

# Surgical and Perioperative Services



**Dr Barry O'Loughlin**  
Executive Director  
Surgical and Perioperative  
Services

## Overview

Surgical and Perioperative Services incorporates all surgical specialities at the Royal Brisbane and Women's Hospital and includes inpatient, ambulatory and perioperative services. In July 2004 this was expanded to include the Department of Anaesthetics and Perioperative Medicine.

The service line is a busy and challenging area with increasing acuity and complexity. Innovations in technology and new procedures contribute to the challenges in terms of patient delivery and teaching and training. Inpatient beds in eight geographically separate areas, a perioperative service, an anaesthetic service and outpatient services.

The perioperative service is responsible for approximately 18,000 surgical procedures per year, performed in 18 operating rooms.

A wide range of elective and emergency speciality surgery and other services are provided, including trauma, burns, organ retrieval, chronic pain management and an acute pain management service. The pre-admission service manages approximately 90 per cent of elective surgical patients for assessment, education and discharge planning by medical, anaesthetic and nursing staff about one week prior to admission.



**Sue Cadigan**  
Nursing Director  
Surgical and Perioperative  
Services

## Key departments

- » Department of Anaesthetics and Perioperative Medicine
- » Department of Ear Nose and Throat Surgery
- » Department of General Surgery
- » Department of Neurosurgery
- » Department of Ophthalmology
- » Department of Oral and Maxillofacial Surgery
- » Department of Orthopaedic Surgery
- » Department of Plastics and Reconstructive Surgery
- » Professor Stuart Pegg Adult Burns Centre
- » Trauma Service
- » Department of Urology
- » Department of Vascular Surgery

## Executive and directing staff

**Dr Barry O'Loughlin**  
Executive Director, Surgical and Perioperative Services; Director, General Surgery

**Sue Cadigan**  
Nursing Director, Surgical and Perioperative Services

**Assoc. Prof. Michael Steyn**  
Director, Anaesthetics and Perioperative Medicine

**Dr Andrew Lomas**  
Director, Ear Nose and Throat Surgery

**Dr Scott Campbell**  
Director, Neurosurgery

**Dr John Harrison**  
Chair, Ophthalmology

**Prof. Frank Monsour**  
Director, Oral and Maxillofacial Surgery

**Dr Sarah Watts**  
Acting Director, Orthopaedic Surgery

**Dr Stuart Bade**  
Director, Plastics and Reconstructive Surgery

**Dr Michael Rudd OAM**  
Director, Professor Stuart Pegg Adult Burns Centre

**Assoc. Prof. Daryl Wall AM**  
Director, Trauma Service

**Dr Nigel Duglison**  
Director, Urology

**Dr Jason Jenkins**  
Director, Vascular Surgery

# Department of Anaesthesia and Perioperative Medicine



**Assoc. Prof. Michael Steyn**  
Director  
Anaesthetics and  
Perioperative Medicine

## Overview

**About this service:** The vision of the Department of Anaesthesia of academic and clinical excellence continues to grow, with achievements focused on the development of a strong research culture. With a commitment to providing excellent anaesthetic care for patients with an evidence-based approach, Professor André van Zundert, Chairman of Anaesthetics, University of Queensland and chair of the Burns, Trauma, and Critical Care Research Centre (BTCCRC), leads our Research Interest Group in Anaesthesia (RIGA). His key area of research focus is airway management, in particular videolaryngoscopy and laryngeal mask airways, as well as the use of ultrasound-guided regional blocks. His philosophy has an emphasis on hands on teaching, with his development of the Centre of Excellence in Anaesthesia (CEIA), an innovative teaching, training, testing equipment, quality improvement and research centre within the department. Dr David Belavy chairs the twice monthly RIGA meetings and has developed a peer review pathway for fellow researchers to discuss protocols and ethics applications prior to submission. Dr Victoria Eley has commenced PhD studies and Dr Julie Lee is the Department's inaugural Provisional Fellow in Research, and soon to commence Master of Philosophy studies. Dr Michelle Roets is the equipment officer engaging in equipment studies. Our nationally recognized Airway Workshop Course is successfully run by Dr Linda Beckmann and Dr HauTan. Dr Martin Culwick continues to develop the ANZCA web-based incident monitoring program, WebAirs. Dr Kersi Taraporewalla continues his teaching interest with Simulation Training and Skills Development Centre Courses. Dr Kate Hames leads the teaching of junior staff. The Department has joined a large international, multi-centre

trial, the BALANCED Anaesthesia Study which is a study of depth of anaesthesia in elderly surgical patients, supported by the ANZCA Trials Group. Dr Michael Edwards is the site co-ordinator. There is collaboration with RBWH intensive care unit and the Griffith University Alliance for Vascular Access Research and Teaching Group (AVATAR).

**Highlights of 2014:** There have been several prestigious awards. Professor Van Zundert was been awarded the University of Queensland (UQ) Award for the Most Novel Innovation, at the UQ Teaching, Learning and Innovation Awards, for his concept which inspired his plans for the CEIA's development. Dr Adrian Chin established a regional anaesthesia block room, 'The Green Room' in the operating theatre, and was recognised for his achievement by winning the "Queensland Health Award for Excellence Fostering Innovation". He also received the Professor William Egerton Surgical Research Award for his presentation at the RBWH Symposium "Stumbling blocks – is innovation possible?" Dr Kersi Taraporewalla was the recipient of the UQ SOM/UQMS Award for Excellence in Clinical Teaching and the Clinical School Teaching Award. Our research nurse, Heather Reynolds was awarded her PhD.

**Benefits for clinical practice:** The department is committed to providing optimal care for patients based on world-class, research-based clinical practice. Our research activities aim to contribute to improved patient outcomes by using a collaborative approach to translate research knowledge into clinical practice, while focusing on a safe anaesthetic environment which aligns with practice guidelines.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Professor André van Zundert</b>	MD, PhD, FRCA, EDRA, FANZCA	Chairman of Anaesthetics, University of Queensland	airway management, regional anaesthesia, research and teaching
<b>Assoc Professor Michael Steyn</b>	MBChB, DRCOG, MRCGP, FFARCSI, FANZCA, MSc	Director of Anaesthetics and Perioperative Medicine	anaesthesia, perioperative medicine
<b>Assoc Professor Kersi Taraporewalla</b>	MBBS, FANZCA, MClInEd, Cert IV in TAA	Director of Teaching and Research	education, safety
<b>Dr Heather Reynolds</b>	BA, BHlthSc, MN, MAdvancedPrac, CertTeach, CertCCN, CertAN, PhD	Research Nurse	arterial catheters, intravenous care
<b>Dr Linda Beckmann</b>	MBBS, FANZCA	Staff Specialist	difficult airway management
<b>Dr David Belavy</b>	BMedSc, MBBS, FANZCA	Staff Specialist	regional anaesthesia
<b>Dr Adrian Chin</b>	MBBS, FANZCA	Staff Specialist	regional anaesthesia
<b>Dr Martin Culwick</b>	BSc, MBChB, FANZCA, MIT	Staff Specialist	incident monitoring
<b>Dr Michael Edwards</b>	BSc, MBBS, PGDip Echo (Melb), FANZCA	Staff Specialist	depth of anaesthesia in the elderly
<b>Dr Victoria Eley</b>	MBBS, FANZCA	Staff Specialist	difficult airway management, obstetric anaesthesia
<b>Dr Julie Lee</b>	BPharm, MBBS, FANZCA	Provisional Fellow	Obstetrics, difficult airways

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Michelle Roets</b>	MSc, MBChB, DA, FCARCSI, FANZCA	Staff Specialist	equipment
<b>Dr Susannah Sherlock</b>	BSc, MBBS, FANZCA	Staff Specialist	pre hospital airway management, education and the use of hyperbaric oxygen
<b>Dr Hau Tan</b>	MBBS, FANZCA	Staff Specialist	difficult airway management

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Dr Victoria Eley	PhD Candidate, UQ Medicine (Professor van Zundert) (2014-2016)	Clinical Guidelines relating to the anaesthetic management of obese parturients: An evaluation of their utility in clinical practice and the evidence <sup>3</sup> supporting the recommendations
Dr Heather Reynolds	PhD, Griffith University (Assoc Professor Kersi Taraporewalla) (Completed 2014)	Dressing and Securement of Peripheral Arterial Catheters: A Pilot Randomised Controlled Trial

## Awards and achievements

Award	Event	Recipient
Most Novel Innovation	University of Queensland Awards	van Zundert, A.
Excellence Fostering Innovation	Queensland Health Awards	Chin, A.
Professor William Egerton Surgical Research Award	RBWH Symposium	Chin, A.
Excellence in Clinical Teaching and Clinical School Teaching	University of Queensland School of Medicine Awards	Taraporewalla, K.

## Research grants

Investigators <small>*RBWH staff; this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Eley, V.*, van Zundert, A.*	Obstetric subcutaneous fat study	UQ, Project	\$20,000 (2014-2015)
van Zundert, A.*	Centre for Excellence In Anaesthesia Project (CEIA)	University of Victoria, Donation	\$100,000 (2014-2015)
van Zundert, A.*, Higgins, N.*, Tarraporewalla, K.*, Belavy, D.*, Boules, M.*	Near infra red vascular analysis (NIRVANA)	UQ/ Department of Anaesthesia research fund, Project	\$20,000/\$37,311 (2014-2016)



# Department of Ear Nose and Throat Surgery



**Dr Prof Anders Cervin**  
Director  
Ear Nose and Throat Surgery

## Overview

**About this service:** The vision of the Ear, Nose and Throat, Head and Neck unit is to continue to develop clinical and academic excellence. The unit delivers tertiary care in malignancies of the head and neck as well as diseases of the nose, sinuses and ears. The focus is on delivering timely high quality care in a resource effective way.

**Highlights of 2014:** In diseases of the upper airway, the focus is on inflammation and infection and the potential of probiotics as a medical intervention. In collaboration with the Deadly Ears outreach program we are exploring the natural bacterial flora in healthy children. The aim being to discover friendly bacteria that may provide protection against infection.

With Prof Scott Bell at the Cystic Fibrosis team, Prince Charles Hospital we are investigating the potential role of reducing colonisation with the tissue destructive pseudomonas bacteria by introducing “good” bacteria such as alpha streptococci and lactic acid bacteria. The outcomes of laboratory studies are encouraging, where lactic acid bacteria can prevent pseudomonas from growing.

In chronic sinusitis we are investigating in collaboration with Dr Hanna Sidjabat UQCCR and Dr Seweryn Bialasiewicz Centre for Children’s Health Research the role of viruses and bacteria in chronic airway inflammation. The aim is to develop a probiotic nasal spray with antibacterial and anti-inflammatory properties. This project has been awarded grant support by the RBWH Foundation.

**Benefits for clinical practice:** Probiotics (friendly bacteria) may provide an alternative or a complement to antibiotics therapy. Furthermore probiotics are also effective against multi-resistant strains and may represent a viable treatment option in colonisation of so called super bugs. Probiotics may also play an anti-inflammatory role interacting with the immune system to reduce asthma and eczema.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Prof Anders Cervin</b>	MD, PHD, FRACS	Senior Staff Specialist	Rhinology
<b>Dr Robert Hodge</b>	MBBS, FRACS	VMO	Head and Neck
<b>Dr Maurice Stevens</b>	MBBS, FRACS	VMO	Head and Neck
<b>Dr Julie Agnew</b>	MBBS (HONS), FRACS	VMO	Head and Neck
<b>Dr James Earnshaw</b>	MBBS, FRACS	VMO	Rhinology
<b>Dr Sarju Vasani</b>	MB BChir MA FRCS	Fellow	Head and Neck

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Cervin, A.	University of Queensland start-up	University of Queensland start-up funds	\$600 000 (2014-2016)
Cervin, A.	The role of the bacterial, fungal and viral sinus microbiome in chronic rhinosinusitis patients	RBWH Foundation	\$30 000 (2014-2015)

# Department of General Surgery



**Dr Barry O'Loughlin**  
Executive Director  
Surgical and Perioperative  
Services

## Overview

The Department of General Surgery is composed of five units:

- Breast/endocrine
- Laparoscopic/hepato-biliary-pancreatic
- Colorectal
- Upper GI
- Acute services

The units provide tertiary level services in most aspects of their specialty and general surgery for the whole of the Royal Brisbane and Women's Hospital and is a major referral area for Queensland.

## Research staff

Name	Qualifications	Position	Interests/specialities
Owen Ung	MBBS, FRACS	Director, Centre for Breast Health, Head Breast Endocrine Unit	Breast and endocrine surgery

# Kenneth G. Jamieson Department of Neurosurgery



**Dr Lindy Jeffree**  
Director  
Neurosurgery

## Overview

**About this service:** The neurosurgical service provides an elective tertiary and quaternary specialty service, as well as around-the-clock emergency care, for patients with cranial and spinal conditions that may require surgery. The unit surgeons have sub specialty expertise in aneurysms and other cerebrovascular conditions, primary and secondary brain tumours, pituitary and other base of skull tumours, epilepsy, Chiari malformations and traumatic brain injury. Research is carried out in the department as an essential component of striving for excellence. This involves both primary clinical and quality assurance studies and translational collaborations with laboratory researchers.

**Highlights of 2014:** 2014 saw preliminary results published on an “Audit of fluorescence guided surgery for high grade glioma” and a “Pilot study into teaching neurosurgical registrars to laparoscopically insert the distal end of a ventriculoperitoneal catheter”.

**Benefits for clinical practice:** Both of these projects aim to improve patient outcomes at the same time as reducing morbidity and costs of care. For example, the preliminary results from the “Audit of fluorescence guided surgery for high grade glioma” indicate that introduction of this technology has been associated with an improvement in survival from primary brain tumours.



## Research staff

Name	Qualifications	Position
<b>Dr Lindy Jeffree</b>		Director
<b>Julie Shearer</b>		Neurosurgery Care coordinator
<b>Dr Gert Tolleson</b>		Staff Specialist
<b>Dr Wendy Findlay</b>		Staff Specialist
<b>Dr Craig Winter</b>		Staff Specialist
<b>Dr Jason Papacostas</b>		Staff Specialist
<b>Dr Janusz Bonkowski</b>		Staff Specialist
<b>Dr Scott Campbell</b>		Staff Specialist
<b>Dr Michael Redmond</b>		Staff Specialist
<b>Dr Hamish Alexander</b>		Registrar
<b>Dr Jun Kim</b>		Registrar
<b>Dr Ashish Jonathan</b>		Registrar
<b>Dr Patrick Pearce</b>		Registrar
<b>Dr Michael Colditz</b>		Registrar
<b>Dr Elena Downs</b>		Registrar

## Awards and achievements

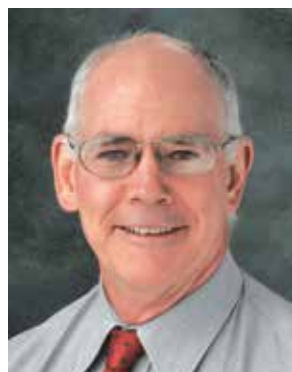
Award	Event	Recipient
Winner of Professor William Egerton Award for Surgical Research	23rd Annual RBWH Healthcare Symposium 2014	Colditz, MJ, Jeffree RL

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
<small>*RBWH staff; bold, this department</small> Severi, G., McDonald, K., Vajdic, C., Nowak, A., Rosenthal, M., Drummond, K., Walker, D., <b>Jeffree, L.*</b> , Joseph, D., Giles, G., Leonard, R., Marsh, J., Benke, G.	Australian Genomics and clinical Outcomes of Glioma (AGOG)	Cancer Australia	\$600,00 (2012-2016)
Martin, J., Rose, S., Fay, M., Thomas, P.*, Head, R., Cosgrove, L., Dowson, N., Day, B., Boyd, A., <b>Jeffree, L.*</b> , Stringer, B., Inglis, P.L.*, Lockett, T., Lim, YC.	Targeting existing therapies with innovative technology platforms to improve survival in brain cancer	Cancer Council Queensland	\$200,000 (2014-2016)



# Department of Ophthalmology



**Dr John Harrison**  
Director  
Ophthalmology

## Overview

The Department of Ophthalmology is a very busy outpatients department consisting of ten Visiting Medical Officers (VMOs), one part-time Staff Specialist, three Registrars, one Senior Registrar and two Resident Medical Officers (RMOs) in the Eye Casualty Department.

The Outpatient Department specialises in cataract surgery, retinal eye diseases, cornea, glaucoma, uveitis, neuro ophthalmology, orbital and oculo plastics, general ophthalmology and eye casualty.

The department is involved in teaching undergraduate students, RMOs and Registrars.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr John Harrison</b>	MBBS (UQ), FRANZCO, FRACS	Director Ophthalmology	neuro-ophthalmology
<b>Assoc. Prof. Lawrence Lee</b>	MBBS, FRACS, FRANZCO	Staff Specialist	medical and surgical retinal disease
<b>Prof. Tim Sullivan</b>	FRANZCO, FRACS, FRCOphth	Professor of Eyelid, Lacrimal and Orbital Disease	lid study/thyroid eye disease

# Department of Oral Maxillofacial Surgery



**Associate Professor  
Martin Batstone**  
Acting Director  
Oral and Maxillofacial  
Surgery

## Overview

**About this service:** The Royal Brisbane and Women's Hospital Maxillofacial Unit provides a Tertiary and Quaternary service for Queensland and beyond covering the full scope of Oral and Maxillofacial Surgery.

**Highlights of 2014:** Research has focussed on two main areas. The management and reconstruction of head and neck malignancies, and the treatment of facial injuries. The research staff of the unit have continued a high rate of publications, multiple local, national and international lectures and successful grant applications. Successful research higher degree candidates have led to a high demand for future students. The integration of technology in clinical practice will be a focus for coming years.

**Benefits for clinical practice:** Our research is aimed to deliver services in a cost efficient and timely fashion to patients whilst improving clinical outcomes and minimising the morbidity of treatments. Clinical research has been the focus of the unit but important collaborations with laboratory researchers continue.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>A/Prof Martin Batstone</b>	MBBS, BSc(Hons) MPhil (Surg), FRACDS (OMS), FRCS (OMFS)	A/Director	Head and neck oncology surgery and reconstruction
<b>Dr Caroline Acton</b>	BDS, FDSRCS (Eng), MDSc (Oral Surg), FRACDS (OMS)	Staff Specialist	Maxillofacial oncology
<b>Dr Geoff Findlay</b>	BDS, MBBS, FRACDS (OMS)	Staff Specialist	Maxillofacial trauma and implants
<b>Dr Richard Harris</b>	BDS, MBBS, FRACDS (OMS), PhD	Staff Specialist	Trauma and bone substitutes
<b>Dr Edward Hsu, BSc (Hons)</b>	MBBS, FRACDS (OMS)	Staff Specialist	Full scope of oral and maxillofacial surgery
<b>Professor Frank Monsour</b>	AM, RFD, FRACDS, PhD, MDSc, BSc (Hons)	Staff Specialist	Maxillofacial trauma and reconstructive surgery
<b>A/Prof Neil Savage</b>	MDSc, PhD, FFOP(RCPA), FICD	Oral Pathologist/Consultant	Oral medicine and pathology
<b>Dr Rachel (Jen-Ti) Hsieh</b>	MBBS, BSc	Registrar	
<b>Dr Ben Rahmel</b>	MBBS, BSc	Registrar	
<b>Dr John Webster</b>	MBBS, BSc (Hons)	Registrar	Oral cancer screening
<b>Dr Maarten Van Genechten</b>	MD, DDS	Fellow	Head and neck oncology surgery and reconstruction

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Pateman, K.	PhD, UQ 2011 – 2016)	Support needs and quality of life implications following head and neck cancer.
Hurrell, M.	PhD, UQ (2013 – 2017)	The effects of treatment timing on the outcomes of facial fractures.
Beech, N.	MPhil, UQ (2016 – 2016)	The effects of dental extractions on quality of life and the incidence of osteoradionecrosis.

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## Research grants

<b>Investigators</b> <small>*RBWH staff; bold, this department</small>	<b>Project title</b>	<b>Granting body and scheme</b>	<b>Amount awarded (years)</b>
<b>Batstone, MD*</b> , Beech, N	Pre-radiotherapy dental extractions, Osteoradionecrosis and Quality of Life	ANZAOMS	\$5,000
<b>Batstone, MD*</b> , Van Genechten M*	Ultrasound analysis of free flap vascular pedicles	ANZAOMS	\$10,000 (2014)
<b>Batstone, MD*</b> , Hurrell, M	The effects of treatment timing on the outcomes of facial fractures	University of Queensland Research Scholarship	\$25,849 (2014)

# Department of Orthopaedic Surgery



**Dr Sarah Watts**  
Director  
Orthopaedic Surgery

## Overview

The Department of Orthopaedic Surgery deals with all facets of orthopaedics. It comprises an orthopaedic outpatients clinic and two dedicated orthopaedic wards, as well as beds in the infectious diseases ward.

Unique facilities and services include:

- Tertiary referral service to Queensland and New South Wales
- The Centre for Trauma Management
- Reconstructive surgery and revision prosthetic surgery
- An orthopaedic service for haemophiliacs
- Subspeciality services, including hand surgery, upper limb surgery, knee surgery, spinal surgery, scoliosis surgery, foot surgery and a musculoskeletal service
- Professorial and associate positions with The University of Queensland (UQ)
- A complex total joint clinic
- A limb reconstruction clinic
- International trainee fellowship program management sponsored by Smith and Nephew.

Key areas of interest for research in orthopaedics include fracture healing, joint replacement, venous thromboembolic events, tissue oxygenation, skin grafting, joint replacement, scoliosis, trauma, spinal trauma, fracture assessment and classification.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Sarah Watts</b>	MBBS, FRAC	Director, Orthopaedic Surgery	orthopaedics, limb reconstruction
<b>Prof. Kevin Tetsworth</b>	MD, FRACS	Professor, Orthopaedic Surgery	orthopaedics, limb reconstruction
<b>Dr Steven Yanng</b>	MBChB, FRACS	VMO Orthopaedic Surgery	orthopaedics, spine
<b>Dr Trevor Gervais</b>	MBBS	Staff Surgeon	orthopaedics, upper limb
<b>Dr Geoffrey Donald</b>	MBBS, FRACS (Orth)	Director, Orthopaedic Surgery, Royal Children's Hospital	orthopaedics, limb reconstruction, paediatrics
<b>Dr Brett Halliday</b>	MBBS, FRACS (Orth)	VMO	orthopaedics, limb reconstruction
<b>Dr Paul Pincus</b>	MBBS, FRACS (Orth)	VMO	orthopaedics, limb reconstruction
<b>Dr Michael Holt</b>	MBBS, FRACS (Orth)	Staff Surgeon	orthopaedics
<b>Dr Peter McCombe</b>	MBBS, FRACS (Orth)	VMO	orthopaedics, spine
<b>Prof. Ian McPhee</b>	MBBS, FRACS (Orth)	VMO	orthopaedics, spine, scoliosis
<b>Dr John Tuffley</b>	MBBS, FRACS (Orth)	VMO	orthopaedics, spine, scoliosis, paediatrics
<b>Dr Robert Labrom</b>	MBBS, FRACS (Orth)	VMO	orthopaedics, spine, scoliosis, paediatrics
<b>Dr Christopher Bell</b>	MBBS	Senior House Officer	orthopaedics
<b>Dr Tony O'Neill</b>	MBBS	Senior House Officer	orthopaedics
<b>Dr Daniel Bopf</b>	MBBS	Senior House Officer	orthopaedics
<b>Dr Catherine McDougall</b>	MBBS	Senior House Officer	orthopaedics

# Department of Plastic and Reconstructive Surgery



**Dr Stuart Bade**  
Director  
Plastics and  
Reconstructive Surgery

## Overview

The Department of Plastic and Reconstructive Surgery at Royal Brisbane and Women's Hospital provides services across the breadth of the speciality, including:

- Skin cancer management
- Head and neck cancer management, including both extirpative and reconstructive surgery for advanced cutaneous and metastatic malignancy, salivary gland tumours and oropharyngeal malignancy
- Hand surgery
- Lower limb reconstruction
- Breast reconstruction
- Orthognathic surgery and secondary cleft lip and palate surgery
- Craniomaxillofacial trauma
- Burn surgery
- Microsurgery.

Particular areas of research include the management of skin cancer and head and neck malignancy, where the department plays an integral role in the multidisciplinary Head and Neck Clinic.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Stuart Bade</b>	MBBS, FRACS	Director, Plastics and Reconstructive Surgery	head and neck surgery, microsurgery
<b>Dr David Campbell</b>	MBBS, FRACS	Visiting Medical Officer	breast reconstruction, laser
<b>Dr Eddie Cheng</b>	MBBS, FRACS	Visiting Medical Officer	head and neck surgery, breast reconstruction
<b>Dr William Cockburn</b>	MBBS, FRACS	Visiting Medical Officer	head and neck surgery
<b>Dr Raymond Goh</b>	MBBS, FRACS	Visiting Medical Officer	orthognathic surgery
<b>Dr Vedella Hinckley</b>	MBBS, FRACS	Visiting Medical Officer	head and neck surgery
<b>Dr Atul Ingle</b>	MBBS, FRACS	Staff Specialist	burns
<b>Dr Shireen Senewiratne</b>	MBBS, FRACS	Visiting Medical Officer	hand surgery, lower limb reconstruction, microsurgery
<b>Dr Robert Waiwright</b>	MBBS, FRACS	Visiting Medical Officer	skin cancer
<b>Dr Matthew Potter</b>	MBBS	Fellow	

# Professor Stuart Pegg Adult Burns Centre



## Overview

Research within the Professor Stuart Pegg Adult Burns Centre occurs and is reported as part of The University of Queensland Burns, Trauma and Critical Care Research Centre Research Report for 2014.

### Dr Michael Rudd OAM

Director  
Professor Stuart Pegg  
Adult Burns Centre

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Michael Rudd</b>	MBBS, FRACS, PhD, BMed Sci	Director, Professor Stuart Pegg Adult Burns Centre; Staff Specialist	sepsis, burn pathophysiology and immunobiology
<b>Assoc. Prof. Michael Muller</b>	MBBS, FRACS, MMed Sci	Staff Specialist	physiologic response to burns/injury and its modulation
<b>Dr Jason Miller</b>	MBBS, FRACS	Staff Specialist	melanoma, sarcoma
<b>Dr Keith Towsey</b>	MBBS, FRACS	Staff Specialist	wound healing
<b>Dr Jason Brown</b>	MBBS, FRACS, BDS (Hons)	Staff Specialist	trauma, burns
<b>Michelle Spermon</b>	B0ty	MSc Student	scar maturation modulation
<b>Anita Plaza</b>	BPhy	Senior Physiotherapist	exercise and metabolism following burn injuries
<b>Brooke Hoskin</b>	BPhy	Physiotherapist	investigation of modalities for improving compliance with physiotherapy
<b>Sharon Forbes</b>	BSc, GradDip Nut Diet	Dietician	energy and nutritional requirements during recovery from burns
<b>Teresa Matthews</b>	AO	Database Manager	reducing hospital stay and rural support
<b>Allison Hill</b>	RN	Registered Nurse	outpatient burns care burn management
<b>Lauren Moody</b>	RN	Audit Manager	audit
<b>Troy Davey</b>	RN	Audit Manager	audit

# Trauma Service



**Assoc. Prof. Daryl Wall AM**  
Director  
Trauma Service

## Overview

**About this service:** The staff of the Trauma Service (TS) provide continuous comprehensive care and communications for severely injured patients from around Queensland and northern New South Wales. These activities include the constant entry of verified patient data for the RBWH Trauma Registry. The Trauma Registry information provides daily service to the members of the Trauma Review Committee and the Trauma Advisory Committee both of which serve to support Quality and Safety of care. The information also serves to support researchers both within and without the TS. The Trauma Registry also serves to provide guidance professional development, safety of patient transfers, safety of women in pregnancy, development of training workshops, presentation of trauma advancement symposia and for improvement of trauma care in regional centres. TR information also guides the TS provision of prevention activities such as P.A.R.T.Y. (Prevent Alcohol and Risk-related Trauma in Youth) and consumer engagement duties such as preparing the patient trauma care passport and follow up planning.

**Highlights of 2014:** Trauma Services have provided 24 datasets for research and audit projects. Trauma Services contributed to two new clinical protocol algorithms; Haemodynamically Unstable Patients with Pelvic Injuries in consultation with other RBWH departments, and the State-wide Maternity and Neonatal Clinical Network in the development of the Trauma in Pregnancy Guidelines for Queensland. Clinicians from Trauma Service have presented at six courses for “Care of the Critically Ill Surgical Patient”, at five Grand Rounds and ten external conferences.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Associate Professor Daryl Wall</b>	AM ASM MBBS (Hons. First Class) FRACS	Director	trauma, HPB, simulation, research
<b>Dr Richard Bryant</b>	MBBS, FRACS	Consultant	trauma, HPB, database, computer logic
<b>Dr Frances Williamson</b>	FACEM	Consultant	emergency medicine, trauma
<b>Dr Daniel Bodnar</b>	FACEM	Consultant	
<b>Dr Sally Marshall</b>	MBBS	Registrar	emergency medicine, trauma
<b>Mrs Dale Dally-Watkins</b>	BN, GCEmNURS, GCHumServMan	Assistant Nursing Director	trauma, acute care, health management
<b>Mr Michael Handy</b>	BN, GCEmNURS. Masters of Nursing Science (Nurse Practitioner)	Nurse Practitioner	trauma
<b>Mrs Jodie Ross</b>	BN	Clinical Nurse Consultant	trauma
<b>Mrs Kristy Jackman</b>	BN, GCEmNURS	Clinical Nurse Consultant	trauma
<b>Mrs Alice Brandt</b>	BN, GCEmNURS	Clinical Nurse Consultant	trauma
<b>Ms Sarah Pearce</b>	BN, GCAdvNurs(AC)	Clinical Nurse Consultant	trauma
<b>Mrs Sangita Costello</b>	BN, Grad Cert Nursing Education, Grad Cert Public Health	Orthopaedic Trauma Case Coordinator	Trauma

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
Wickramasuriya, L.	MSc Trauma Science, Queen Mary University, University of London (2013-2015)	The tyranny of distance: exploring contributory factors for delays in transfer and intervention in multi-trauma patients

# Department of Urology



**Dr Nigel Duglison**  
Director  
Urology

## Overview

Research in the Department of Urology focusses largely on prostate cancer. It has been recently dominated by novel approaches to early detection and the randomised study of open and robotic prostatectomy. This important trial continued to progress satisfactorily through most of the year, albeit with a number of procedural delays due to multiple reasons.

The early detection research embraced a slight change in direction to include other approaches to improve further the good results obtained with mRNA profiling of ejaculate. Particular attention was directed to metabolic profiling with examination of multiple parameters concurrently through NMR spectroscopy of ejaculate and post-ejaculate urine via an active collaboration with Dr Horst Schirra at The University of Queensland's Centre for Advanced Imaging at St Lucia. The generous support of the RBWH Foundation is acknowledged for this work.

The close ongoing association of departmental members with demographic and psycho-oncological research with colleagues at Cancer Council Queensland and Griffith University continues to be evident in the research projects and publications included in this report.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Nigel Duglison</b>	MB BS, FRACS	Director, Urology: Visiting Medical Officer	clinical trials
<b>Dr Renee Stirling</b>	BSc, PhD	Postdoctoral Research Officer	molecular biology
<b>Dr Nigel Bennett</b>	BSc, PhD	Postdoctoral Research Officer	data recording
<b>Clement Chow</b>	BSc	Research Assistant	molecular biology
<b>Robyn Medcraft</b>	RN	Research Coordinator	clinical Trials
<b>Maddie Fowler</b>		Research Assistant	clinical Trials
<b>Prof. Frank Gardiner</b>	MBBS, MD, FRCS, FRACS	University Medical Officer	tumour markers, clinical trials
<b>Prof. Martin Lavin</b>	BSc (Hons), PhD, FRAMI	University Academic Researcher	molecular biology
<b>Dr Troy Gianduzzo</b>	MBBS, MPhil, FRACS	Visiting Medical Officer	clinical trials
<b>Dr Geoff Coughlin</b>	MBBS, FRACS	Visiting Medical Officer	clinical trials
<b>Dr John Yaxley</b>	MBBS, FRACS	Visiting Medical Officer	clinical trials

## Supervised post-graduate research students

Name	Current studies	Research topic
Roberts, M.	MPhil	Early detection of prostate cancer
Gianduzzo, T.	MPhil	Laser robotic-assisted laparoscopic prostatectomy

## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Gianduzzo, T., Gardiner, R.A., Samaratunga, M.L.T.H., Chabert C. Frydenberg, M., Gardiner, R.A	The feasibility of a 532 nm laser surgery for unclamped partial nephrectomy and prostate cancer	American Medical Systems Research	\$355,000 (2011-2016)



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## Research grants

Investigators	Project title	Granting body and scheme	Amount awarded (years)
Gardiner, R.A., Chambers, S.K., Dunglison, N., Yaxley, J., Occhipinto, S., Carter, R., Williams, S., Lavin, M.F.	A randomised trial of robotic and open prostatectomy: Integrated multidisciplinary studies to guide patient management	Cancer Council Queensland Strategic Research Partnership Grant	\$1.25 million (2009-2014)
Gianduzzo, T., Gardiner, R.A., Samaratunga, M.L.T.H., Chabert C	The feasibility of a 532 nm laser surgery for unclamped partial nephrectomy and radical prostatectomy	American Medical Systems Research	\$355,000 (2011-2016)

# Department of Vascular Surgery



**The Late Prof. Philip Walker**  
Director  
Vascular Surgery

## Overview

**About this service:** Professor Philip Walker and Dr Jason Jenkins are chief investigators in the NHMRC National Centre of Research Excellence to Improve Management of Peripheral Arterial Disease (<http://ncre-pad.registry.org.au/about-ncre-pad>) and through this centre have significant research collaborations with Professor Jon Golledge's group at The James Cook University Vascular Biology Unit, Dr Chris Askew at the University of the Sunshine Coast, Professor Rob Fritridge at the University of Adelaide, Professor Bronwyn Kingwell at the Baker IDI Heart and Diabetes Research Institute in Melbourne and Professor Malcolm West's group at TPCH. Principal areas of research interest are aortic disease and peripheral arterial disease (PAD).

**Highlights of 2014:** During 2014, under the supervision of Professor Philip Walker, in cooperation with The University of Queensland (UQ), RBWH and with the assistance of postgraduate research students, the Department of Vascular Surgery participated in a variety of research projects in the area of vascular disease. Research ranged from basic science investigation into the aetiology of aortic aneurysmal disease, through to studies of devices for the endoluminal management of aortic pathology and clinical trials assessing medical therapies for the management of abdominal aortic aneurysm (AAA).

**Benefits for clinical practice:** Research carried out by the Vascular Department has the potential to significantly improve the management of patients with PAD. At present there is no known medical therapy for the treatment of AAAs. The clinical trials underway within the department aim to identify an agent which may be used to slow down the growth of AAAs, with the long-term goal of reducing the numbers of patients required to undergo AAA repair. Research into novel endoluminal devices aims to identify a more clinically effective solution for endovascular repair of AAAs.

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>The late Prof. Philip Walker</b>	MBBS, FRACS (Vasc)	Professor of Clinical Surgery and Head, Discipline of Surgery, UQ SOM and UQ CCR; Consultant Vascular Surgeon	Vascular surgery, aetiology and management of aortic aneurysmal disease, exercise physiology in peripheral arterial disease, vascular imaging, medical therapy for the vascular patient
<b>Dr Brad Stefanovic</b>	PhD, BSc Hon, BSc (Sport and Ex)	Research Officer, UQ SOM, Discipline of Surgery	Coordinator for NHMRC CRE for PAD projects: Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)
<b>Dr Sophie Rowbotham</b>	PhD, BSc Hon, BSc (Pharmacology)	Research Assistant, UQ SOM, Discipline of Surgery	Associate Investigator for NHMRC CRE for PAD projects: Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)
<b>Sr. Gillian Jagger</b>	RN	Research Officer, UQ SOM, Discipline of Surgery	Queensland Coordinator for NHMRC trial Evaluating a decision-making model for EVAR
<b>Sr. Julie Jenkins</b>	RN	Clinical Nurse Consultant, Vascular Surgery	Coordinator of vascular surgery index case databases coordinator for ENGAGE: The Endurant Stent Graft Natural Selection Post-market Registry
<b>Dr Jason Jenkins</b>	MBBS, FRACS (Vasc)	Director of Vascular Surgery	Investigator in: ENGAGE: The Endurant Stent Graft Natural, Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)
<b>Dr Allan Kruger</b>	MBBS, FRACS (Vasc)	Consultant Vascular Surgeon	Investigator in: ENGAGE: The Endurant Stent Graft Natural, Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)

## Research staff

Name	Qualifications	Position	Interests/specialities
<b>Dr Nicholas Boyne</b>	MBBS, FRACS (Vasc)	Consultant Vascular Surgeon	Investigator in: ENGAGE: The Endurant Stent Graft Natural, Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)
<b>Dr Danella Favot</b>	MBBS, FRACS (Vasc)	Consultant Vascular Surgeon	Investigator in: Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)
<b>Dr Simon Quinn</b>	MBBS, FRACS (Vasc)	Consultant Vascular Surgeon	Investigator in: Telmisartan in the management of abdominal aortic aneurysm (TEDY), Fenofibrate in the management of abdominal aortic aneurysm (FAMEI and FAMEII), the role of differences in circulating factors in the pathogenesis of vascular disease, Brief behavioural counselling intervention for peripheral arterial disease (BIP)

## Supervised post-graduate research students

Name	Current studies University; (duration)	Research topic
McRae, Prue.	MPhil. UQ (2011 – 2014)	Identifying interdisciplinary care needs in older surgical patients
Andrew Choong	PhD. UQ (2014-2020)	An investigation into the Endovascular Repair of Blunt Traumatic Thoracic Aortic Injuries
Vikram Iyer	MPhil. UQ (2014-2018)	Coding and non coding circulating RNAs associated with the presence and rapid expansion of abdominal aortic aneurysms

## Research grants

Investigators <small>*RBWH staff; this department</small>	Project title	Granting body and scheme	Amount awarded (years)
Burton, Nicola W; Golledge, J.; Walker, Philip, J.; Jenkins, J*; Norman, P.; Fiatarone Singh, M.; Leicht, A. & Ademi, Z.	Assessment of the efficacy of a brief behaviour intervention designed to improve physical activity in patients with peripheral artery disease	NHMRC Project James Cook University,	\$144,382.99 (2014-2018)
Walker, Philip J.; Jenkins, J.; Golledge, J.; Ahimastos, A. & Muller, R.	Fenofibrate in the Management of Abdominal Aortic Aneurysm (FAME)	NHMRC Project, James Cook University	\$84,129.10 (2014-2015)
Walker, Philip J.; Jenkins, J*; Golledge, J.; Norman, P.; Ahimastos, A.; Dalman, R. & Fitridge, R.	Telmisartan in the Management of Abdominal Aortic Aneurysm	NHMRC Project ,James Cook University,	\$67,302.40 (2014-2015)
Walker, Philip J.; Jenkins, J.; Golledge, J.; Kingwell, B.; Norman, P.; Tonkin, A.; Fitridge, R.; Reid, C.; Hankey, G.; Fletcher, J. & Nelson, M.	C to Improve Management of Peripheral Arterial Disease	NHMRC CRE James Cook University, Project Grant	\$289,034.90 (2013-2015)