two NHMRC project grants. Prof Colditz' NHMRC study will examine placental stem cell treatment to protect babies' brains. This novel project uses the baby's own placenta to source the stem cells. The use of human cells has the merit of being immediately relevant to translate to clinical trials. Dr Wixey's NHMRC project will study the role of inflammation and brain injury in the growth restricted baby. Growth restriction during pregnancy can damage the baby's brain and result in poor outcomes. This study will examine whether a readily available and safe anti-inflammatory treatment can reduce or prevent brain injury following intrauterine growth restriction.

Professor Paul Colditz continues to lead a \$1.65 million NHMRC grant over 5 years to predict neurodevelopmental disability in babies born very preterm. By identifying structural and functional brain connectivity features earlier and more accurately than currently possible in the preterm brain, this research will enable better prediction of longer-term motor and neurodevelopmental function. This will lay the groundwork for new interventions to prevent or effectively treat brain injury.

Dr Tracey Bjorkman continues her NHMRC project to evaluate a novel therapy for neonatal seizures. The growth of the neonatal brain injury team has led to a number of significant publications and conference presentations in 2017. Dr Barbara Lingwood and Dr Yvonne Eiby also continue their 2017 NHMRC project examining whether early blood transfusion is more effective than saline to improve cerebral oxygen delivery in very preterm neonates.

The RBWH NICU will contribute to a new multicentre Phase III randomised controlled trial funded by NHMRC to determine whether Erythropoietin treatment can prevent adverse outcomes in babies with HIE. Other ongoing clinical trials which utilise state-of-the-art methods and techniques include predicting motor outcomes in preterm babies using MRI, Prem Baby Triple P Parenting Study, optimising adaptation of the cardiovascular system to extrauterine life in the very preterm baby, and determining the effects of different feeding regimens on development in preterm babies.

The Harcourts RBWHF Butterfly Ball, held at the Hilton, was a great success and enjoyed by many. Prof Paul Colditz and Dr Tracey Bjorkman led tours of the nursery and labour ward at the RBWH with the Lions Medical Research Foundation Personality Quest entrants. We would like to thank RBWH Foundation, Harcourts Foundation, Lions Medical Research Foundation, Dr Chris Burke and so many members of the public for their generous support which is vital to improving outcomes for mothers and babies through research.



SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
MD Abdul Awal	PhD, UQ (2013-2017)	Classification and localization of neonatal EEG abnormalities using time-frequency image processing based neural network and support vector machine	Paul Colditz , Boualem Boashash
Ms Nada Al-Theyab	PhD, UQ (2012-2017)	Preterm infant body composition	Barbara Lingwood, Timothy Donovan , Paul Colditz
Ms Rebecca Caesar	PhD, UQ (2012-2017)	Early predictors for neurodevelopmental outcome and prioritisation of service delivery for at risk premature infants	Roslyn Boyd, Paul Colditz
Mr Matthew Fielder	MPhil, UQ (2014-2017)	Novel therapies for seizures following hypoxic-ischaemic injury in neonates	Stella Tracey Bjorkman, Paul Colditz
Ms Elizabeth Forbes	MPhil, UQ (2013-2017)	Changes in cardiac structure and biochemistry during transition to extra uterine life in preterm and term piglets	Yvonne Eiby, Barbara Lingwood, Karen Moritz
Ms Joanne George	PhD, UQ Awarded 2017	Prediction of motor outcomes based on early brain structure	Roslyn Boyd, Paul Colditz , Stephen Rose
Ms Kate Goasdoue	PhD, UQ (2015-2018)	A novel therapy for neonatal seizures	Stella Tracey Bjorkman, Julie Wixey
Dr Luke Jardine	PhD, UQ (2015-2018)	Development of early predictors of long term neurodevelopmental outcome for preterm infants	Paul Colditz , Mark Davies
Ms Ji Yeon Kim	PhD, UQ (2015-2018)	Understanding how remote application of near infrared light induces neuroprotection	Paul Colditz , Jonathon Stone
Ms Annice Kong	PhD, UQ (2014-2017)	The relationship between brain structure assessed using diffusion MRI and function assessed using dense array EEG of very preterm infants and the ability to predict neurodevelopmental outcomes	Paul Colditz , Simon Finnigan, Roslyn Boyd, Stephen Rose
Dr Melissa Lai	PhD, UQ (2015-2018)	Environmental manipulation of the very preterm infant: Can dense array EEG detect developmental differences at term equivalent age	Paul Colditz , Simon Finnigan, Jurgen Fripp
Dr Norman Ma	MPhil, UQ (2011-2017)	Brain injury severity in a neonatal model of hypoxic ischemia following potential neuroprotective interventions	Stella Tracey Bjorkman, Craig Winter , Paul Colditz
Ms Stephanie Miller	PhD, UQ (2008-2017)	Examining the maturation of the GABA system in the neonatal brain and its role in hypoxic-ischaemic brain injury	Stella Tracey Bjorkman, Peter Noakes
Mr James Morong	MPhil, UQ (2015-2017)	A comparative study of in-hospital maternal mortality ratio (MMR) between the United States of America and Australia	Paul Colditz , Alfred Robichaux
Ms Abirami Ratnasingham	PhD, UQ (2016-2019)	Long term consequences of altered neonatal adiposity	Barbara Lingwood, Timothy Donovan , Marloes Nitert Dekker, Peter Davies
Ms Sonia Sam	PhD, UQ (2011-2017)	Cardiovascular factors associated with poor outcome in preterm infants	Barbara Lingwood, Paul Colditz
Ms Nabeel Sheikh	PhD, UQ (2011-2017)	Role of quantitative EEG in diagnosis, prognostication and management of acute stroke	Andrew Wong , Simon Finnigan , Stephen Read

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Mr Timothy Sherry	PhD, UQ (2015-2018)	Identification of brain events via electroencephalogram EEG through blind source separation	Paul Colditz
Dr Karen Barlow	PhD, UQ (2017-2020)	Melatonin in improving outcome after acquired brain injury	Ros Boyd, Paul Colditz
Mr Caleb Stewart	MPhil, UQ (2017-2019)	Modelling the impact of preterm birth on neurodevelopmental trajectories via neonatal MRI maturation index	Paul Colditz , Kerstin Pannek
Mr Elliot Teo	PhD, UQ (2017-2020)	Novel adjunctive therapies for the treatment of neonatal hypoxic-ischemic encephalopathy	Tracey Bjorkman, Paul Colditz

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Paul Colditz	Professor of Perinatal Medicine	Clinical neonatology, neuroscience, biomedical signal processing	University of Queensland (current)
Tracey Bjorkman	Lions Senior Medical Research Fellow	Hypoxic-ischemic brain injury and seizures in the neonate	University of Queensland (current)
Nigel Barnett	Honorary Senior Fellow	The effects of hypoxia/ischaemia in visual development and disease	University of Queensland (current)
Boualem Boashash	Professor	Time-frequency signal analysis, biomedical signal processing, spectral estimation, signal detection and classification	University of Queensland (current)
Michael Colditz	Honorary Fellow	Clinical neuroscience	University of Queensland (current)
Kirat Chand	Research Officer	Hypoxic-ischaemic brain injury, growth restriction, inflammation and seizures in the neonate	University of Queensland (current)
Therese De Dassel	Honorary Research Fellow	Clinical psychology, psychiatry	University of Queensland (current)
Brendan Dietrich	Senior Research Technician	Improving outcomes for preterm infants	University of Queensland (current)
Shiying Dong	Research Officer	Signal processing: applications to the analysis and detection of perinatal asphyxia	University of Queensland (current)
Timothy Donovan	Associate Professor	Improving outcomes for preterm infants particularly in the area of nutrition, growth/body composition and development. Ongoing research in the use of telemedicine to provide outreach care of sick infants in regional hospitals. Epidemiology of gastroschisis	University of Queensland (current)
Yvonne Eiby	Research Fellow	The cardiovascular system of preterm infants	University of Queensland (current)
Christine East	Honorary Professor	Fetal monitoring	Monash University (current)
Simon Finnigan	Senior Research Fellow	Brain monitoring techniques to improve outcomes for critically ill patients (e.g. extremely premature babies; stroke patients)	University of Queensland (current)

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Katie Foxcroft	Adjunct Fellow	Clinical Trial Coordinator	University of Queensland (current)
Janet Hammill	Honorary Senior Fellow	Collaboration for Alcohol Related Developmental Disorders	University of Queensland (current)
Annelise Kirkham	Research Nurse	Clinical Trials	University of Queensland (current)
Aven Lee	Postdoctoral Research Fellow	Molecular biology and protein biology of the brain	University of Queensland (current)
Melissa Lai	Senior Lecturer	EEG in preterm babies	University of Queensland (current)
Gillian Lack	Research Nurse	Clinical Trials	University of Queensland (current)
Barbara Lingwood	Senior Research Fellow	Cardiovascular function in the preterm infant, infant body composition	University of Queensland (current)
Penny Love	Honorary Fellow	Preterm massage study	University of Queensland (current)
Eugene Lumbers	Honorary Professor	Fetal origins of adult diseases, hypertension, development of control of the circulation, exercise and training, and renal development and function	University of Newcastle (current)
Kellie McGrory	Research Nurse	Clinical Trials	University of Queensland (current)
Randal Moldrich	Honorary Fellow	Preterm brain outcomes	University of Queensland (current)
Lisa McKeown	Research Nurse	Clinical Trials	University of Queensland (current)
Steve Mehrkanoon	Postdoctoral Research Fellow	Signal Processing	University of Queensland (current)
Stephanie Miller	Research Assistant	Hypoxic-ischaemic brain injury and seizures in the neonate	University of Queensland (current)
Kym Morris	Research Assistant	Clinical Trials	University of Queensland (current)
Margo Pritchard	Honorary Senior Fellow	Child health surveillance and intervention	Australian Catholic University (current)
Stephen Rose	Honorary Professor	Development and application of advanced MRI techniques to aid the detection and monitoring of disease processes	University of Queensland (current)
Kylie Smart	Research Nurse	Clinical Trials	University of Queensland (current)
Karen Taylor	Research Nurse	Clinical Trials Group supporting: Enhanced parenting to improve developmental outcomes in preterm infants	University of Queensland (current)
Leanne Winter	Project Coordinator	Prem Baby Triple P	University of Queensland (current)
Julie Wixey	Research Officer	Hypoxic-ischaemic brain injury, intrauterine growth restriction and inflammation in the neonatal brain	University of Queensland (current)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Paul Colditz	Kiarash Khosrotehrani	Stem cell treatment for neonatal brain injury
Paul Colditz	Julie Wixey, Stella T Bjorkman	Reducing inflammation in growth restricted newborn brains
Paul Colditz	Kiarash Khosrotehrani, Stella T Bjorkman, Nick Fisk, Barbara Lingwood , Julie Wixey	Improving brain oxygen levels in babies using stem cell treatment
Tim Donovan	Barbara Lingwood, Paul Colditz , Marloes Dekker-Nitert	Long-term consequences of altered neonatal adiposity
Barbara Lingwood	Yvonne Eiby, Paul Colditz , Julie Wixey	A pre-clinical trial of early blood transfusion to reduce preterm brain injury
Paul Colditz	Stella T Bjorkman, Julie Wixey	Blood biomarkers of brain injury following hypoxia-ischaemia in the neonate
Barbara Lingwood	Michael Stark, Paul Colditz , Ian Wright, Yvonne Eiby	A pre-clinical trial of early blood transfusion for improving cerebral oxygen delivery in very preterm neonates
Paul Colditz	Julie Wixey, Susan Sullivan, Melissa Lai	Protecting growth restricted newborn brains by reducing inflammation
Paul Colditz	Melissa Lai , Stella T Bjorkman, Kirat Chand	Novel approaches to protecting the newborn brain
Paul Colditz	Barbara Lingwood , Marloes Dekker-Nitert, Tim Donovan , Peter Davies, Chong	Long-term consequences of altered neonatal adiposity
Andrew Wong	Simon Finnigan	Pre-hospital brain monitoring to inform stroke
Katie Foxcroft	Katie Groom	STRIDER (NZAus): A randomised controlled trial of sildenafil therapy in dismal prognosis early-onset intrauterine growth restriction (New Zealand and Australia) (led by the University of Auckland)
Katie Foxcroft	Pieter Koorts , William Tarnow-Mordi	Does lactoferrin improve survival free from morbidity in very low birth weight infants? Lactoferrin Infant Feeding Trial: a randomised controlled trial
Paul Colditz	Roslyn Boyd, Atul Malhotra, Stephen Rose, Boualem Boashash, Michael Ditchfield, Michael Fahey, Kerstin Pannek, Randal Moldrich	Neurodevelopment of the preterm infant
Paul Colditz	Matthew Sanders, Roslyn Boyd, Margo Pritchard, Peter Gray, Michael O'Callaghan, Virginia Slaughter, Koa Whittingham	Enhanced parenting capacity to improve developmental outcomes in preterm infants
Paul Colditz	Barbara Lingwood , Kathryn Buller	BRAIN - Brain Research Advances In Newborns

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Roslyn Boyd	I Novak, E Wallace, N Badawi, M Fahey, S Rose, P Colditz , J Ziviani, C Elliott, N Stott	Australasian Cerebral Palsy Clinical Trials Network (AusCP-CTN): optimizing interventions and effective services for children with cerebral palsy
Roslyn Boyd	Paul Colditz , S Rose, M Karunanithi, A Smith, A Scuffham, P Edwards, I Novak, C Morgan, N Badawi	Advancing Cerebral Palsy in Queensland
Stella Tracey Bjorkman	Paul Colditz, Sampsa Vanhatalo	Carbon dioxide as a treatment for seizures in the newborn
Boualem Boashash	Paul Colditz	Automated Neonatal EEG Quality Assessment & Improvement using Artefact Filtering and Signal Segmentation
Boualem Boashash	Paul Colditz	Localization of EEG Abnormalities for Improving Brain Monitoring of Newborn Babies at Risk of Brain Injury using a multichannel time-frequency signal processing approach
Rebecca Pelekanos	Paul Colditz , Nicholas Fisk	Stem cell therapy and neurostimulation repair of white matter injury to prevent cerebral palsy
Roslyn Boyd	Paul Colditz , Joanne George, Stephen Rose	PPREMO: Prediction of preterm early motor and neurodevelopmental outcomes using advanced brain imaging and an early assessment toolbox
Roslyn Boyd	Paul Colditz , Joanne George	PPREMO: Prediction of Preterm Early Motor and neurodevelopmental Outcomes
Rodney Hunt	Paul Colditz , Terrie Inder, Nadia Badawi, Simmer, Helen Liley, Osborn, Cheong, Ian Wright	A study of the impact of treating electrographic seizures in term or near-term infants with neonatal encephalopathy
Roslyn Boyd	Helen Liley, Hurron, Stephen Rose, Wallace, Paul Dawson, Paul Colditz , Linda Richards, Luke Jardine, Gray, Justo, Corness	Optimising Neonatal Neuroplasticity: research consortium for an MRI compatible incubator at Lady Cilento Childrens Hospital and the Mater Mothers Hospital at the University of Queensland
Roslyn Boyd	Novak, Euan Wallace, Nadia Badawi, Michael Fahey, Stephen Rose, Paul Colditz, Ziviani, Elliott, Stott	Australasian Cerebral Palsy Clinical Trials Network (AusCP-CTN): optimizing interventions and effective services for children with cerebral palsy
Paul Dawson	E Hurron, Vicki Flenady, Barbara Lingwood , Yvonne Eiby, Paul Colditz , Pieter Koorts , Kumar	Improving health outcomes for preterm infants using a preclinical Pig Translational model (PigTail study)
Andrew Wong	Coulthard, Stephen Read, Simon Finnigan	Continuous Monitoring During Acute Stroke Reperfusion Therapy
Stella Tracey Bjorkman		Seizures and injury in the newborn hypoxic-ischemic brain

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Tracey Bjorkman	UQCCR Collaborative Travel Grant	Fetal and Neonatal Workshop, New Zealand

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Paul Colditz , Kiarash Khosrotehrani	Perinatal Research Centre	Stem cell treatment for neonatal brain injury	Perpetual Impact	\$6,000	\$12,126.84 (2017-2018)
Paul Colditz , Steve Mehrkanoon, Simon Finnigan , Stella T Bjorkman, Helen Liley, Sam Bora	Perinatal Research Centre	EEG acquisition system	Faculty of Medicine's Research Equipment and Infrastructure Investment scheme	\$41,000	\$41,000 (2017)
Paul Colditz , Julie Wixey, Stella T Bjorkman	Perinatal Research Centre	Reducing inflammation in growth restricted newborn brains	Children's Hospital Foundation	\$28,172	\$56,344 (2017-2018)
Paul Colditz , Kiarash Khosrotehrani, Stella T Bjorkman, Nick Fisk, Barbara Lingwood , Julie Wixey	Perinatal Research Centre	Improving brain oxygen levels in babies using stem cell treatment	Children's Hospital Foundation	\$75,000	\$150,000 (2017-2018)
Tim Donovan , Barbara Lingwood , Paul Colditz , Marloes Dekker Nitert	Perinatal Research Centre	Long-term consequences of altered neonatal adiposity	Royal Brisbane and Women's Hospital Foundation	\$38,979	\$38,979 (2017)
Barbara Lingwood , Yvonne Eiby, Paul Colditz , Julie Wixey	Perinatal Research Centre	A pre-clinical trial of early blood transfusion to reduce preterm brain injury	Royal Brisbane and Women's Hospital Foundation	\$38,587	\$38,587 (2017)
Barbara Lingwood , Michael Stark, Paul Colditz , Ian Wright, Yvonne Eiby	Perinatal Research Centre	A pre-clinical trial of early blood transfusion for improving cerebral oxygen delivery in very preterm neonates	NHMRC Project grant	\$323,534	\$970,603 (2017-2019)
Paul Colditz , Stella T Bjorkman, Julie Wixey	Perinatal Research Centre	Blood biomarkers of brain injury following hypoxia-ischaemia in the neonate	Royal Brisbane and Women's Hospital Foundation	\$40,000	\$40,000 (2017)
Roslyn Boyd, I Novak, E Wallace, N Badawi, M Fahey, S Rose, P Colditz , J Ziviani, C Elliott, N Stott	Perinatal Research Centre	Australasian Cerebral Palsy Clinical Trials Network (AusCP-CTN): optimizing interventions and effective services for children with cerebral palsy	NHMRC Centres of Research Excellence	\$500,000	\$2,500,000 (2017-2020)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Roslyn Boyd, Paul Colditz , S Rose, M Karunanithi, A Smith, A Scuffham, P Edwards, I Novak, C Morgan, N Badawi	Perinatal Research Centre	Advancing Cerebral Palsy in Queensland	Advance QLD Innovation Partnerships Program	\$300,000	\$1,500,000 (2017-2020)
Paul Colditz , Julie Wixey, Susan Sullivan, Melissa Lai	Perinatal Research Centre	Protecting growth restricted newborn brains by reducing inflammation	Royal Brisbane and Women's Hospital Foundation	\$20,000	\$40,000 (2016-2017)
Paul Colditz , Melissa Lai , Stella T Bjorkman, Kirat Chand	Perinatal Research Centre	Novel approaches to protecting the newborn brain	Royal Brisbane and Women's Hospital Foundation	\$20,000	\$40,000 (2016-2017)
Paul Colditz , Roslyn Boyd, Atul Malhotra, Stephen Rose, Boualem Boashash, Michael Ditchfield, Michael Fahey, Kerstin Pannek, Randal Moldrich	Perinatal Research Centre	Neurodevelopment of the preterm infant	NHMRC Project Grant	\$329,028	\$1,645,141 (2015-2019)
Stella Tracey Bjorkman, Paul Colditz , Sampsa Vanhatalo	Perinatal Research Centre	Carbon dioxide as a treatment for seizures in the newborn	NHMRC Project Grant	\$238,630	\$850,890 (2015-2017)
Katie Foxcroft & Katie Groom	Perinatal Research Centre	STRIDER (NZAus): A randomised controlled trial of sildenafil therapy in dismal prognosis early-onset intrauterine growth restriction (New Zealand and Australia)	University of Auckland	\$6,310	\$6,310 (2015-2017)
Boualem Boashash, Paul Colditz	Perinatal Research Centre	Automated Neonatal EEG Quality Assessment & Improvement using Artefact Filtering and Signal Segmentation	Qatar National Research Fund	\$167,500	\$670,000 (2013-2017)
Rebecca Pelekanos, Paul Colditz , Zoe Ireland, Nicholas Fisk, Roslyn Boyd	Perinatal Research Centre	Stem cell therapy and neurostimulation repair of white matter injury to prevent cerebral palsy	Cerebral Palsy Alliance	\$39,875	\$159,500 (2014-2017)
Paul Colditz , Matthew Sanders, Roslyn Boyd, Margo Pritchard, Peter Gray, Michael O'Callaghan, Virginia Slaughter, Koa Whittingham	Perinatal Research Centre	A randomised controlled trial of enhanced parenting capacity to improve developmental outcomes in preterm infants	NHMRC Project Grant	\$166,055	\$996,335 (2012-2017)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Stella Tracey Bjorkman	Perinatal Research Centre	Lions Senior Medical Research Fellowship: Seizures and injury in the newborn hypoxic- ischemic brain	Senior Medical Research Fellowship	\$142,333	\$996,335.25 (2011-2018)
Paul Colditz, Barbara Lingwood, Kathryn Buller	Perinatal Research Centre	Brain Research Advances in Newborns (The BRAIN Project)	Royal Brisbane & Women's Hospital Research Foundation	\$115,714	\$810,000.00 (2009-2018)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Barnes SK, Eiby YA, Lee S, Lingwood BE , Dawson PA. Structure, organization and tissue expression of the pig SLC13A1 and SLC13A4 sulfate transporter genes. <i>Biochem Biophys Res.</i> 2017;10:215-23.
Journal article	Chand KK, Lee KM, Lavidis NA, Noakes PG. Loss of laminin-alpha4 results in pre- and postsynaptic modifications at the neuromuscular junction. <i>Faseb J.</i> 2017;31(4):1323-36
Journal article	Finnigan S, Colditz PB. Predominant slow EEG activity in healthy neonates: Transient thalamo-cortical dysrhythmia? <i>Clin Neurophysiol.</i> 2017;128(1):233-4.
Journal article	Finnigan S, Colditz PB. What is the optimal frequency range for quantifying slow EEG activity in neonates? Insights from power spectra. <i>Clin Neurophysiol.</i> 2017;129(1):143-4.
Journal article	George JM, Fiori S, Fripp J, Pannek K, Bursle J, Moldrich RX, Colditz PB , et al. Validation of an MRI Brain Injury and Growth Scoring System in Very Preterm Infants Scanned at 29- to 35-Week Postmenstrual Age. <i>AJNR Am J Neuroradiol.</i> 2017;38(7):1435-42.
Journal article	George JM, Pannek K, Rose SE, Ware RS, Colditz PB , Boyd RN. Diagnostic accuracy of early magnetic resonance imaging to determine motor outcomes in infants born preterm: a systematic review and meta-analysis. <i>Dev Med Child Neurol.</i> 2017.
Journal article	Goasdoue K, Miller SM, Colditz PB , Bjorkman ST. Review: The blood-brain barrier; protecting the developing fetal brain. <i>Placenta.</i> 2017;54:111-6.
Journal article	Humphrey MD, Foxcroft KF, Callaway LK. Obstetric risk score - revalidated for triaging high-risk pregnancies in rural areas. <i>Aust N Z J Obstet Gynaecol.</i> 2017;57(1):63-7.
Journal article	Kalanjati VP, Wixey JA, Miller SM, Colditz PB , Bjorkman ST. GABAA receptor expression and white matter disruption in intrauterine growth restricted piglets. <i>Int J Dev Neurosci.</i> 2017;59:1-9.
Journal article	Kane N, Acharya J, Benickzy S, Caboclo L, Finnigan S , Kaplan PW, Shibasaki H, Pressler R, van Putten MJAM. (2017). A revised glossary of terms most commonly used by clinical electroencephalographers and updated proposal for the report format of the EEG findings. <i>Clinical Neurophysiology Practice.</i> 2:170–185. doi: 10.1016/j.cnp.2017.07.002
Journal article	Lee KM, Chand KK, Hammond LA, Lavidis NA, Noakes PG. Functional decline at the aging neuromuscular junction is associated with altered laminin-alpha4 expression. <i>Aging (Albany NY).</i> 2017.
Journal article	Miller SM, Goasdoue K, Bjorkman ST. Neonatal seizures and disruption to neurotransmitter systems. <i>Neural Regen Res.</i> 2017;12(2):216-7.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Miller SM, Kalanjati VP, Colditz PB , Bjorkman ST. Developmental Changes in Expression of GABAA Receptor Subunits alpha1, alpha2, and alpha3 in the Pig Brain. <i>Dev Neurosci</i> . 2017;39(5):375-85.
Journal article	Morong JJ, Martin JK, Ware RS, Colditz PB , Robichaux AG, 3rd. Comparison of In-Hospital Maternal Mortality Between Hospital Systems in Queensland, Australia and Louisiana, United States. <i>Ochsner J</i> . 2017;17(3):243-9.
Journal article	Ratnasingham A, Eiby YA, Dekker Nitert M, Donovan T , Lingwood BE . Review: Is rapid fat accumulation in early life associated with adverse later health outcomes? <i>Placenta</i> . 2017;54:125-30.
Journal article	Schlegel RN, Spiers JG, Moritz KM, Cullen CL, Bjorkman ST, Paravicini TM. Maternal hypomagnesemia alters hippocampal NMDAR subunit expression and programs anxiety-like behaviour in adult offspring. <i>Behav Brain Res</i> . 2017;328:39-47.
Journal article	Schleiger E, Wong A, Read S, Rowland T, Finnigan S. Poststroke QEEG informs early prognostication of cognitive impairment. <i>Psychophysiology</i> . 2017;54(2):301-9.
Journal article	Tarnow-Mordi W, Morris J, Kirby A, Robledo K, Askie L, Brown R, Colditz PB , et al. Delayed versus Immediate Cord Clamping in Preterm Infants. <i>N Engl J Med</i> . 2017.
Journal article	Wixey JA, Chand KK, Colditz PB , Bjorkman ST. Review: Neuroinflammation in intrauterine growth restriction. <i>Placenta</i> . 2017;54:117-24.
Journal article	Wixey JA, Colditz PB , Bjorkman ST. Targeting inflammation to reduce brain injury in growth restricted newborns: A potential treatment? <i>Neural Regen Res</i> . 2017; 12(11):1804-1806.
Journal article	Wood K, Mantzioris E, Lingwood B , Couper J, Makrides M, Gibson RA, et al. The effect of maternal DHA supplementation on body fat mass in children at 7 years: follow-up of the DOMInO randomized controlled trial. <i>Prostaglandins Leukot Essent Fatty Acids</i> . 2017.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
International poster presentation	Lingwood BL , Al-Theyab N, Donovan T , Eiby YA, Colditz PB (2017) When and why do preterm infants accumulate fat? Growth and Nutrition. Fourth International Conference on Nutrition and Growth. Amsterdam, The Netherlands.
National invited oral presentation	Lingwood BL (2017) Supporting preterm cardiovascular function. Australian Physiological Society, Melbourne, Australia.
Invited poster presentation	Eiby YA, Bjorkman ST, Miller SM, Chand KK, Colditz PB , Lingwood BL (2017) Volume expansion using saline fails to support blood pressure and is associated with white matter injury in preterm piglets. Second annual meeting of the Queensland Perinatal Consortium, Brisbane, Australia.
Invited oral presentation	Dawson PA, Lingwood BE , Eiby YA, Barnes SK, Colditz PB , Boyd RN, Badawi N, Koorts PJ, Kumar S, Flenady VJ, Hurron EM, (2017) Preterm piglets are a model of sulphate deficiency in the human preterm infant. Second annual meeting of the Queensland Perinatal Consortium, Brisbane, Australia.
National oral presentation	Dawson PA, Eiby YA, Barnes SK, Boyd RN, Badawi N, Koorts PJ, Kumar S, Flenady VJ, Hurron EM, Colditz PB , Lingwood BE (2018) Preterm piglets are a model of human preterm infant sulphate deficiency. Twenty-second Annual Congress of the Perinatal Society of Australia and New Zealand, Auckland, New Zealand
International Oral	Popat H, Galea C, Evans N, Lingwood B , Colditz P , Halliday R, Greenhalgh M, Malcolm G, Osborn DA. Determinants of cerebral oxygenation in preterm infants <30 weeks. Pediatric Academic Societies (PAS) Meeting, San Francisco, CA, May 6 – 9, 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
International Oral	Popat H, Galea C, Evans N, Lingwood B , Colditz P , Halliday R, Greenhalgh M, Malcolm G, Osborn DA. Effect of delayed cord clamping on cerebral oxygenation in preterm infants <30 weeks gestation. Pediatric Academic Societies (PAS) Meeting, San Francisco, CA, May 6 – 9, 2017.
National oral presentation	Al-Theyab NA, Donovan TJ , Eiby YA, Colditz PB , Lingwood BE . When and why do very preterm infants become fat? Annual Congress of the Perinatal Society of Australia and New Zealand, Canberra, ACT, April 2-5, 2017.
National Poster	Dawson PA, Lingwood BE , Eiby YA, Barnes SK, Colditz PB , Boyd RN, Badawi N, Koorts PJ , Kumar S, Flenady VJ, Hurron EM. Improving health outcomes for preterm infants using a preclinical Pig Translational model (PigTail study). Annual Congress of the Perinatal Society of Australia and New Zealand, Canberra, ACT, April 2-5, 2017.
National oral presentation	Popat H, Galea C, Evans N, Lingwood B , Colditz P , Halliday R, Greenhalgh M, Malcolm G, Osborn DA. Determinants of cerebral oxygenation in preterm infants <30 weeks. Annual Congress of the Perinatal Society of Australia and New Zealand, Canberra, ACT, April 2-5, 2017.
National oral presentation	Popat H, Galea C, Evans N, Lingwood B , Colditz P , Halliday R, Greenhalgh M, Malcolm G, Osborn DA. Effect of delayed cord clamping on cerebral oxygenation in preterm infants <30 weeks gestation. Annual Congress of the Perinatal Society of Australia and New Zealand, Canberra, ACT, April 2-5, 2017.
Invited oral presentation	Wixey JA. Erythropoietin in HIE – what do animal studies tell us? PAEAN Plus: HIE and Neuroprotection symposium. Mater Mothers Hospital, South Brisbane. August 2017
National oral presentation	Wixey JA, Sukumar K, Miller SM, Goasdoue K, Colditz PB , Bjorkman ST, Chand KK. Anti-inflammatory treatment to reduce brain injury in the growth restricted neonate. 31st Annual Fetal and Neonatal Workshop of Australia and New Zealand, Canberra. March 2017
National oral presentation	Sukumar K, Chand KK, Miller SM, Goasdoue K, Colditz PB , Bjorkman ST, Wixey JA. Neuroinflammation in the IUGR piglet model. Queensland Perinatal Consortium, Translational Research Institute, Woolloongabba, Brisbane. July 2017
National Poster	Goasdoue K, Miller SM, Chand KK, Wixey J, Colditz PB , Bjorkman ST. Inflammation and blood-brain barrier disruption occurs rapidly following neonatal hypoxic-ischaemic encephalopathy. Queensland Perinatal Consortium, Translational Research Institute, Woolloongabba, Brisbane July 2017
International poster	Goasdoue K, Miller SM, Chand K, Colditz PB , Bjorkman ST. Changes to BBB following neonatal HIE. BMNN. Killarney, Ireland. 2017
National poster	Bazley S, Miller SM, Chand KK, Colditz PB , Bjorkman ST. Differential expression of the GABAA subunit following neonatal hypoxia-ischemia in the newborn piglet - a novel examination. Queensland Perinatal Consortium, Translational Research Institute, Woolloongabba, Brisbane. 2017
National poster	Doneman A, Miller SM, Chand K, Goasdoue K, Colditz PB , Bjorkman ST. Alterations to the ATP-binding cassette transporter following a hypoxic-ischemic insult. Queensland Perinatal Consortium, Translational Research Institute, Woolloongabba, Brisbane. 2017
National poster	Miller SM, Colditz PB , Bjorkman ST. Developmental changes in expression of GABAA subunits alpha1, 2, 3 in the pig brain. Queensland Perinatal Consortium, Translational Research Institute, Woolloongabba, Brisbane. July 2017
Invited oral presentation	Miller SM, Colditz PB , Bjorkman ST. Developmental expression of GABAA alpha1 and 3 subunits in the pig brain. 31st Annual Fetal and Neonatal Workshop of Australia and New Zealand, Canberra. March 2017
Invited oral presentation	Goasdoue K, Miller SM, Chand K, Colditz PB , Bjorkman ST. Alterations in inflammatory markers in piglets with seizures following hypoxia-ischemia. 31st Annual Fetal and Neonatal Workshop of Australia and New Zealand, Canberra. March 2017
Invited oral presentation	Bjorkman ST (2017) HIE – neurobiology of acute and chronic brain injury. PAEAN Plus: HIE and neuroprotection symposium. Mater Mothers Hospital, Brisbane
Invited oral presentation	Bjorkman ST (2017) Neurobiology of seizures in the developing brain – key things to know. PAEAN Plus: HIE and neuroprotection symposium. Mater Mothers Hospital, Brisbane
Invited oral presentation	Bjorkman ST (2017) The pig as a pre-clinical animal model of neonatal HIE. Perinatal Society of Australia and New Zealand. Canberra, Australia

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited oral presentation	Bjorkman ST (2017) Does treating neonatal seizures reduce brain injury and improve neurodevelopmental outcomes? Metro North Research Education Session: interactive research workshop - Research Solutions to Clinical Problems. RBWH Brisbane
Poster presentation	Doneman A, Miller SM, Chand KK, Goasdoué K, Colditz PB , Björkman ST. Alterations to the ATP-binding cassette transporters following neonatal hypoxia-ischaemia. 12th International Cerebral Vascular Biology Conference, Melbourne. Nov 28 – Dec 1 2017
Poster presentation	Goasdoue K, Chand K, Miller S, Wixey J, Colditz P , Bjorkman T. Use of a piglet model to detect blood-brain barrier disruption in neonatal disorders. 12th International Cerebral Vascular Biology Conference, Melbourne. Nov 28 – Dec 1 2017
Poster presentation	Kong A, Finnigan S, Ware R, George J, Boyd R, Colditz P . Brain activity assessed using EEG predicts visual function as 3 months of age in very preterm infants. Royal Brisbane and Women's Hospital Symposium. Brisbane, 2017
National poster presentation	Shen K, Fripp J, Pannek K, George J, Colditz P , Boyd R, Rose S. A spatio-temporal atlas of neonatal diffusion MRI based on kernel ridge regression. International Symposium on Biomedical Imaging. Melbourne, Australia. 2017
International poster presentation	Pannek K, Fripp J, George J, Boyd R, Colditz P , Rose S. Automatic detection of volumes affected by subvolume movement. International Society for Magnetic Resonance in Medicine. Honolulu, USA. 2017
National poster presentation	Pannek K, Fripp J, George J, Boyd R, Colditz P , Rose S. Automatic detection of volumes affected by subvolume motion in diffusion weighted imaging. International Symposium on Biomedical Imaging. Melbourne, Australia. 2017
International poster presentation	George J, Fiori S, Fripp J, Pannek K, Guzzetta A, Coulthard A, Ware R, Rose S, Colditz P , Boyd R. Brain structure at 29–35 weeks postmenstrual age is related to cognitive outcomes at 12 months corrected age in infants born very preterm. 29th European Academy of Childhood Disability Conference. Amsterdam, The Netherlands. 2017
International paper presentation	George J, Fiori S, Fripp J, Pannek K, Guzzetta A, Coulthard A, Ware R, Rose S, Colditz P , Boyd R. New structural MRI scoring system at 29-35 weeks postmenstrual age is associated with motor outcomes at 12 months corrected age in infants born very preterm. 29th European Academy of Childhood Disability Conference. Amsterdam, The Netherlands. 2017
International oral presentation	Boyd R, Fiori S, Guzzetta A, George J, Pannek K. PPREMO Toolbox: Very Early Brain Structure and Function to predict Motor and Brain outcomes in infants born preterm. 29th European Academy of Childhood Disability Conference. Amsterdam, The Netherlands. 2017

OTHER COMMUNICATIONS AND OUTPUTS:

Paul Colditz and Simon Finnigan media release:

[HTTPS://WWW.UQ.EDU.AU/NEWS/ARTICLE/2017/05/BABIES'-SLOW-BRAIN-WAVES-COULD-PREDICT-PROBLEMS](https://www.uq.edu.au/news/article/2017/05/babies'-slow-brain-waves-could-predict-problems)

Paul Colditz UQ Medicine Magazine:

[HTTPS://SHORTHAND.UQ.EDU.AU/MEDICINE/COULD-STEM-CELLS-REPAIR-BRAIN-INJURIES-IN-BABIES/](https://shorthand.uq.edu.au/medicine/could-stem-cells-repair-brain-injuries-in-babies/)

Harcourts Foundation Butterfly Ball, Hilton, Brisbane. November 2017

OBSTETRICS & GYNAECOLOGY SERVICES

The Department of Obstetrics and Gynaecology continues to increase its activity and provides tertiary and quaternary obstetrics and gynaecology services for MNHHS and QLD. The departments are involved in multidisciplinary research to ensure the care of the women we treat and manage is contemporary and evidenced based.

The multidisciplinary services include:

- Birthing Services and Birthing Centre
- Antenatal Day Assessment Service
- Obstetric Review Centre
- Maternity Outpatients Service
- Young Parents Program
- Team midwifery models in conjunction with obstetric care
- Midwifery group practice
- Eligible Private Practice Midwives
- Inpatient Unit and Lactation Service.
- General gynaecology
- Obstetric Medicine Services and Obstetric Telehealth Services
- General Practitioner Maternity shared care program
- Multidisciplinary BRAC 1 clinic
- Statewide paediatric and adolescent gynaecology
- Prolapse and incontinence surgery
- Gestational trophoblastic disease
- Endocrine Service
- Reproductive Endocrinology and Infertility services
- Early pregnancy assessment unit
- Acute and emergency gynaecological care
- Colposcopy

Maternity Services collaborate closely with the Perinatal Research Centre, University of QLD and UQCCR for ongoing multi-centre research projects. The Maternal Fetal Medicine unit provides a comprehensive and competitive environment for prospective and retrospective research and audits as well as undertaking collaborative research with other centres in Australia and New Zealand. The unit has published two 10 year reviews looking at extreme preterm breech and outcomes and a review of stillbirths at RBWH. The unit has also collaborated with the anaesthetics department on maternal subcutaneous fat and outcomes.

The Statewide Paediatric and Adolescent Gynaecology Service, which is based at RBWH has received numerous research grants, both QLD and Commonwealth. The unit is active in research and presents and publishes internationally. The unit provides an outreach services to the Lady Cilento Children's Hospital.

Associate Professor Chris Maher, Urogynaecologist, is involved in international multicentre research and Cochrane reviews aimed at researching the most effective treatments for women with urogynaecological issues to improve patient outcomes.

Reproductive endocrinology and infertility is a division of the Department of Gynaecology. Professor Hayden Homer the Christopher Chen Chair in Reproductive Medicine at UQ has established Queensland's first Oocyte Biology Research Laboratory situated in the UQCCR. Professor Homer is the director of the lab and his research is funded by 3 NHMRC Grants worth over \$1.7M. A major aspect of his research seeks to better understand the molecular determinants of oocyte quality and to identify pathways that could be amenable to modification for reversing poor oocyte quality. This knowledge will improve the efficiency of IVF with associated reduction in risks and costs to patients. Another major objective of this research is to develop novel and less invasive approaches for female fertility preservation. Increasing cancer survivorship has increased the numbers of reproductively-aged women who survive their disease and are desirous of pregnancy. The research unit is developing agents that can possibly be administered as a simple pill to increase oocyte resilience to chemotoxicity thereby preserving fertility (termed oncofertility).

The Obstetrics and Gynaecology department collaborates with numerous other departments within Metro North Hospital and Health Service (MNHHS) as well as with UQ, UQCCR, Mater Hospital, interstate hospitals and New Zealand.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Angela North	Masters	Masters of Philosophy, Anticoagulation in pregnancy	Karin Lust, Karen Whifield, Helen Barrett
Goutham Subramanian	PhD, UQ (2016-2019)	The role of single-strand binding proteins in repair of DNA damage and oocyte quality	Hayden Homer, Kum Kum Khanna
Jessica Greaney	PhD, UQ (2017-2020)	The role of Sirtuin 1 in oocyte development and female fertility	Hayden Homer, Carlos Salomon-Gallo
Juvita DeLancy	PhD, UQ (2017-2019)	Sirtuin 3 regulation of oocyte quality in obesity and during ageing	Hayden Homer, Carlos Salomon-Gallo
Mohammed Altaf	PhD, UQ (2017-2019)	The role of Sirtuin 3 in male fertility and spermatogenesis	Hayden Homer, Martin Lavin
Pia Astbury	Honours, UQ (2017-2018)	Oxidative stress in human oocytes	Hayden Homer
Ameer Alhusuny	PhD, UQ (2017-2021))	(Factors associated with neck/shoulder and vision symptoms in surgical teams performing Minimally Invasive Surgeries (MIS) in Australia	Akram Khalil

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Hayden Homer	Christopher Chen Chair of Reproductive Medicine	Director of Christopher Chen Oocyte Biology Research Laboratory, UQCCR, Faculty of Medicine	UQ (2016-current)
Rebecca Kimble	Associate Professor	Faculty of Medicine	University of Queensland 2007-current
Rebecca Kimble	Adjunct Associate Professor	Faculty of Health Sciences	Queensland University of Technology
Karin Lust	Associate Professor	Faculty of Medicine	University of Queensland 2014-current
Akwasi Amoako	Senior Lecturer	Faculty of Medicine	University of QLD 2017- ongoing

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Dr Julie Lee, Dr Amy Krepska, Dr Claire Manning, Dr Victoria Eley, A/ Professor Kerstin Wyssusek, A/ Professor Paul Gray, Professor Andre van Zundert, A/Professor Rebecca Kimble, Dr John Rowell, Professor Leonie Callaway		ROTEM thromboelastometry in pre-eclamptic obstetric patients: a prospective observational study on labour ward inpatients
Andreas Obermair	Keisuke Tanaka, Lars Eriksson	Incidence of adverse events in gynaecological hospital admissions: A systematic review
Karen Baker	Mike Beckmann	PINC trial - Prostaglandin Inpatient iNduction of labour Compared with BALLOon Outpatient iNduction of labour: a randomised controlled trial
Yogesh Chadha	Vicky Flenady	My Baby's Movements: a stepped wedge cluster randomised controlled trial to raise maternal awareness of fetal movements during pregnancy
Renuka Sekar	Katie Groom	Childhood Outcomes of STRIDER NZAus: a randomised controlled trial of sildenafil therapy in dismal prognosis early-onset intrauterine growth restriction (New Zealand and Australia).
Dr.A.Amoako, Dr.R.Sekar	Dr.C.Lehner and Ahn Nguyen	Review of preterm births and cost for period of admission – audit followed by a Prospective study to use modalities to reduce admission –
Thangeswaran Rudra, Akwasi Amoako	Dr Umesha Pathmanathan, Dr Rachel Wilkinson	Reduced Foetal Movements and Maternal and Foetal Outcomes
Hayden Homer	Hayden Homer (RBWH) Prof Martin Lavin (UQ)	Senataxin-mediated repair of DNA damage during oocyte development
Hayden Homer	Hayden Homer (RBWH) Prof Kum Kum Khanna (QIMR)	Role of single strand binding proteins in DNA repair and oocyte quality
Hayden Homer	Hayden Homer (RBWH) Prof Greg Rice (UQ) Dr Carlos Salomon-Gallo (UQ)	Oocyte- and Embryo-derived exosome signalling
Hayden Homer	Hayden Homer (RBWH) Prof David Sinclair (Harvard University) Dr Lindsay Wu (UNSW)	Role of Sirtuin 2 and NAD in oocyte quality during ageing and chemotherapy
Hayden Homer	Hayden Homer (RBWH) Queensland Fertility Group	Human oocyte quality
Hayden Homer	Hayden Homer (RBWH) Dr Sam Hollingworth (UQ) Prof Mieke van Driel (UQ) Dr Treasure McGuire (UQ)	Medicine use for fertility treatments in Australia
Akwasi Amoako	Akwasi Amoako (RBWH) Hayden Homer (RBWH) Queensland Fertility Group Dr Tim Marczylo & Dr Emma Marczylo, Public Health England, Oxford, UK	The impact of environmental toxicants on spermatozoal miRNA profiles; consequences for the developing embryo and the potential transgenerational epigenetic changes and adverse effects in the offspring.

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
UQCCR – Carlos Solomon	Assoc.Prof.Greg Duncombe, Dr.C.Lehner, Dr.R.Sekar	Use of exosomes in predicting pregnancy outcomes

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Emma Borg, T Bagchi, Rebecca Kimble	Prize winner Paediatric and Adolescent Gynaecology session	RCOG World Congress Cape Town March 2017
Alexandra Mowat	RANZCOG Research Scholarship – USGA for polycaplarone study as potential scaffold for prolapse surgery	

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Dr Julie Lee, Dr John Rowell, A/ Professor Rebecca Kimble	Anaesthesia, Obstetrics, Haematology	ROTEM thromboelastometry in pre-eclamptic obstetric patients: a prospective observational study on labour ward inpatients	Department of Anaesthesia Research Fund, RBWH In kind support Haematology RBWH	\$13,000	Approx \$150,000 \$13,000
Hayden Homer (CIA) David Sinclair (CIB) Lindsay Wu (CIC)	Oocyte Biology Research Lab, UQCCR/Laboratory for Ageing, UNSW	Nicotinamide adenine dinucleotide (NAD ⁺)-raising agents for improving oocyte quality	NHMRC commercial partner (JumpStart Fertility)	\$37,446	\$149,785 (2017-2018)
Hayden Homer (CIA) David Sinclair (CIB) Lindsay Wu (CIC)	Oocyte Biology Research Lab, UQCCR/Laboratory for Ageing, UNSW	Nicotinamide adenine dinucleotide (NAD ⁺)-raising agents for improving oocyte quality	NHMRC	\$149,552	\$445,827.00 (2017-2019)
Hayden Homer (CIA) David Sinclair (CIB) Lindsay Wu (CIC)	Oocyte Biology Research Lab, UQCCR/Laboratory for Ageing, UNSW	Female reproductive health preservation by Nicotinamide Adenine Dinucleotide (NAD ⁺) and Sirtuin2 (SIRT2)	NHMRC	\$143,661	\$410,983.00 (2016-2018)

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Hayden Homer (CIA) Robert Gilchrist (CIB) John Carroll (CIC) William Ledger (CID)	Oocyte Biology Research Lab, UQCCR/School of Women's & Children's Health, UNSW/Monash University	A BubR1-centred network for non- invasively measuring human oocyte quality	NHMRC	\$173,538	\$515,615.50 (2015-2017)
Rebecca Kimble	Dept O & G WNS	Queensland Clinical Guidelines Program	Queensland Health	\$750,000	\$3,500,000 (2014 – 2019)
Rebecca Kimble	Dept O & G WNS	Commonwealth Government Specialist Training Program (STP) Paediatrics & Adolescent Gynaecology	Australian Government	\$110,000	\$110,000 (2011 – current)
Rebecca Kimble	Dept O & G WNS	New specialist to sustain the Statewide Paediatric and Adolescent Gynaecology service	Queensland Health	\$380,000	\$380,000 recurrent (2012 - current)
Rebecca Kimble	Dept O & G WNS	Perinatal Mental Health Project	Queensland Health	\$150,000	\$450,000 (2015 – 2017)
Rebecca Kimble	Dept O & G WNS	NeoResus Education Project	Queensland Health	\$150,000	\$450,000 (2015 – 2017)
Rebecca Kimble	Dept O & G WNS	Fellow Training Statewide Paediatric and Adolescent Gynaecology	Commonwealth Department of Health	\$20,000	\$120,000 (2011 – 2016)
Rebecca Kimble	Dept O & G WNS	Fellow Training Statewide Paediatric and Adolescent Gynaecology	Commonwealth Department of Health	\$110,000	\$110,000 (2016)
Rebecca Kimble	Dept O & G WNS	Imminent Birthing Education for non- birthing units and practitioners	Department of Health	\$275,000	\$275,000 (2015 – 2017)
Rebecca Kimble	Dept O & G WNS	Queensland Neonatal Services Advisory Group	Department of Health	\$150,000	\$450,000 (2015 – 2017)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Greaney J, Wei Z, Homer H Regulation of chromosome segregation and the cellular basis for female meiotic errors December 2017 doi: 10.1093/humupd/dmx035
Journal Article	Brown H, Barrett H, Lee J, Pincus J, Kimble RM, Eley V Successful Resuscitation of Maternal Cardiac Arrest with Disseminated Intravascular Coagulation Guided by Rotational Thromboelastometry and Transesophageal Echocardiography: a Case report e-publication November 2017 in journal Cases-anaesthesia-analgesia.org

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Williams M, Bagchi T, Kimble RMN. Menstrual Suppression by Mirena IUD insertion in Adolescents with Disabilities: Using USS Measures of Uterine Cavity Length to Predict procedural Success. Journal of Pediatric and Adolescent Gynecology 30 (2017) 304
Journal Article	Coghill E, Kimble RMN Laparoscopic Hemi-Hysterectomy for an Obstructed Uterine Horn- Experience from a statewide Quaternary Paediatric and Adolescent Gynaecology & Congenital Anomalies Service, Queensland Australia.. Journal of Pediatric and Adolescent Gynecology 30 (2017) 312
Journal Article	Wee A, Kimble RMN Creation and Maintenance of Neo-Vagina with the use of Vaginal Dilators as First Line treatment- Results from a Quaternary Pediatric and Adolescent Gynecology Service in Australia.. Journal of Pediatric and Adolescent Gynecology 30 (2017) 286
Journal Article	Borg E, Bhadange S, Bagchi T, O'Rourke P, Kimble RM Concordance of Magnetic Resonance Imaging with Final diagnosis in Mullerian Duct Anomalies: a Twelve Year Study from an Australian Quaternary Paediatric and Adolescent Gynaecology Centre.. Journal of Pediatric and Adolescent Gynecology 30 (2017) 284
Journal article	Draheim, T and Baker, K. Trauma during Pregnancy. O&G Magazine. Volume 19 No.2 Winter 2017
Journal article	Vasa previa diagnosis, clinical practice and outcomes in australia, Sullivan, Elizabeth; Javid, Nasrin; Duncombe, Gregory; Li,Zhuoyang; Safi, Nadom; Cincotta, Robert; Homer, Caroline; Halliday, Lesley and Oyelese, Yinka. Obstetrics and Gynecology 2017 Sept 130(3)
Journal article	Low first-trimester papp-a in ivf (fresh and frozen-thawed) pregnancies, likely due to a biological cause, Lauren P. Hunt, A. M. McInerney-Leo, S. Sinnott, B. Sutton, R. Cincotta, G. Duncombe, J. Chua AND M.Peterson. J Assist Reprod Genet 2017 July DOI 10.1007/s10815-017-0996-1
Journal article	Health care experiences among women diagnosed with gestational breast cancer. Karin Hammarberg, Elizabeth Sullivan, Nasrin Javid, Greg Duncombe, Lesley Elizabeth Halliday, Frances Boyle, Christobel M Saunders, Angela Ives, Jan E Dickinson and J.R.W Fisher. European Journal of Cancer Care, 2017 Mar 24. doi: 10.1111/ecc.12682.
Journal article	Next-generation mirna sequencing reveals that exosomes in maternal circulation of gestational diabetes pregnancies regulate glucose metabolism in placental cells Adam, Stefanie, Guanzon, Dominic, Scholz-Romero, Katherin, Elfeky, Omar, Longo, Sherri, Lai, Andrew, Duncombe, Gregory, Rice, Gregory E., Lappas, Martha and Salomon, Carlos (2017). 64th Annual Scientific Meeting of the Society-for-Reproductive-Investigation (SRI), Orlando, FL, United States, (217A-217A). 15-18 March 2017. doi:10.1177/1933719117699773
Journal article	Maternal bmi regulates the exosome bioactivity on cytokine release from endothelial cells. Elfeky, Omar, Longo, Sherri, Lai, Andrew, Duncombe, Gregory, Rice, Gregory E. and Salomon, Carlos (2017). 64th Annual Scientific Meeting of the Society-for-Reproductive-Investigation (SRI), Orlando, FL, United States, (120A-120A). 15-18 March 2017. doi:10.1177/1933719117699773
Journal article	Mode of delivery in singleton extreme preterm breech babies and outcomes ANZJOG, Dr.F.Hill, Dr.R.Sekar
Book Chapter	Amoako AA, Nafee TM, Ola B. Epigenetic Influences during the Periconception Period and Assisted Reproduction. In Periconception in Physiology and Medicine. Advances in Experimental Medicine and Biology Book Series (AEMB, Volume 1014 2017): Alireza Fazeli and William V. Holt (Editors) Springer-Verlag, Cham, 2017, pages 15-39.
Book Chapter	Kayes O, Amoako A. Sperm Retrieval. In Oxford Textbook of Urological Surgery. Freddie C. Hamdy and Ian Eardley (Editors). Oxford University Press, Oxford, 2017, Pages 849-853.
Journal article	Sekar, Renuka Pels, A. et al. BMC Pregnancy and Childbirth 17: 2017. STRIDER (Sildenafil Therapy in dismal prognosis early onset fetal growth restriction): An international consortium of randomised placebo-controlled trials

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Subramanian G, Greaney J, Wei Z, Becherel O, Lavin M, Homer H Premature ovarian insufficiency in the absence of Senataxin Society for Reproductive Biology Annual Conference, August 2017, Perth
Oral	Ho WH, Listijono D, Li S, Sinclair D, Homer H , Wu L Preservation of female reproduction from cancer treatment through manipulation of NAD+ Society for Reproductive Biology Annual Conference, August 2017, Perth
Oral	Zhou C, Greaney J, Debottam K, Khanna KK, Homer H Cep55 couples proteolysis with anaphase and interkinesis in oocytes Society for Reproductive Biology Annual Conference, August 2017, Perth
Oral	Wu L, Ho WH, Listijono D, Bertoldo M, Li N, Youngson N, Braidy P, Kordowitzki P, Turner N, Morris M, Gilchrist R, Walters K, Sinclair D, Homer H Protection and restoration of female fertility during gonadotoxic chemotherapy by elevating NAD+ Society for Reproductive Biology Annual Conference, August 2017, Perth
Poster	Wei T, Homer H Cyclin B1 is controlled at the translational level in small oocytes from pre-antral follicles Society for Reproductive Biology Annual Conference, August 2017, Perth
Poster	Altaf M, McGuire T, van Driel M, Hollingworth S, Homer H Anovulatory infertility in Australia: A retrospective analysis of medicine use and health outcomes ASCEPT APSA Annual Scientific Meeting, December 2017, Brisbane
Invited	Homer H Ageing and eggs: can we reverse the age-related decline in egg quality. Public Lecture on Age, Fertility and Advancements in Reproductive Medicine, January 2017 Singapore
Invited	Homer H New developments for reversing ageing effects on female fertility ACRM Symposium on Advances in Reproductive Medicine, November 2017, Singapore
Poster	Angela North, Karen Whitfield, Karin Lust, Helen Barrett. Therapeutic Heparin in the Obstetric Patient - SOMANZ 2017. Canberra.
Oral	Investigating Unexplained Stillbirth and Improving Care - a retrospective study at the Royal Brisbane and Women's Hospital (RBWH), Christoph Lehner, Renuka Sekar PSANZ Canberra 2017
Poster	Investigating Unexplained Stillbirth and Improving Care - a retrospective study at the Royal Brisbane and Women's Hospital (RBWH), Christoph Lehner, Renuka Sekar , RBWH Symposium September 2017
Poster	Amanda Harry Health service provision of contraceptive care for women attending drug and alcohol treatment services: A retrospective study. RBWH Symposium September 2017
Poster	Angela North Therapeutic heparin during the peri partum period – challenges associated with safe use. RBWH Symposium September 2017
Oral	Victoria Eley Epidural extension failure in women with class iii obesity is comparable to that of non-obese women. a prospective two-centre cohort study. rbwh Symposium September 2017
Oral	Victoria Eley Interpretation of care guidelines for obese women in labour: intergroup language and social identity. RBWH Symposium September 2017
Poster	Elise Coghill 10 years of experience with scar ectopic pregnancies at the royal brisbane and womens hospital. RBWH Symposium September 2017
Poster	Elise Coghill Severe inflammation, adhesion formation and pain in response to the use of floseal for haemostasis during laparoscopic surgery. RBWH Symposium September 2017
Poster	Hilary Jimmieson high maternal weight and excess weight gain in pregnancy, does weight play a role? RBWH Symposium September 2017
Poster	Karen Whitfield Maternity outpatient department clinic – a new role for the women's and newborns pharmacist. RBWH Symposium September 2017
Poster	Pinar Cingilogu Repeat course of antenatal corticosteroids. rbwh symposium september 2017
Poster	Pinar Cingilogu Case study: live delivery of triploid fetus and healthy co-twin. RBWH Symposium September 2017
Poster	Priyanka Kosanam Naturally conceived heterotopic pregnancy. RBWH Symposium September 2017
Poster	Rebecca Christensen Does cefazolin prophylaxis during elective bariatric caesarean section achieve therapeutic concentrations in plasma and interstitial fluid?

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Susan De Jersey Previous weight management experiences are important: lifestyle specific health cognitions associated with excess gestational weight gain. RBWH Symposium September 2017
Poster	Amanda Harry Health service provision of contraceptive care for women attending drug and alcohol treatment services: A retrospective study. RBWH Symposium September 2017
Oral	Khalil, Akram The new cervical screening program. Why should we know about it. RBWH Symposium September 2017.
Oral	Khalil, Akram Australian Gynaecology Endoscopic Surgery AGES March 2017 (formation and pain in response to the use of floseal for haemostasis during laparoscopic surgery)



OBSTETRIC MEDICINE

The Department of Obstetric Medicine conducts research focussed on the health care of women with complex pregnancies. The aim is to improve outcomes for these women and their babies. The department is involved in a number of collaborative research projects including a large NHMRC funded study evaluating the guided treatment of asthma in pregnancy. Other research studies focus on maternal metabolism, in particular lipids and ketones in pregnancy, diabetes and dietetic interventions for pregnant women with diabetes and anaesthetic issues in women with obesity complicating pregnancy.

The department has been active in presenting its work at multiple conferences with eight oral and four poster presentations conducted throughout the year. In addition to this, the department has published 14 journal articles and 1 book chapter. Two highlights for the year were the completion of three higher research degrees in the department and being awarded a metro north research excellence award.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Dr Helen Robinson	PhD, UQ (2015 – ongoing)	Carbohydrate restriction in the management of gestational diabetes mellitus	Leonie Callaway, Marloes Dekker Nitert, Helen Barrett
Dr Fiona Britten	PhD, UQ (2014 – ongoing)	Breastfeeding in women with type 2 diabetes	Emma Duncan, Leonie Callaway
Angela North	Masters, UQ (2016 – ongoing)	Therapeutic heparin antenatal and peripartum	Karin Lust, Karen Whitfield, Helen Barrett
Dr Victoria Eley	Completed PhD, UQ (2015-2017)	Clinical guidelines relating to the anaesthetic management of obese parturients: An evaluation of their clinical utility and supporting evidence	Leonie Callaway
Luisa Gomez Arango	Completed PhD, UQ (2014-2017)	Microbiome in pregnancy	Leonie Callaway, Marloes Dekker Nitert
Dr Kristine Matusiak	Completed MPhil (2012-2017)	Effects of preconception weight loss on the HRA axis	Leonie Callaway, Marloes Dekker Nitert

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Helen Barrett	National Health Medical Research Council Early Career Fellowship	Maternal metabolism in diabetes in pregnancy	2017-2020
Katie Foxcroft	Adjunct Fellow	Clinical Trial Coordinator	University of Queensland (current)

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Felicity Stalley	Research Nurse	Clinical Trials	University of Queensland (current)
Annelise Kirkham	Research Nurse	Clinical Trials	University of Queensland (current)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Leonie Callaway	Lynda Ross, Taylor Guthrie, Jeanette Tyler, Nickie Moreton, Karen New, Janelle Laws, Susie de Jersey	Evaluation of workforce training to support Healthy Pregnancy Healthy Baby
Leonie Callaway	Taylor Guthrie, Jeanette Tyler, Nickie Moreton, Karen New, Susie de Jersey	Efficacy of a low intensity consumer held pregnancy weight monitoring tool to prevent excess gestational weight gain
Leonie Callaway	Elizabeth Eakin, Shelly Wilkinson, Tracy Comans, Claire Gardiner, Hilary Jimmison, Taylor Guthrie, Susie de Jersey	Implementation evaluation of a telephone-delivered dietetic model of care for overweight pregnant women

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Murphy V, Gibson P, Hensley M, Mattes J, Giles W, Peek M, Bisits A, McCaffery K	Callaway L, Colditz P, Barrett H	Breathing for Life Trial
EURObservational research programme	Lust K, Parsonage W	Registry of pregnancy and cardiac disease

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Obstetric Medicine Research Team	Metro North Research Excellence Award 2017	Metro North Hospital and Health Service Research Excellence Awards 2017

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Murphy V, Gibson P, Hensley M, Mattes J, Giles W, Peek M, Bisits A, Callaway L , McCaffery K, Barrett H.	Obstetric medicine	The Breathing for Life Trial (BLT): A randomized trial of fractional exhaled nitric oxide based management of asthma during pregnancy and its impact on perinatal outcomes and infant and childhood respiratory health.	National Health and Medical Research Council	\$1,647,906	\$1,647,906 (2014-2018)
Simmons D, Callaway L , Dekker M, Ng D	Obstetric medicine	Trophoblast cell-cell fusion in preeclampsia	National Health and Medical Research Council	\$487,273	\$487,273 (2017-2019)
Barrett HL , Dekker Nitert M, Callaway LK , McIntyre HD, Morrison, M	Obstetric medicine	Linking maternal and infant oral microbiome: effects of GDM or effects of probiotics?	Diabetes Australia Research Program Grant	\$65,439	\$65,439 (2017)
Callaway L	Obstetric medicine	Antibiotics in pregnancy: unintended effects on the microbiome, maternal metabolism and infant body composition	Royal Brisbane and Women's Hospital Research Project Grant.	\$40,000	\$40,000 (2017)
Richard K, Barrett HL , D'Emden M	Obstetric medicine	The role of the high density lipoprotein receptor scavenger receptor class B member 1 (SRB1) in placental uptake of thyroid hormone	Pathology Queensland – Study, Education and Research Committee	\$50,000	\$50,000 (2017)
Regan AK, Andrews RM, Moore HC, Binks MJ, McHugh L, Pereira G, Blyth CC, Van Buynder PG, Lust K	Obstetric medicine	Influenza and pertussis vaccine effectiveness in pregnancy	National Health and Medical Research Council	\$676,333.20	\$676,333.20

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Achong N, Duncan EL , McIntyre HD, Callaway L . The physiological and glycaemic changes in breastfeeding women with type I diabetes mellitus. Diabetes Res Clin Pract. 2017 Nov 14;135:93-101.
Journal Article	Callaway L , Eley V . Obesity and complications from neuraxial analgesia – we need to know more. Paediatr Perinat Epidemiol. 2017 Nov;31(6):506-508.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal Article	Carter HE, Winch S, Barnett AG, Parker M, Gallois C, Willmott L, White BP, Patton MA, Burrige L, Salkield G, Close E, Callaway L , Graves N. Incidence, duration and cost of futile treatment in end of life hospital admissions to three Australian public-sector tertiary hospitals: a retrospective multicentre cohort study. <i>BMJ Open</i> . 2017 Oct 16;7(10)
Journal Article	Barrett HL, Callaway LK . Hypertensive disorders of pregnancy. <i>BMJ</i> . 2017 Jul 13;358:j3245.
Journal Article	Gomez-Arango LF, Barrett HL , McIntyre HD, Callaway LK , Morrison M, Nitert MD. Contributions of the maternal oral and guy microbiome to placental microbial colonization in overweight and obese pregnancy women. <i>Sci Rep</i> . 2017 Jun 6;7(1):2860.
Journal Article	Humphrey MD, Foxcroft KF, Callaway LK . Obstetric risk score – revalidated for triaging high-risk pregnancies in rural areas. <i>Aust N Z J Obstet Gynaecol</i> . 2017 Feb;57(1):63-67.
Journal Article	Gomez-Arango LF, Barrett HL , McIntyre HD, Callaway LK , Morrison M, Dekker Nitert M. Antibiotic treatment at delivery shapes the initial oral microbiome in neonates. <i>Sci Rep</i> . 2017 Feb 27;7:43481.
Journal Article	de Jersey SJ , Mallan KM, Callaway LK , Daniels LA, Nicholson JM. Prospective relationships between health cognitions and excess gestational weight gain in a cohort of health and overweight pregnancy women. <i>J Acad Nutr Diet</i> . 2017 Aug;117(8):1198-1209.
Journal Article	Brown H, Barrett HL , Lee J, Pincus JM, Kimble RM, Eley VA. Successful Resuscitation of Maternal Cardiac Arrest With Disseminated Intravascular Coagulation Guided by Rotational Thromboelastometry and Transesophageal Echocardiography: A Case Report. 2017 Oct 26 <i>AA Case Rep</i>
Journal Article	de Jersey SJ , Mallan K, Callaway L , Daniels LA, Nicholson JM. A cross sectional comparison of predisposing, reinforcing and enabling factors for lifestyle health behaviours and weight gain in healthy and overweight pregnancy women. <i>Matern Child Health J</i> . 2017 Mar;21(3):626-635.
Journal Article	Gomez-Arango, L.F., Barrett, H.L. , Wilkinson, S.A., Callaway, L.K. , McIntyre, H.D., Morrison, M., Dekker Nitert, M. (2017) Low dietary fiber intake increases Collinsella abundance in the gut microbiota of overweight and obese pregnant women. <i>Gut Microbes</i> doi: 10.1080/19490976.2017.1406584
Journal Article	Kevat D, Chen M, Wyld D, Fagermo N, Lust K . A case of pulmonary carcinoid in pregnancy and review of carcinoid tumours in pregnancy. <i>Obstet Med</i> . 2017 Sep;10(3):142-149.
Journal Article	Bowyer L, Robinson HL, Barrett H , Crozier TM, Giles M, Idel I, Lowe S, Lust K, Marnoch CA, Morton MR, Said J, Wong M, Makris A. SOMANZ guidelines for the investigation and management sepsis in pregnancy. <i>Aust N Z J Obstet Gynaecol</i> . 2017 Oct; 57(5): 540-551.
Journal Article	Robinson HL, Barrett H, Foxcroft K, Callaway L , Dekker Nitert M. Prevalance of maternal urinary ketones in pregnancy in overweight and obese women. <i>Obstet Med</i> 2017 Dec 5
Book chapter	McIntyre HD, Dekker-Nitert M, Barrett HL, Callaway LK . Obesity and Diabetes in Pregnancy. In <i>A Practical Manual of Diabetes in Pregnancy</i> , Second Edition. Edited by David McCance. Published 2018 by John Wiley and Sons, Ltd. Pages 87-101.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Beech A, Craven AM . The utility of albumin infusion in sub-nephrotic range proteinuria complicating a familial podocytopathy. Society of Obstetric Medicine of Australia and New Zealand Annual Scientific Meeting, 2017.
Oral	Beech A, Caruthers K . Lactation ketoacidosis: a case report and review of the literature. Society of Obstetric Medicine of Australia and New Zealand Annual Scientific Meeting, 2017.

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral Invited	Beech A, Callaway L. High risk case presentation: a pregnancy complicated by belimumab use and lupus nephritis. Society of Obstetric Medicine of Australia and New Zealand Annual Scientific Meeting, 2017.
Oral Invited	Robinson H. Carbohydrate restriction in gestational diabetes mellitus. Society of Obstetric medicine of Australia and New Zealand Annual Scientific Meeting, 2017
Oral	Barrett HL, Gomez-Arango LF, Jensen M, Murphy VE, McIntyre HD, Callaway LK, Dekker Nitert M. Faecal microbiome in women in early pregnancy is altered in the setting of asthma. Society of Obstetric medicine of Australia and New Zealand Annual Scientific Meeting, 2017
Oral	Naderpoor N, Mousa A, Gomez-Arango LF, Barrett HL, Dekker Nitert M, de Courten B. Faecal microbiome is related to anthropometric and metabolic parameters in an overweight or obese otherwise health cohort. Australian Diabetes Society Annual Scientific Meeting, Perth 2017
Oral	Naderpoor N, Mousa A, Gomez-Arango LF, Barrett HL, Dekker Nitert M, de Courten B. The effect of vitamin D supplementation on faecal microbiome in vitamin D deficient overweight or obese adults: a randomised clinical trial. Endocrine Society of Australia Annual Scientific Meeting Perth 2017
Oral	Barrett HL, Dekker Nitert M, de Jersey S, Callaway LK, D'Emden M, McIntyre HD. Maternal capillary triglycerides in late pregnancy. Australian Diabetes Society Annual Scientific Meeting, Perth 2017
Poster	Gomez-Arango, L. F, Barrett, H. L, Wilkinson, S, Callaway, L. K, McIntyre, H. D, Morrison, M, Dekker Nitert, M. A fibre-deprived diet influences Collinsella abundance in the overweight and obese pregnant microbiome and alters maternal metabolic risk. Falk Symposium 2017: Gut Microbiome and Mucosal or Systemic Dysfunction: Mechanisms, Clinical Manifestations and Interventions. Brisbane, Australia.
Poster	Dekker Nitert, M, Gomez-Arango, L. F, D.M. Frazer, H. Barrett, L.K. Callaway, G.J. Anderson. Iron supplementation does not alter the gut microbiome in early pregnancy. Falk Symposium 2017: Gut Microbiome and Mucosal or Systemic Dysfunction: Mechanisms, Clinical Manifestations and Interventions. Brisbane, Australia.
Poster	Kobayashi M, Gomez-Arango, L. F, Carey-Foster W, Callaway, L. K, Morrison, M, Barrett, H. L, Dekker Nitert, M. Antibiotic resistance genes in the gut microbiome of pregnant women. Falk Symposium 2017: Gut Microbiome and Mucosal or Systemic Dysfunction: Mechanisms, Clinical Manifestations and Interventions. Brisbane, Australia.
Poster	Dekker Nitert, M., Gomez-Arango, L.F., Callaway, L.K, McIntyre, H.D., Morrison, M, Barrett, HL. Women who develop hypertensive of pregnancy have altered composition of the gut microbiota at 16 weeks gestation. International Society for the Study of Hypertension European Congress, Berlin Germany 2017
Poster	Angela North, Karen Whitfield, Karin Lust, Helen Barrett. Therapeutic Heparin in the Obstetric Patient - RBWH Symposium 2017. Brisbane.
Poster	Angela North, Karen Whitfield, Karin Lust, Helen Barrett. Therapeutic Heparin in the Obstetric Patient - SOMANZ 2017. Canberra.



QUEENSLAND CENTRE FOR GYNAECOLOGICAL CANCER

The Queensland Centre for Gynaecological Cancer (QCGC) is a state-wide service for the management of women with gynaecological cancer. QCGC Research is the research branch of QCGC. The Director of QCGC Research is Professor Andreas Obermair who leads and develops the unit to produce meaningful research outcomes.

QCGC Research's mission is to research and develop the best standard of care for women experiencing gynaecological cancer. This may include finding causes for and preventing gynaecological cancer; and finding better treatment options to cure women affected by gynaecological cancer.

QCGC Research's focus is on conducting surgical clinical trials in the field of gynaecological cancer but we also perform groundbreaking work outside the conventional clinical trials framework.

Our research is funded partly by competitive research grants (NHMRC project grants, smart state research grants, Cancer Australia), by support from individual and corporate donors as well as from fundraising events.

Our research activities help improve patient outcomes by researching the most effective treatment for women with gynaecological cancers.

In 2017 we received funding for the IMAGINE Study which aims to implement and evaluate a model of training for practising gynaecologists in Total Laparoscopic Hysterectomy. The IMAGINE study was initiated at two Queensland Health Hospitals in 2017. We have been continuing with Long Term Follow-Up of the Laparoscopic Approach to Carcinoma of the Endometrium (LACE) Trial in 2017. The LACE Trial evaluated the safety of laparoscopic hysterectomy and included 760 participants. We are now looking at long term quality of life, health and lifestyle following surgical treatment for endometrial cancer. We also continued recruiting for the ECHO Trial which examines the benefits of exercise during chemotherapy for ovarian cancer. This study is a collaboration between the Queensland University of Technology, NHMRC Clinical Trials Centre and QCGC Research. The feMMe trial, which allows a large number of women to have effective treatment of their endometrial cancer without the need for major surgery and its implications, continued recruitment in 2017.

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Nigel Armfield	Research	Gynaecological Oncology	The University of Queensland 2011-

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Prof Andreas Obermair	Monika Janda (QUT)	A stepped wedge cluster trial to implement and evaluate a model of training for practising gynaecologists in Total Laparoscopic Hysterectomy

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Prof Andreas Obermair	Monika Janda (QUT) Peta Forder (Uni of Newcastle) Jim Nicklin (Gyn Onc) Lewis Perrin (Mater) Tom Manolitsas (Monash) Yee Leung (KEMH) Russell Hogg (Westmead) Rhonda Farrell (Royal Hosp Women) Martin Oehler (Royal Adelaide Hosp) Peter Sykes (Christchurch) Merran Williams (Bloomhill Cancer Care) Val Gebiski (Uni of Sydney)	Long-term follow-up of the Laparoscopic Approach to Carcinoma of the Endometrium (LACE) Trial-survival outcomes.
Prof Andreas Obermair	Jim Nicklin (Gyn Onc) Russell Land (Gyn Onc) Andrea Garrett (Gyn Onc) Amy Tang (Gyn Onc) Lewis Perrin (Mater) Marcelo Nascimento (GCUH) Jonathan Carter (Chris O'Brien) Orla McNally (The Women's) Kym Reid (Monash) Yee Leung (KEMH) Stuart Salfinger (SJOG) Peter Sykes (Christchurch) Cecile Bergzoll (Wellington) Lois Eva (Auckland)	A Phase II Randomised Clinical Trial of Mirena® ± Metformin ± Weight Loss Intervention in Patients with Early Stage Cancer of the Endometrium.
Prof Andreas Obermair Paul Thomas	Jim Nicklin (Gyn Onc) Russell Land (Gyn Onc) Andrea Garrett (Gyn Onc) Amy Tang (Gyn Onc)	Impact of gated PET/CT on the diagnosis of distant metastases of advanced epithelial ovarian, fallopian tube, and primary peritoneal cancer.

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Sandi Hayes (QUT)	Prof Andreas Obermair (Gyn Onc) Jim Nicklin (Gyn Onc) Russell Land (Gyn Onc) Andrea Garrett (Gyn Onc) Amy Tang (Gyn Onc)	A Phase III randomised controlled trial of exercise during chemotherapy for patients commencing first line treatment for ovarian cancer
Pedro Ramirez (MD Anderson USA)	Prof Andreas Obermair (Gyn Onc) Jim Nicklin (Gyn Onc) Russell Land (Gyn Onc) Andrea Garrett (Gyn Onc)	A Phase III Randomized Clinical Trial Comparing Laparoscopic or Robotic Radical Hysterectomy versus Abdominal Radical Hysterectomy in Patients with Early Stage Cervical Cancer

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Queensland Centre for Gynaecological Cancer Research	Clinical Research Award	Metro North Hospital and Health Service 2017 Research Excellence Awards

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Obermair A , Jackson G, Kurz S , Armfield N, Janda M, Page K.	QCGC Research	Transforming surgical practice in hysterectomy	Metro North Hospital and Health Service SEED Innovation Fund	\$144,511	\$144,511 (2017)
Obermair A , Quinn M, Brennan D, Armes J, Janda M, Gebiski V, Carter J, Leung Y, Perrin L, Bunting M, Oehler M, Nicklin J , Strakosch C, Williams M	QCGC Research	A phase II randomised clinical trial of Mirena ± metformin ± weight loss intervention in patients with early stage cancer of the endometrium	Cancer Australia	\$170,000	\$540,000 (2015-2018)
Obermair A , Janda M, Forder P, Nicklin J , Perrin L, Manolitsas T, Leung Y, Hogg R, Farrell R, Oehler M, Sykes P, Williams M, Gebiski V.	QCGC Research	Long-term follow-up of the Laparoscopic Approach to Carcinoma of the Endometrium (LACE) Trial-survival outcomes.	Cancer Australia	\$254,891	\$380,674 (2016-2018)

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Janda M, Armfield NR, Page K, Kerr G, Kurz S , Jackson G, Currie J, Weaver E, Yazdani A, Obermair A . Factors influencing women's decision making in hysterectomy. Patient Educ Couns. 2017 Sep 12.
Journal article	Hayes SC, Janda M, Ward LC, Reul-Hirche H , Steele ML, Carter J, Quinn M, Cornish B, Obermair A . Lymphedema following gynecological cancer: Results from a prospective, longitudinal cohort study on prevalence, incidence and risk factors. Gynecol Oncol. 2017 Sep;146(3):623-629.

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Journal article	Janda M, Gebiski V, Davies LC, Forder P, Brand A, Hogg R, Jobling TW, Land R , Manolitsas T, Nascimento M, Neesham D, Nicklin JL , Oehler MK, Otton G, Perrin L, Salfinger S, Hammond I, Leung Y, Sykes P, Ngan H, Garrett A , Laney M, Ng TY, Tam K, Chan K, Wrede CD, Pather S, Simcock B, Farrell R, Robertson G, Walker G, Armfield NR, Graves N, McCartney AJ, Obermair A . Effect of Total Laparoscopic Hysterectomy vs Total Abdominal Hysterectomy on Disease-Free Survival Among Women With Stage I Endometrial Cancer: A Randomized Clinical Trial. JAMA. 2017 Mar 28;317(12):1224-1233.
Journal article	Obermair A , Simunovic M, Isenring L, Janda M. Nutrition interventions in patients with gynecological cancers requiring surgery. Gynecol Oncol. 2017 Apr;145(1):192-199.
Journal article	Nicklin JL , McGrath S, Tripcony L, Garrett A , Land R , Tang A , Perrin L, Chetty N, Jagasia N, Crandon AJ, Nascimento M, Walker G, Sanday K , Obermair A . The shift toward neo-adjuvant chemotherapy and interval debulking surgery for management of advanced ovarian and related cancers in a population-based setting: Impact on clinical outcomes. Aust N Z J Obstet Gynaecol. 2017 Dec;57(6):651-658.
Journal article	Playdon MC, Nagle CM, Ibiebele TI, Ferrucci LM, Protani MM, Carter J, Hyde SE, Neesham D, Nicklin JL , Mayne ST, Webb PM. Pre-diagnosis diet and survival after a diagnosis of ovarian cancer. Br J Cancer. 2017 Jun 6;116(12):1627-1637.
Journal article	Verhoef L, Baartz D , Morrison S , Sanday K , Garrett AJ . Outcomes of women diagnosed and treated for low-risk gestational trophoblastic neoplasia at the Queensland Trophoblast Centre (QTC). Aust N Z J Obstet Gynaecol. 2017 Aug;57(4):458-463.
Journal article	Phillips-Yelland J, Payton D, Land R , Kaur A. Incidental fallopian tube mesothelioma diagnosed at time of elective bilateral salpingectomy for sterilisation: A case report. Gynecol Oncol Rep. 2017 Aug 14;22:1-3.
Journal article	Cook PD, Land RP . Gastric decompression before laparoscopic entry via Palmer's point. Anaesth Intensive Care. 2017 Nov;45(6):759.
Journal article	Preyer O, Concin N, Obermair A , Concin H, Ulmer H, Oberaigner W. The relative risk of second primary cancers in Austria's western states: a retrospective cohort study. BMC Cancer. 2017 Oct 24;17(1):699.
Journal article	Smith D, Stewart CJR, Clarke EM, Lose F, Davies C, Armes J, Obermair A , Brennan D, Webb PM, Nagle CM, Spurdle AB. ER and PR expression and survival after endometrial cancer. Gynecol Oncol. 2017 Dec 4.
Journal article	Johnatty SE, Tan YY, Buchanan DD, Bowman M, Walters RJ, Obermair A , Quinn MA, Blomfield PB, Brand A, Leung Y, Oehler MK; ANECS Group, Kirk JA, O'Mara TA, Webb PM, Spurdle AB. Family history of cancer predicts endometrial cancer risk independently of Lynch Syndrome: Implications for genetic counselling. Gynecol Oncol. 2017 Nov;147(2):381-387.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Oral	Obermair A, Fleming S, Hayes S, Ward L, Kneul-Hirsch H, Janda M. The association of lymphedema trajectories with symptoms and symptom severity following gynaecological cancer treatment in Queensland: A prospective cohort study. 20th International Meeting of the European Society of Gynaecological Oncology 2017, Vienna, Austria.
Oral	Obermair A, Higgs P, Forder P, Asher R, Janda M, Gebiski V. The effect of hysterectomy on pelvic floor symptoms. 20th International Meeting of the European Society of Gynaecological Oncology 2017, Vienna, Austria.
Oral	Celentano V, Smart N, Hasegawa H, Cahill R, Obermair A, Cecil T, Lai P, Boni L, McGrath J, Gupta S, Spinelli A, Griffith J, Dunkin B, Acheson A, Coleman M. Development of a joint trainers and trainees' consensus statement for reporting of educational videos in laparoscopic surgery. 12th Scientific and Annual Meeting of the European Society of Coloproctology 2017. Berlin, Germany.

GRANTLEY STABLE NEONATAL UNIT

The Grantley Stable Neonatal Unit (GSNU) has had an exciting year in research. Our nursery continues to actively participate and contribute to large multicentre trials investigating areas of neuroprotection, early predictors of neurodevelopment, cutting edge ventilation strategies and exploring how novel and innovative treatments impact on preterm infant morbidity and mortality.

2017 was the inaugural year for the GSNU Research group which is comprised of medical, nursing and allied health staff from within the unit. Its mission is to develop research ideas into clinically meaningful studies and to facilitate translation of that research into practice in order to further improve outcomes. The Quality Assurance Group was also formed this year and it aims to work closely with GSNU Research to prioritise research agendas.

Predicting neurodevelopmental outcomes, exploring the impact of nutrition in premature infant neurodevelopment and standardization of neonatal physiological parameters are some of the areas being investigated by a number of research higher degree colleagues. Most of our trainee fellows gain invaluable research experience whilst working closely with our clinical researchers endeavouring to answer some of the challenging neonatal questions we encounter on a daily basis.

Our research goals include further expansion of GSNU, Milk Bank and NeoRESQ (retrieval service) research programs through ongoing collaboration with the Perinatal Research Centre, UQ and Centre for Children's Health Research.

SUPERVISED POST-GRADUATE RESEARCH STUDENTS

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Donna Franklin	PhD, University of Queensland	Nasal High flow therapy in infants with bronchiolitis.	John Fraser, Mark Davies
Luke Jardine	PhD, University of Queensland	Development of early predictors of long-term neurodevelopmental outcome in preterm infants	Mark Davies , Paul Colditz
Michelle Paliwoda	PhD, University of Queensland	Standardisation of neonatal physiological parameters and development of neonatal early warning tools	Karen new, Fiona Bogossian, Mark Davies
Kobi Best	PhD, University of Queensland	Sensory Exposure to Language in the Newborn Care Unit: A Multi-Method Trial of Sound and Language Exposure in Neoantes Cared for in Single-Room Environments on Developmental Outcomes up to 2 years	Karen New, Fiona Bogossian, Ian Hughes, Mark Davies
Deb Gilmour	FRACP, Royal Australasian College of Physicians	What sound/light/vibration/acceleration are babies experiencing on retrievals?	Mark Davies
Jasmine Antoine	FRACP, Royal Australasian College of Physicians	Bacterial colonisation of endotracheal tube (ETT) in infants less than 32 weeks gestation	Mark Davies , Garry Inglis
Randa Koghali	FRACP, Royal Australasian College of Physicians	RCT proposal: prophylactic antibiotics for umbilical lines	Mark Davies
Janet Sharpe	FRACP, Royal Australasian College of Physicians	Does earlier arrival of the retrieval team improve short-term outcomes in outborn extremely premature infants?	Mark Davies

NAME (RBWH STAFF IN BOLD)	CURRENT STUDIES (E.G. PHD, MASTERS ETC.) UNIVERSITY (DURATION)	RESEARCH PROJECT TITLE	SUPERVISORS (RBWH STAFF IN BOLD)
Janet Sharpe	FRACP, Royal Australasian College of Physicians	Does pasteurised donor human milk/probiotics affect mortality/sepsis/necrotising enterocolitis?	Mark Davies
DidierTshmla	FRACP, Royal Australasian College of Physicians	Does pasteurised donor human milk availability affect breastfeeding	Mark Davies
Melissa Weber	FRACP, Royal Australasian College of Physicians	An Audit of Noise levels in a Level Six Intensive care Neonatal Unit	Melissa Lai, Mark Davies
Nada AlTheyab	PhD	Body Composition in Very Preterm Infants During Their Hospital Stay	AProf Tim Donovan , Dr Barbara Lingwood, Dr Yvonne Eiby, Prof Paul Colditz
Alison D'Souza	MPhil	The impact of macronutrient intake and growth on neurodevelopmental outcome in preterm infants	AProf Tim Donovan , Dr Barbara Lingwood, Dr Yvonne Eiby, Prof Paul Colditz
Ms Nur Abu Kassim	PhD UQ (2015-2017)	To investigate vitamin D and vitamin D analogues levels in human plasma	Dr Karen Whitfield , Professor N Shaw. Dr A Hewavitharana
Ms Nor Hidayah Taufek	PhD UQ (2014-2017)	To investigate trace element concentration in human milk	Dr Karen Whitfield , Professor N Shaw. Dr A Hewavitharana

2017 RESEARCH POSITIONS: COORDINATORS, FELLOW, ADJUNCT AND HONORARY POSITIONS

NAME	TYPE OF FELLOWSHIP	RESEARCH PROJECT	UNIVERSITY (YEARS)
Dr Karen Whitfield	Adjunct Senior Researcher	School of Pharmacy	University of Queensland (2016 to date)

2017 CURRENT RBWH RESEARCH GROUP / DEPARTMENT LED RESEARCH ACTIVITY

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
Deb Gilmour	Mark Davies	What sound/light/vibration/acceleration are babies experiencing on retrievals?
Jasmine Antoine	Mark Davies	Bacterial colonisation of endotracheal tube (ETT) in infants less than 32 weeks gestation
Randa Koghali	Mark Davies	RCT proposal: prophylactic antibioticss for umbilical lines
Janet Sharpe	Mark Davies	Does earlier arrival of the retrieval team improve short-term outcomes in outborn extremely premature infants?
Janet Sharpe	Mark Davies	Does pasteurised donor human milk/probiotics affect mortality/sepsis/necrotising enterocolitis?

RBWH RESEARCH GROUP / DEPARTMENT LEAD RESEARCHERS	COLLABORATIVE RESEARCHERS	RESEARCH PROJECT TITLE
DidierTshmala	Mark Davies	Does pasteurised donor human milk availability affect breast feeding
DidierTshmala	Adam Hoellering, Mark Davies	Study of movement of umbilical venous catheters over time
Michelle Paliwoda	Mark Davies , Karen new, Fiona Bogossian	Standardisation of neonatal physiological parameters and development of neonatal early warning tools
Melissa Weber	Melissa Lai, Mark Davies	An Audit of Noise levels in a Level Six Intensive care Neonatal Unit
AProf Tim Donovan	Anndrea Flint , SCN, Redcliffe Hospital. Donna Hovey SCN, Grantley Stable Neonatal Unit, RBWH. Stephanie Webster SCN, Caboolture Hospital. Dr Helen Donovan , School of Nursing, QUT.	Special Care Nursery Feeding Study
Pieter Koorts	Dr Paul Dawson, Professor Nadia Badawi, Professor Roslyn Boyd, A/Professor Vicki Flenady, Dr Elizabeth Hurron, Professor Francis Bowling, Dr Pieter Koorts , Professor Sailesh Kumar	Neuroprotective role of sulphate among preterm babies (SuPreme study)
Pieter Koorts	William Tarnow-Mordi, Kei Lui, Roger Soll, Paolo Manzoni, Deborah Schofield	LIFT (Lactoferrin Infant feeding trial)
Pieter Koorts	Mark Davies, Katherine White, Garry Inglis, Adam Hoellering	Propofol compared to Morphine and Midazolam for sedation for intubation in infants.

2017 COLLABORATIVE RESEARCH ACTIVITY INVOLVING RBWH RESEARCH GROUP / DEPARTMENT

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Luke Jardine	Mark Davies, Paul Colditz	Development of early predictors of long-term neurodevelopmental outcome in preterm infants
Prof Peter Dargaville	AProf Tim Donovan, Dr Melissa Lai	Multicentre Randomised Controlled Trial of Minimally-Invasive Surfactant Therapy in Preterm Infants 25-28 Weeks Gestation on Continuous Positive Airway Pressure (2017-current)
Paul Dawson	Pieter Koorts, Paul Colditz	Neuroprotective role of sulphate among preterm babies (SuPreme Study) HREC/14/MHS/188
William Tarnow-Mordi	Pieter Koorts	Does lactoferrin improve survival free from morbidity in very low birth weight infants? Lactoferrin Infant Feeding Trial: a randomised controlled trial. HREC/13/WCHN/165
Helen Liley	Pieter Koorts, Paul Colditz	Preventing Adverse Outcomes of Neonatal Hypoxic Ischaemic Encephalopathy with Erythropoietin: A Phase III Randomised Placebo Controlled Multicentre Australian Trial HREC/14/RPAH/251

COLLABORATIVE LEAD RESEARCHERS	RBWH RESEARCHERS	RESEARCH PROJECT TITLE
Katie Groom, Chris McKinlay, Glen Gardner	Pieter Koorts	Childhood Outcomes of STRIDER NZAus: a randomised controlled trial of sildenafil therapy in dismal prognosis early-onset intrauterine growth restriction (New Zealand and Australia). HREC/17/QRBW/417
Katie Groom, Glen Gardner	Renuka Sekar, Pieter Koorts	Strider NZAus - Childhood Outcomes of Strider NZAus: A Randomised Controlled Trial of Sildenafil Therapy In Dismal Prognosis EarlyOnset HREC/17/QRBW/417
Rod Hunt	Paul Colditz, Tim Donovan, Pieter Koorts, David Cartwright	A randomized controlled trial comparing the treatment of electrographic and clinical seizures, to the treatment of clinical seizures alone, in term or near-term encephalopathic infants and measuring the impact on death and neurodevelopment at 2 years HREC/11/QRCH/135
William Tarnow-Mordi	Pieter Koorts	Should very preterm babies receive a placental transfusion at birth? A RCT Study A randomised controlled trial. HREC/11QRCH/12

2017 RESEARCH AWARDS AND ACHIEVEMENTS

RECIPIENT	AWARD	EVENT
Karen Whitfield	National Australian Clinical Pharmacy Award	43rd Society of Hospital Pharmacists Australia National Conference, Sydney 2017

2017 RESEARCH GRANTS - AWARDED

INVESTIGATORS (RBWH STAFF IN BOLD)	RBWH RESEARCH GROUPS / DEPARTMENTS	PROJECT TITLE	GRANTING BODY	AMOUNT IN 2017	TOTAL AMOUNT (YEARS)
Donovan T , Lingwood B, Colditz P , Dekker Nitert M.	Neonatology, UQ	RBWH Project Grant 2017: Long term consequences of altered neonatal adiposity.	RBWH Foundation	\$38,979	
Dr Karen Whitfield , Dr I Coombes , Ms K Davies , Dr Pieter Koorts	Pharmacy	Neonatal Medication Safety across the Continuum of Care	Sanofi Pamela Nieman Continuum Of Care Grant – SHPA	\$10,000	

2017 RESEARCH PUBLICATIONS

TYPE (JOURNAL ARTICLE / BOOK / BOOK CHAPTER / LETTER)	PUBLICATION INFORMATION (RBWH STAFF IN BOLD)
Commentary	Davies MW (on behalf of Cochrane Clinical Answers Editors). What are the effects of antibiotics in neonates with meconium aspiration syndrome? Cochrane Clinical Answers [online] 2017. DOI: 10.1002/cca.1770.
Commentary	Davies MW (on behalf of Cochrane Clinical Answers Editors). For preterm infants given a diagnosis of bronchopulmonary dysplasia or at high risk of developing this disease, what are the benefits and harms of initiating treatment with inhaled corticosteroids after the first week of life? Cochrane Clinical Answers [online] 2017. DOI: 10.1002/cca.1884.
Commentary	Davies MW (on behalf of Cochrane Clinical Answers Editors). How does nasal intermittent positive-pressure ventilation (NIPPV) compare with nasal continuous positive airway pressure (NCPAP) in neonates after extubation? Cochrane Clinical Answers [online] 2017. DOI: 10.1002/cca.1703.
Commentary	Davies MW (on behalf of Cochrane Clinical Answers Editors). What are the benefits and harms of inositol for preterm infants with or at risk for respiratory distress syndrome? Cochrane Clinical Answers [online] 2017. DOI: 10.1002/cca.1550.
Journal Article	Ratnasingham A, Eiby Y, Dekker M, Donovan T , Lingwood B "Is rapid fat accumulation in early life associated with adverse later health outcomes?" Placenta Vol 54:p125-130 at http://dx.doi.org/10.1016/j.placenta.2017.01.101 2017
Journal editorial	Whitfield K (2017) The Emerging Role of the Women's and Newborns Pharmacist. JPPR Editorial (in press)
Journal article	Tarnow-Mordi W, Morris J, Kirby A, Robledo K, Askie L, Brown R, Evans N, Finlayson S, Fogarty M, Gebiski V, Ghadge A, Hague W, Isaacs D, Jeffery M, Keech A, Kluckow M, Popat H, Sebastian L, Aagaard K, Belfort M, Pammi M, Abdel-Latif M, Reynolds G, Ariff S, Sheikh L, Chen Y, Colditz P , Liley H, Pritchard M et al; Delayed versus Immediate Cord Clamping in Preterm Infants. The New England Journal of Medicine. 2017 Dec 21;377(25):2445-2455.

2017 CONFERENCE PRESENTATIONS – INVITED SPEAKER, ORAL AND POSTER:

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Invited	Donovan T , Al Theyab N, Lingwood B, Eiby P, Colditz P "Are we making premature neonates fat?" Infant Feeding Seminar, Aspen Nutrition Brisbane
Invited	Donovan T , Al Theyab N, Lingwood B, Colditz P "Growth and body composition in extremely preterm infants is altered early" International Conference on Developmental Origins of Adiposity and Long-term health: The Power of Programming. Munich
Oral	Johnston T, Sekar R , Donovan T , Colditz P , Moffitt T, Endo T, Petersen L, Nester I, Ellerington J "Has the prevalence of neural tube defects decreased in babies born to indigenous mothers in Qld?" RANZCOG Annual Scientific Meeting, Perth
Oral	Lingwood BE, Al-Theyab N, Donovan T , Eiby Y, Colditz P "When and why do very preterm infants accumulate fat". 2nd European PEA POD User Meeting, Amsterdam. The Netherlands
Oral	Lingwood B, Al Theyab N, Donovan T , Colditz P "Early altered adiposity in preterm infants: When and why." 4th International Conference on Nutrition and Growth, Amsterdam
Oral	Dr Adrian Chin, Dr Renuka Sekar , A/Prof Tim Donovan , Dr Amy Krepska, Dr Sheridan Bell, Dr Mitchell Lawrence, Dr Shaun McGrath, Dr Alex Robinson, Mr Lachlan Webb, Professor Andre van Zundert "Increased abdominal subcutaneous fat thickness measured by ultrasound at 18-22 weeks gestation is associated with adverse maternal pregnancy outcomes. SOMANZ/ADIPS National Conference, Canberra

TYPE (ORAL / POSTER / INVITED)	PRESENTATION INFORMATION (RBWH STAFF IN BOLD)
Poster	Whitfield K. To develop and evaluate a structured training program for interns in the specialist field of women's and newborns pharmacy. Monash Pharmacy Education Symposium 2017, Prato, Italy, 9-12 July.
Oral	Whitfield K, Barrett H, Fassbind I, Hossein-zadeh Z, Hoy S, Lust K Maternity outpatient department clinic – a new role for the women's and newborns pharmacist SHPA National Conference, November 2017 Sydney.



APPENDIX A - PUBLICATIONS / PRESENTATIONS SUMMARY TABLE 2017

RESEARCH GROUP / DEPARTMENT	PUBLICATIONS		PRESENTATIONS NATIONAL AND INTERNATIONAL	
	Journal Articles	Books and Chapters	ORAL	POSTER
ALLIED HEALTH PROFESSIONALS				
Centre for Allied Health Research	6	0	13	7
Nutrition and Dietetics	22	0	22	11
Occupational Therapy	8	0	5	7
Physiotherapy	21	0	16	5
Rehabilitation Engineering	2	0	1	0
Social Work & Psychology	1	1	1	1
Speech Pathology and Audiology	6	0	13	7
CANCER CARE SERVICES				
Haematology and Bone Marrow Transplantation	39	0	5	8
Medical Oncology	47	0	32	20
Radiation Oncology	29	2	23	3
Cancer Nursing Professorial Precinct	21	0	25	13
CRITICAL CARE AND CLINICAL SUPPORT SERVICES				
Emergency and Trauma Centre	49	0	25	5
Intensive Care Services	103	14	59	0
Genetic Health Queensland	9	0	14	3
Hyperbaric Medicine Services	2	0	5	1
INTERNAL MEDICINE SERVICES				
Cardiology	51	1	35	13
Clinical Immunology and Allergy	0	0	0	0
Clinical Pharmacology	4	0	1	0
Endocrinology				
Gastroenterology – Liver Trials Group, Endoscopy, IBD	30	0	20	11
Infectious Diseases	79	20	12	5
Internal Medicine and Aged Care	10	0	15	4
Kidney Health Service	24	0	38	21
Neurology – Genetics of Epilepsy				
Neurology – Motor Neurone Disease	18	0	2	3
Neurology - Stroke	5	0	1	0
Nuclear Medicine / Specialised PET Service	8	1	12	5
Palliative and Supportive Care	1	0	6	0

	Journal Articles	Books and Chapters	ORAL	POSTER
Pharmacy	63	8	38	30
Rheumatology	8	1	2	1
Sexual Health Research	2	0	1	0
Statewide Antimicrobial Stewardship	3	0	4	1
MEDICAL IMAGING SERVICES				
Medical Imaging Services	16	2	19	16
MEDICAL SERVICES				
Centre for Palliative Care Research and Education	37	1	38	7
Safety and Quality Unit	0	0	0	0
MENTAL HEALTH SERVICES				
Systems Neuroscience Group QIMR Berghofer + Metro North Mental Health Service	25	2	14	0
Forensic Mental Health Services	8	0	6	0
Early Psychosis, Youth mental health and Adolescent Psychiatry	29	2	20	2
Mental Health Nursing	4	0	1	6
Older Person's Mental Health	6	1	0	0
Mental Health Services Other	24	0	0	0
NURSING & MIDWIFERY SERVICES				
Nursing & Midwifery Research Centre	27	2	18	5
SURGICAL & PERIOPERATIVE SERVICES				
Anaesthetics – Research Interest Group on Anaesthetics	37	9	7	6
Burns	3	0	5	0
ENT Otolaryngology Head and Neck Surgery	6	0	5	1
General Surgery - Acute	2	0	0	1
General Surgery HPB Bariatric Surgery	2	0	0	1
General Surgery Colorectal Research Unit	12	0	12	0
Maxillofacial & Oral Surgery Unit	9	0	7	0
Neurosurgery	11	0	0	0
Ophthalmology	18	4	35	
Orthopaedics	21	1	47	5
Trauma	1	0	4	0
WOMEN'S AND NEWBORN SERVICES				
Obstetrics and Gynaecology	14	2	9	16
Grantley Stable Neonatal Unit	3	0	5	1
Maternal Fetal Medicine	0	0	1	1
Obstetrics Medicine	14	1	8	6
Perinatal Research Centre	21	0	19	15
Qld Centre for Gynaecological Cancer	12	0	3	0

