



Judith Catherwood
Executive Director
Allied Health Professions

Overview

The Allied Health Professions service line was established in 2011. The service line comprises nine disciplines providing assessment, diagnostic, therapy, rehabilitation and support services across all areas of the hospital campus, including inpatient and ambulatory services, emergency and elective care. The contribution of research by each discipline is varied and reflects the diversity of the service provision and the capacity for research within each staff group.

Research is the foundation of professional practice and drives a culture of enquiry, the dissemination of knowledge and transformation of patient care within allied health services. It is core business of RBWH and core business for the allied health professions and is what separates practitioners who "deliver patient care" from practitioners who "inform, drive, change and improve patient care."

In 2010, Queensland Health funded a number of Allied Health Research Fellows. The position within RBWH had been vacated and during 2012 a partnership between allied health at RBWH and Queensland University of Technology (QUT) has emerged using these resources. Professor Michele Clark will commence the role of Professor of Allied Health Professions Research on 8 April, a position based at RBWH but jointly developed between ourselves and QUT. The position will build research capacity in the field of health services research within the health practitioner group across RBWH. It will work in partnership with other researchers and research active staff across Metro North in shaping the future practice within allied health practice through innovation, using health services research methods. The post will work with all health practitioner groups including pharmacy, imaging staff and scientists.

This year, Allied Health Professions has grown their research outputs. There were in excess of 30 research publications driven by researchers within RBWH allied health: a 37 per cent increase on the previous year. The health practitioners submitted more than 20 applications for the Health Practitioner Research Grant Scheme in 2012, a record number of applications and over 50 per cent of the applications submitted from Metro North as a whole. Health Practitioners submitted 20 applications to the RBWH Research Grant scheme and more than 50 per cent were successful in receiving grant funding. This is the highest submission and success rate to date.

As Executive Director, Allied Health Professions, I look forward to working with our university partners to develop research partnerships, joint clinical and academic positions and increase the number of research active clinicians working in RBWH. Without an evidence base to support the patient and service outcomes of practice, allied health services will not flourish into the force they are required to be, to ensure the health system can face the challenges of tomorrow.

Key departments

- » Department of Audiology
- » Department of Nutrition and Dietetics
- » Department of Occupational Therapy
- » Department of Orthotics and Prosthetics
- » Department of Physiotherapy
- » Department of Psychology
- » Rehabilitation Engineering Centre
- » Department of Social Work Services
- » Department of Speech Pathology

Executive and directing staff

- Judith Catherwood**
Executive Director
- Deborah McKenzie**
Director, Audiology
- Dr Merrilyn Banks**
Director, Nutrition and Dietetics
- Susan Laracy**
Director, Occupational Therapy
- Dr Mark Holian**
Director, Orthotics and Prosthetics
- Peter Buttrum**
Director, Physiotherapy
- Anne Clair**
Director, Psychology
- Peter Slattery**
Director, Rehabilitation Engineering
- Jan Hinson**
Director, Social Work Services
- Lynell Bassett**
Director, Speech Pathology
- Michele Clark**
Professor, Allied Health

Department of Nutrition and Dietetics



Dr Merrilyn Banks
Director, Nutrition
and Dietetics

Overview

The Department of Nutrition and Dietetics provides a comprehensive clinical service to inpatients and outpatients of the RBWH. Services to inpatients include nutritional assessment, intervention and support, discharge planning for outpatient follow-up and community services. Outpatient counselling services are provided to groups and individuals in clinics within the department and as part of multidisciplinary teams. A home enteral nutrition service is also provided. There is commitment to provide ongoing education to hospital staff, education and support for student dietitians, and support and advice to dietitians and other health professionals in regional areas.

Dietetic Assistants in Nutrition Support Services undertake nutrition screening, assist patients with menu choices, organise specialised nutrition products, and monitor nutritional intakes. They also update information on patients' diet orders to ensure the correct menu selections for patients while they are in hospital.

The department has a commitment to research. Major interests are divided into three areas: nutrition support (ICU and burns, malnutrition, pressure ulcers, cancer, bone marrow transplant, tube feeding and food service); chronic disease management (diabetes, gestational diabetes and maternity, obesity management, gastroenterology, renal disease and mental health); and education (student placement and collaborative learning). Research is not confined to these areas and depends on the interests of staff and collaborative groups.

The department has developed strong local research collaborations with Internal Medicine Services, the Burns Trauma and Critical Care Research Centre, Cancer Care Services, Department of Gastroenterology and Hepatology and Nursing and Midwifery Services.

Statewide and national networks include Murdoch Children's Research Institute; the Parenting Research Centre; National Burns Dietetics Group; Australasian Society of Parental and Enteral Nutrition (AuSPEN); Australian and New Zealand Intensive Care Research Centre (ANZIC-RC); as well as Nursing Research Centre of Excellence collaborations with other hospitals, such as The Princess Alexandra, The Prince Charles, The Royal Childrens and The Wesley.

Academic partners are Queensland University of Technology (QUT); the Institute of Health and Biomedical Innovation (IHBI) at QUT; The University of Queensland (UQ); Griffith University; The University of Queensland Centre for Clinical Research (UQCCR) and Queensland Institute of Medical Research (QIMR).

Research staff

Name	Qualifications	Position	Interests/specialties
Dr Merrilyn Banks	PhD, BScGradDipEd, GradDipNutrDiet, MHIthSci	Director, Nutrition and Dietetics	malnutrition, pressure ulcers, elderly, critical care, food services
Teresa Brown	BScNutr (Hons), GradDipNutrDiet	Team Leader, Dietitian/Nutritionist	cancer care, gastrostomy
Christine Chapman-Kiddell	BScNutr (Hons), GradDipNutrDiet MPhil candidate	Senior Dietitian/Nutritionist	gastroenterology, irritable bowel disease, Crohn's disease
Sarah Andersen	BHIthSci, NutrDiet	Senior Dietitian/Nutritionist	cancer care, nutrition support, malnutrition
Denise Cruickshank	BSc, GradDipNutrDiet, GradDipTeach(Sec), GradCertHIthMg, MHIthSc	Dietitian Consultant, Queensland Health Foodservices Support and Coordination	food services
Susan de Jersey	BHIthSciNutrDiet (Hons), BAppSci HMS (Hons), MPH, PhD candidate	Senior Dietitian/Nutritionist	maternal health, maternal obesity, infant feeding, gestational diabetes
Kathleen Dwyer	BHIthSciNutrDiet	Dietitian/Nutritionist	cancer care, pressure ulcers
Jennifer Ellick	BHIthSciNutrDiet	Senior Dietitian/Nutritionist	food service, dietetic workforce efficiency, IBS and functional gut disorders, eating disorders
Jan Hill	BSc, GradDipNutDiet, MPH	Team Leader, Dietitian/Nutritionist	malnutrition, pressure injury, elderly
Lisa Jolliffe	BHIthSciNutrDiet	Dietitian/Nutritionist	cancer care, malnutrition, renal
Philip Juffs	BAppSci, GradDipNutrDiet, GradCertHIthMg	Team Leader, Dietitian/Nutritionist	renal services

Research staff

Name	Qualifications	Position	Interests/specialties
Amanda Lowe	BHlthSciNutrDiet (Hons)	Dietitian/Nutritionist	cancer care, nutrition support
Belinda Mason	BAppSci, HMS, BHlthSci, NutrDiet	Senior Dietitian/Nutritionist	cancer care, renal and gestational diabetes
Maria O'Connell	MAA	Dietitian/Nutritionist	gestational diabetes, mental health
Lauren Rogers	BHlthSciNutrDiet (Hons), GradDip Diabetes	Senior Dietitian/Nutritionist	malnutrition, elderly, diabetes
Dr Lynda Ross	PhD (BiomedSci), BNutrDiet (Hons)	Research Coordinator	chronic disease, rare diseases
Amy Scott	BHlthSciNutrDiet	Dietitian/Nutritionist	malnutrition, nutrition support
Siobhan Wallin	BHlthSciNutrDiet	Senior Dietitian/Nutritionist	critical care, upper gastrointestinal surgery
Adrienne Young	BHlthSciNutrDiet (Hons), PhD candidate	Dietitian/Nutritionist	malnutrition, elderly

Supervised post-graduate students

Name	Current studies	Research topic
Agarwal, E.	PhD	The Australasian Nutrition Care Day Survey: an investigation into the relationship between nutritional factors and clinical outcomes at three months in acute care patients
Al Balushi, R.	PhD	Effect of intravenous GLutamine supplementation IN Trauma patients receiving enteral nutrition (GLINT Study): a prospective, blinded, randomised, placebo-controlled clinical trial
Brown, T.	PhD	Does early commencement of nutrition support in patients with head and neck cancer improve outcomes?
Chapman-Kiddell, C.	MPhil	Role of diet in the development of inflammatory bowel disease
de Jersey, S.	PhD	Are we missing opportunities: understanding health behaviours associated with overweight in pregnancy: New Beginnings Healthy Mothers and Babies Study
Young, A.	PhD	Encouraging assisting and time to eat: Comparison of mealtime assistance interventions in elderly medical inpatients
Roberts, S.	PhD	Nutrition in prevention of pressure ulcers in hospitalised patients

Awards and achievements

Award	Event	Name
Advanced Accredited Practising Dietitian	Dietitian's Association of Australia	Brown, T.
Honorable mention for poster titled 'Identification of high-risk patients and compliance to evidence-based guidelines for the swallowing and nutrition management of patients with head and neck cancer facilitates early dietetic intervention and improves patient outcomes'	Management of long-term issues poster session, 8th International Conference on Head and Neck Cancer, Toronto, Canada	Brown, T.
Honorable Mention for poster titled 'Evidence-based guidelines for the nutritional management of patients with head and neck cancer: Developing and maintaining guidelines on a wiki-platform'	Management of long-term issues poster session, 8th International Conference on Head and Neck Cancer, Toronto, Canada	Brown, T.
New Researcher award for abstract presentation 'Protected mealtimes in the Australian context: Encouraging, Assisting and Time to EAT'	16th International Congress of Dietetics (ICD), Sydney Convention Centre, Australia	Young, A.

Awards and achievements

Award	Event	Name
Powell Young Investigator award for abstract presentation titled 'Identification of high-risk patients and compliance to evidence-based guidelines for the swallowing and nutrition management of patients with head and neck cancer facilitates early dietetic intervention and improves patient outcomes'	2012 RBWH Healthcare Symposium	Brown, T.
RBWH Scholarship to conduct research titled 'Does early commencement of nutrition support in patients with head and neck cancer improve outcomes?'	Annual RBWH Foundation Awards Presentation	Brown, T.
DB Duncan Training Fellowship for International Study/Travel for attendance at 8th International Conference on Head and Neck Cancer, Toronto, Canada	Cancer Council Queensland	Brown, T.

Research grants

Investigators	Research title	Granting body	Amount awarded	Years of funding
Banks, M., Webster, J., Coleman, K., Campbell, J.	Healing pressure ulcers: Efficacy and cost effectiveness of nutrition in healing of pressure ulcers and chronic wounds	RBWH Foundation	\$30,000	2012
Young, A., Mudge, A., Banks, M., Ross, L., Isenring.	Managing malnutrition: An interdisciplinary discharge planning and post hospital nutrition care model to improve clinical outcomes in older medical patients	RBWH Foundation	\$30,000	2012
Morey (Mason), B., Campbell, K., Ross, L., Kark, A., Juffs, P., Gill, E., Healy, H., Ash, S.	Blood pressure management in chronic kidney disease: development of a self-management model to improve patient outcomes	RBWH Foundation	\$25,000	2012
Cohen (Andersen), S., Banks, M., Kennedy, G.	A randomised comparison of parenteral nutrition and enteral feeding as nutritional support during allogeneic haematopoietic progenitor cell transplantation	RBWH Foundation	\$24,000	2012
Ross, L., Capra, S., Lavin, M., Sinclair, K., Lewindon, P., Munro K.	Therapeutic approaches to nutrition in ataxia-telangiectasia (A-T): A randomised controlled age matched cross-over trial design	RBWH Foundation	\$30,000	2012
Morey, B., Campbell, K., Ross, L., Kark, A., Juffs, P., Gill, E., Healy, H., Fassett, R., Ash, S.	Multiphase development of self management model to improve blood pressure management in chronic kidney disease: preliminary data collection and resource development	ANZSM-AMGEN Quality Assurance Grants Programme	\$10,000	2012
Barrett, H., Callaway, L., de Jersey, Lingwood, B., Dekker Nitert, M., D'Emden, M.	Impact of metformin treatment for gestational diabetes on lipid metabolism and infant body composition: A prospective observational study	RBWH Foundation	(\$8,658 -nutrition component)	2012
Banks, M., Mudge, A., Ross, L., Young, A.	Managing malnutrition: Identifying and addressing barriers and enablers for an interdisciplinary post hospital nutrition care model to improve clinical outcomes in older medical patients	Queensland Health Model of Care Project	\$138,000 (\$69,000 per annum for two years)	2011-2013
Brown, T.	Does early commencement of nutrition support in patients with head and neck cancer improve outcomes?	RBWH	\$35,000	

Publications

Agarwal E, Ferguson M, Banks M, Bauer J, Capra S, Isenring E. Nutritional status and dietary intake of acute care patients: Results from the Nutrition Care Day Survey 2010. *Clinical Nutrition*. 2012;31(1):41-47.

Agarwal E, Ferguson M, Banks M, Batterham M, Bauer J, Capra S, Isenring E. Malnutrition and decreased food intake are associated with prolonged length of hospital stay, frequent hospital readmissions and greater in-hospital mortality: Results from the Australasian Nutrition Care Day Survey 2010. *Clinical Nutrition*. 2012;Dec 5.doi:10.1016/j.clnu.2012. 11.021. [Epub ahead of print]

Agarwal E, Ferguson M, Banks M, Batterham M, Bauer J, Capra S, Isenring E. Nutrition Care Practices in hospital wards: Results from the Nutrition Care Day Survey 2010. *Clinical Nutrition*. 2012;31(6):995-1001.

Publications

Brown T, Spurgin A, Ross L, Tripcony L, Keller J, Hughes B, Hodge R, Dickie G, Walker Q, Banks M, Crombie J. Validated swallowing and nutrition guidelines for patients with head and neck cancer: Identification of high risk patients for proactive gastrostomy. *Head and Neck*. 2012;Sep 13.doi:10.1002/hed.23146. [Epub ahead of print].

de Jersey SJ, Nicholson JM, Callaway LK, Daniels LA. A prospective study of pregnancy weight gain in Australian women. *Aust N Z J Obstet Gynaecol*. 2012;52(6):545-51.

Hughes B, Jain V, Brown T, Spurgin A, Hartnett G, Keller J, Tripcony L, Appleyard M, Hodge R. Decreased hospital stay and significant cost savings after routine use of prophylactic gastrostomy for high risk patients with head and neck cancer receiving chemoradiotherapy at a tertiary institution. *Head and Neck*. 2012;35(3):436-42.

Isenring E, Bauer J, Banks M, Miller M. Managing malnutrition: How to treat and identify unintentional weight loss in adults. *Medicine Today*. 2012;13(3):67-71.

Isenring E, Banks M, Ferguson M, Bauer J. Beyond malnutrition screening: appropriate methods to guide nutritional care for long term care residents. *Journal of the Academy of Nutrition and Dietetics*. 2012;112(3):376-381.

Memon MA, Khan S, Osland E. Meta-analyses of light weight versus conventional (heavy weight) mesh in inguinal hernia surgery. *Hernia*. 2012;16:497-502.

Mudge AM, Young AM, Ross LJ, Isenring EA, Scott RA, Scott AN, Daniels L, Banks MD. Hospital to Home Outreach for malnourished elders (HHOME): A feasibility pilot. *Journal of Aging Research and Clinical Practice*. 2012;1(2):131-134.t

Ross L, Wilson M, Banks M, Rezannah F, Daglish M. Prevalence of malnutrition and risk among patients undergoing alcohol and drug treatment. *Nutrition*. 2012;28(7-8):738-43.

Young A, Mudge AM, Banks MD, Ross L, Daniels L. Encouraging, assisting and time to EAT: Improved nutritional intake for older medical patients receiving protected mealtimes and/or additional nursing feeding assistance. *Clinical Nutrition*. 2012;Nov 17.doi:10.1016/j.clnu.2012.11.009. [Epub ahead of print].

Department of Occupational Therapy



Susan Laracy
Director, Occupational
Therapy

Overview

Occupational Therapy Services provide both secondary, tertiary and quaternary services specialising in burns, hands, lymphoedema, pain and stroke.

The Crammond Fellowships is a three-year research fellow pursuant to completion of Masters by Research. Research topics are reflective of the advanced clinical positions and the Crammond Fellow.

Further exploration of Honours topics is a goal for 2013-2014 to enhance the breadth of areas of the profession's scope of practice under investigation.

Research staff

Name	Qualifications	Position	Interests/specialties
Karl Bagraith	BOccThy (Hons I), PhD candidate	Senior Occupational Therapist	outcome measurement, chronic pain, chronic musculoskeletal conditions, international classification of functioning, disability and health
Nicole Andrews	BOccThy (Hons I)	Senior Occupational Therapist	chronic pain, activity patterns, disability and daily functioning
Tennille Rowland	BOccThy, GradCert (Stroke), MPhil	HP5 Clinical Occupational Therapist	stroke, neurology

Supervised post-graduate students

Name	Current studies	Research topic
Hayes, J.	Occupational Therapy (Hons)	Patient goals and the International Classification of Functioning, Disability and Health (ICF): Evaluating the content validity and the clinical utility of the low back pain core sets
Hutchinson, L.	Occupational Therapy (Hons)	Rasch analysis of the pain self-efficacy questionnaire
D'Arrigo, R.G.	Occupational Therapy (Hons)	Predictors of sleep quality in adults with chronic pain: A momentary, within-persons perspective

Awards and achievements

Award	Event	Name
National PhD student Travel Award, Australian Pain Society		Bagraith, K.S.
International PhD student Travel Award, International Association for the Study of Pain		Bagraith, K.S.

Research grants

Investigators	Research title	Granting body	Amount awarded	Years of funding
Bagraith, K.S., Fleming, J., Morrell, S., Cella, D., Cook, K., Ostini, R., Strong, J.,	The promising prospect of the NIH's PROMIS (Patient Reported Outcome Measurement Information System): Clinical validation of new generation depression and anxiety measures for pain practice and research	RBWH Foundation	\$30,000	2012- 2013
Bagraith, K.S., Strong, J., McPhail, S.M., Sussex, R.	Allied Health PhD Write-up Scholarship	Allied Health Professions of Queensland	\$30,975	2012- 2013

Research grants

Investigators	Research title	Granting body	Amount awarded	Years of funding
Andrews, N., Strong J, Meredith, P.	Approach to activity and determinants of daily function in patients with chronic pain: A momentary within-persons perspective	Occupational Therapist Board of Queensland Novice Researcher Grant	\$16,010.28	2011-2013
Andrews, N.	Approach to activity and determinants of daily function in patients with chronic pain: A momentary within-persons perspective	RBWH Foundation Scholarship (awarded in 2012)	\$65,000	2013

Publications

Andrews N, Strong J, Meredith P. Activity pacing, avoidance, endurance and associations with patient functioning in chronic pain: A systematic review and meta-analysis. *Archives of Physical Medicine and Rehabilitation*. 2012;93:2109-2121.e7

Bagraith KS, Hayes J, Strong J. Patient goals and the International Classification of Functioning, Disability and Health: Examining the content validity and clinical utility of the low back pain core sets. *Anaesthesia and Intensive Care*. 2012;40(3):531-2.

Bagraith KS, Strong J, Sussex R. Disentangling disability in the fear avoidance model: More than pain interference alone. *Clinical Journal of Pain*. 2012;28(3):273-4.

Bagraith KS, Strong J. Using the ICF to examine the content coverage and clinical utility of the PROMIS pain interference scale. *Quality of life research*. 2012;Suppl:20:47-8.

McPhail SM, Bagraith KS, Schippers M, Wells PJ, Hatton A. Use of condition-specific patient-reported outcome measures in clinical trials among patients with wrist osteoarthritis: A systematic review. *Adv Orthop*. 2012;2012:273421.

Rose S, Rowland T, Pannek K, Baumann F, Coulthard A, McCombe P, Henderson R. Structural hemispheric asymmetries in the human precentral gyrus hand representation. *Neuroscience*. 2012;210:211-21.

Department of Physiotherapy



Peter Buttrum
Director, Physiotherapy

Overview

The Department of Physiotherapy provides clinical services to both inpatients and outpatients of RBWH who have, or potentially have, an underlying movement dysfunction resulting from injury, disease or life changes.

Physiotherapy treatment is directed towards maintaining and restoring normal function, minimising dysfunction and preventing disability by providing non-pharmacological pain relief, enhancing movement patterns by restoring joint range and muscle function, maximising cardiorespiratory function and achieving functional independence.

Tertiary services are provided for patients with amputations, burns, lymphoedema, persistent pain, oncological and musculoskeletal conditions, respiratory conditions, hand injuries, pelvic floor dysfunction, prematurity and pregnancy.

The department has a significant commitment to research across a number of clinical fields. Research is undertaken by both designated researchers, as well as clinical staff members with specific interest in their fields of professional practice and expertise. Key areas of research activity in 2012 were musculo-skeletal conditions, acute care physiotherapy, pain management, burns, neurology, neonates, and clinical education.

The joint research position with Griffith University's School of Physiotherapy and Exercise Science was filled in 2012 by Professor Alice Jones and Dr Sean O'Leary continues as the Principal Research Fellow in the joint research position with the University of Queensland. The department also has research collaborations with the Centre of Clinical Research Excellence in Spinal Pain, Injury and Health (CCRE SPINE) at The University of Queensland.

Research staff

Name	Qualifications	Position	Interests/specialties
Peter Buttrum	BPhty	Director, Physiotherapy	clinical education, orthopaedics
Julie Adsett	BPhty (Hons)	Advanced Clinical Physiotherapist	heart failure, chronic disease management
Praline Choolun	BSc (Phty), Grad Dip (Geriatrics)	Physiotherapist Team Leader (GARU)	neurological physiotherapy
Dr Jayne Grayson	PhD, BSc (Kinesiology), MA (Ex. Physiology), MPhtySt	Research Fellow (RBWH and Griffith University)	musculoskeletal pain and injury, sports injuries
Brooke Hoskin	BPhty (Hons)	Senior Physiotherapist	burns
Prof. Alice Jones	PhD, Certificate Physiotherapy, MPhil, DipEd, Msc, FACP	Principal Research Fellow	acute care physiotherapy, pain management
Dr Shaun O'Leary	BPhty (Hons), MPhty (Manip), PhD, FACP	Principal Research Fellow	musculoskeletal conditions
Anita Plaza	BPhty (Hons)	Team Leader, Advanced Clinician (Burns)	burns
Madonna Puglisi	BPhty (Hons)	Senior Physiotherapist	burns
Hildegard Reul-Hirche	DipPhty	Senior Consultant Physiotherapist (Lymphodema)	breast cancer rehabilitation
Dr Peter Thomas	BPhty (Hons), PhD, FACP	Consultant Physiotherapist	critical care, cardio-respiratory
Glen Volker	BPhty	Acting Team Leader (Outpatients)	musculoskeletal conditions
Peter Window	BPhty (Hons)	Physiotherapist	musculoskeletal conditions
Emma Paterson	BPhty	Physiotherapist	musculoskeletal conditions, haemophilia

Supervised post-graduate students

Name	Current studies	Research topic
Adsett, J.	PhD	Safety and efficacy of aquatic exercise for patients with stable heart failure

Awards and achievements

Award	Event	Name
ALA Award for contribution to Lymphology Research	9th Australasian Lymphology Association Conference	Reul-Hirche, H.

Research grants

Investigators	Research title	Granting body	Amount awarded	Years of funding
Parker, I.	Allied Health-led Vestibular Screening Clinic and Rehabilitation Service	RBWH AHP MOC funding	\$30,500	2012-2013
O'Leary, S.	Developing clinical motion analysis (research equipment funding)	RBWH Private Practice Trust Fund	\$39,957	2012-2013
O'Leary, S., Volker, G., McPhail, S., Kuipers, V., Dalton, M.	Do clinicians have the necessary skills to facilitate optimal utilisation of health services by patients with chronic musculoskeletal disorders?	Queensland Health HP Research Grant Scheme	\$40,000	2012-2013
O'Leary, S., Window, P.	Equipment funding	RBWH AHP	\$3,846	2012
Comans, T., Raymer, M., Smith, D., O'Leary, S.	Economic evaluation of the OPSC and MDS	AushHI Stimulus Grant	\$86,295	2013-2014
O'Leary, S., Raymer, M., Comans, T., McPhail, S., Khan, A.	Predicting outcome to the conservative care of common orthopaedic conditions	RBWH Foundation Grant	\$39,000	2013-2014
Patman, S., Skinner, E., Reeve, J., Thomas, P.	Minimum standards of practice for physiotherapists working in critical care: wA Delphi study	Physiotherapists' Registration Board of WA Research Grant	\$25,000	2012-2013
Adsett, J., Mudge, A.	Safety and efficacy of aquatic exercise for patients with stable heart failure	Heart Foundation Post Graduate Scholarship	\$71,439.50	2012-2017
Adsett, J., Mudge, A.	Aquatic versus land based exercise for patients with chronic heart failure	RBWH Post Graduate Scholarship	\$30,000	2012
Adsett, J., Mudge, A.	Maintenance of exercise performance following a disease-specific hospital rehabilitation programme for patients with chronic cardiovascular and pulmonary disease: The effect of a community-based structured exercise programme	RBWH Research Grant	\$14,000	2012

Publications

Bourke MG, Jull GA, Buttrum PJ, FitzPatrick PL, Dalton PA, Russell TG. Comparing outcomes of medial parapatellar and subvastus approaches in total knee arthroplasty. A randomised controlled trial. *The Journal of Arthroplasty*. 2012.

Bourke MG, Jull GA, Buttrum PJ, FitzPatrick PL, Dalton PA, Russell TG. A comparison of patellar vascularity between the medial parapatellar and subvastus approaches in total knee arthroplasty. *The Journal of Arthroplasty*. 2012.

Chan CK, Wong NN, Wong WH, Yeung CW, Jones AYM. Effect of Acu-TENS on post-exercise airway resistance in healthy subjects. *Hong Kong Physiotherapy Journal*. 2012;30:29-35.

Chipchase LS, Buttrum PJ, Dunwoodie R, Hill AE, Mandrusiak A, Moran M. Characteristics of student preparedness for clinical learning: clinical educator perspectives using the Dehli approach. *BMC Medical Education*. 2012;12:112.

Falla D, O'Leary S, Farina D, Jull G. The change in deep cervical flexor activity following training is associated with the degree of pain reduction in patients with chronic neck pain. *The Clinical Journal of Pain*. 2012;28(7):628-34.

Holland AE, Hill CJ, Jones AY, McDonald CF. Breathing exercises for chronic obstructive pulmonary disease 2010, Issue 1. Art. No: CD008250. DOI: 10.1002/14651858. CD008250.

Leung WW, Jones AYM, Ng, SSM, Wong CYN, Lee JFY. Acu-TENS reduces discomfort associated with Barostat-induced rectal distension: A randomised-controlled study. *World Journal of Gastroenterology*. 2012;19(3):381-388.

McPhail S, Nagelstad Dalland L, Naess K, Lund M, Johan Ytre-Hauge T, Reiersen Holm S, O'Leary S. Intra-therapist reliability in the rating of scapula posture in multiple planes of reference. *ISRN Rehabilitation*. 2012.

Publications

Ngai SPC, Jones AYM. Effect of Acu-TENS over BL13 on skin impedance of acupoints along the lung meridian. *Journal of Alternative and Complementary Medicine*. 2012. Doi:10.1089/acm.2012.0097.

O'Leary S, Jull G, Kim M, Uthairkhum S, Vicenzino B. Training mode dependent changes in motor performance in neck pain. *Archives of Physical Medicine and Rehabilitation*. 2012;93:1225-1233.

Pang MYC, Cheng AQ, Warburton D, Jones AYM. Relative impact of neuromuscular and cardiovascular factors on bone strength index of the hemiparetic distal radius epiphysis among individuals with chronic stroke. *Osteoporosis International*. 2012;23:2369-2379.

Paratz JD, Stockton K, Plaza A, Muller M, Boots RJ. Intensive exercise after thermal injury improves physical, functional and psychological outcomes. *Journal of Trauma and Acute Care Surgery*. 2012;73(1):186-96.

Patterson E. Physiotherapy at the WFH World Congress. *National Haemophilia Journal of Australia*. 2012;Dec;180).

Sheard B, Elliott J, Cagnie B, O'Leary S. Evaluating serratus anterior muscle function in neck pain using muscle functional magnetic resonance imaging. *Journal of Manipulative and Physiological Therapeutics*. 2012.

Rahman FBA, Jones AYM, Pang MYC. Oxygen consumption required by stroke patients during completion of the Modified Rivermead Mobility Index (MRMI). *Hong Kong Physiotherapy Journal*. 2012;30:26-82.

Yu D, Jones AYM, Pang M. Development and validation of the Chinese version of the massachusetts general hospital acupuncture sensation scale: An exploratory and methodological study acupuncture in medicine. 2012;30:214-221. Doi:10.1136/acupmed-2012-010145.

Zakharova-Luneva E, Jull G, Johnston V, O'Leary S. Altered trapezius muscle behaviour in individuals with neck pain and clinical signs of scapular dysfunction. *Journal of Manipulative and Physiological Therapeutics*. 2012;35(5):346-53.

Department of Psychology



Anne Clair
Director, Psychology

Overview

Research performed at the Department of Psychology generally falls within the domain of behavioural medicine. Research focus is on health behaviours and the psychological impact of disease.

Applications within behavioural medicine include health promotion, symptom management and disease management. At present, a new psychology clinic is under development as a joint project with The University of Queensland's School of Psychology. This centre will provide new opportunities to establish joint research projects.

A collaboration was formed between the Griffith University's School of Psychology and Department of Psychology to work on a joint research project to investigate factors influencing psychological adjustment and community functioning following stroke.

Psychologists working with cancer patients are collaborating on a multi-site intervention study to treat fear of cancer recurrence.

Psychology research in the renal medicine area focused on the assessment of stress and burnout in renal nurses. Two projects investigating interventions to improve adherence in dialysis patients have commenced. Both these projects were funded by RBWH Foundation.

In 2012, a research working group was formed at the psychology department to engage more clinicians in research. It aims to provide a forum for collaboration, support and resource sharing.

Research staff

Name	Qualifications	Position	Interests/specialties
Sarah Anticich	PhD	Senior Clinical Psychologist	anxiety, resilience
Elisabeth Hamernik	MCP	Advanced Clinical Psychologist	adherence, depression
Sarah Winter (nee Olsen)	PhD	Advanced Clinical Psychologist	sleep disorders, chronic disease
Therese de Dassel	MCP	Senior Clinical Psychologist	perinatal developmental outcomes
Maree Grier	MCP	Senior Clinical Psychologist	psycho-oncology
Donna Spooner	PhD	Advanced Clinical Neuropsychologist	neurology
Amanda Fairclough	BA (Hons)	Senior Psychologist	psycho-oncology
Amanda Francis	MCP	Senior Clinical Psychologist	psycho-oncology

Publications

Hornsey M, Olsen S, Barlow F, Oei T. Testing a single-item visual analogue scale as a proxy for cohesiveness in group psychotherapy. *Group Dynamics: Theory, Research and Practice*. 2012;16,80-90.

Olsen S, Smith S, Oei T, Douglas J. Motivational Interviewing (MINT) improves continuous positive airway pressure (CPAP) acceptance and adherence: a randomised controlled trial. *Journal of Clinical and Consulting Psychology*. 2012;80,151-163.



Peter Slattery
 Director, Rehabilitation Engineering

Overview

Rehabilitation Engineering continues to work towards strengthening the evidence base for service delivery through a number projects:

Programme theory analysis of custom cushion services for adult clients with spinal cord injury

This is a joint project with Metro South Spinal Outreach Team (SpOT) aiming to map the client journey from referral to six months post discharge to evaluate the outcomes of the current service model.

Progress has been reported at two Australian and New Zealand Spinal Cord Society (ANZSCoS) conferences and two Medical Aids Subsidy Scheme (MASS) prescriber forums. This research is in the final stages of collating data from the study. (Principal RBWH Researchers, Peter Slattery and Oliver Mason).

Seating simulation mannequin

This project involves developing a mannequin for use both in product development and testing and for use as an “artefact” in education seminars to assist in cross discipline communication.

A second generation mannequin was developed through a student project for 2012. This prototype has features which more realistically simulate skeletal deformities to improve the fidelity and hence training experience.

A training session was delivered to the Education Queensland Therapy Support Conference in 2012 (Principal Researcher, Peter Slattery).

Life cycle of flexible polyurethane foam in custom seating

Several projects have continued in this field. The primary goal is to better inform clients using custom cushions about the correct way in which to use and manage these devices.

A second phase cyclic testing rig and strength testing unit were completed in 2012 with the assistance of medical engineering students from QUT (Principle Researcher, Peter Slattery).

Research staff

Name	Qualifications	Position	Interests/specialties
Peter Slattery	BE (Mech) (Hons), MEngSc (Research), CPEng, RPEQ, NPER (Biomed), MIEAust	Director, Rehabilitation Engineering; Adj. Assoc. Prof. Faculty Science and Engineering, QUT	rehabilitation engineering, engineering design, inter-team communication

Department of Social Work Services



Dr Jan Hinson
Director, Social Work

Overview

The RBWH Department of Social Work Services identifies its mission as assisting patients, their families and carers with the impact of changes in health on individual and family functioning, and achieving maximum benefits from health care services through leadership in service provision, education and research.

The strategic objectives of the departmental research program are to:

- » Develop a program consistent with the strategic goals of the department;
- » Contribute significantly to research in social work, healthcare practice and service development and evaluation;
- » Maintain a work environment that supports research and evidence-based practice;
- » Promote actively research achievements and raise the profile of social work research;
- » Provide staff with access to a range of education and development opportunities related to social work research;
- » Share professional expertise and knowledge with local, national and international communities;
- » Ensure the social work departmental research program is appropriately funded and supported.

Research achievements in 2012 include:

- » QUT School of Public Health and Social Work and RBWH Patient Flow Unit – ‘Younger adults with disability: Addressing the social factors and economic costs associated with length of hospital stay’ (investigators: Redfern, H., Burton, J., Lonne, B., Fenn, M., Winter, E., Hinson, J.)
- » UQ School of Social Work and Human Services – ‘Domestic and family violence during pregnancy and pathways to support and safety in rural, regional and remote communities in Queensland’ (investigators: Walsh, D., Hafner, D., Hinson, J.)

Practice-based research:

- » Stage 1 entitled ‘Adults with disability: Identifying factors associated with length of hospital stay via social worker and multidisciplinary care team member reports’ progressed of the ‘Younger adults with disability: Addressing the social factors and economic costs associated with length of hospital stay study’ (investigators: Redfern, H., Burton, J., Lonne, B., Fenn, M., Winter, E., Hinson, J.)
- » ‘IMPACT – IMproving Psychological health And decreasing Cardiovascular risk in patientS post burns’ (investigators: Paratz J, Druery M, Plaza A, Cohen J, Muller M, Stockton K, Younger J), Burns, Trauma and Critical Care Research Centre, RBWH
- » ‘Placement rotation in aged care (PRAC)’ project initiated (investigators: Redfern, H., Fox, S., Hinson, J.)
- » Two doctoral theses progressed. One PhD thesis confirmed entitled ‘Behind the masks: A study of social work, trauma and the complex hospital organisation’ (Hinson, J.)
- » The ‘Thriving not Surviving’ project progressed implementing a capability and support framework for new staff and new graduates (De Ruiter, A.)

Research staff

Name	Qualifications	Position	Interests/specialties
Dr Jan Hinson	BSocWk, MSWAP, MASSW (Acc.), PhD	Director, Social Work	trauma and violence, child protection
Helen Redfern	BSocWk, MASW, MAASW	Clinical/Research Specialist (part-time)	chronic disease, ethics, aged care and disability, clinical education
Wayne Middleton	BSocWk, Master of Health Science, Health Services Management	Social Worker Advanced	clinical governance
Martha Druery	BA (Psych), BSocWk (Hons)	Social Worker Advanced	psychosocial outcomes, burn injuries, family bereavement, trauma
Dr Suzette Fox	BSocWk, PhD	Clinical Educator	clinical education and supervision, work attitudes and life aspirations
Hayley Parsons	BSocWk, MASW	Social Worker	evidence-based practice, professional identify, organisational culture
Anne de Ruiter	MPhil	Social Worker	workforce capability

Supervised post-graduate students

Name	Current studies	Research topic
Hinson, J.	PhD	Behind the masks: A study of social work, trauma and the complex hospital organisation
Middleton, W.	Doctor of Health Science , HScD (Professional Doctorate)	An analysis of the understanding of and engagement in clinical governance by allied health professionals
Parsons, H.	Doctor of Social Work (Professional Doctorate)	Evidence-based hospital social workers' experience of organisational culture and professional identity
Brennan, K.	Masters of Social Work	Course work

Awards and achievements

Award	Event	Name
Doctorate of Philosophy	UQ Postgraduate Awards	Hinson, J.

Research grants

Investigators	Research title	Granting body	Amount awarded	Years of funding
Redfern, H., Burton, J., Lonne, B., Fenn, M., Winter, E., Hinson, J.	Younger adults with disability: Addressing the social factors and economic costs associated with length of hospital stay' Stage one entitled 'Adults with disability: Identifying factors associated with length of hospital stay via social worker and multidisciplinary care team member reports'	RBWH Allied Health Research Grant	\$30,000	2012
Redfern, H., Fox, S., Hinson, J.	Placement Rotation in Aged Care (PRAC)	Queensland Regional Training Networks Clinical Training Placements Innovation Project Funds	\$70,000	2012-2013

Department of Speech Pathology



Lynelle Bassett
Director, Speech Pathology

Overview

The Department of Speech Pathology provides tertiary and quaternary level clinical services to adult inpatients and outpatients with swallowing and/or communication disorders of varying complexity and aetiology.

Services are provided at the RBWH Acute Hospital, the Geriatric Evaluation and Management Unit (GEMU), and the Geriatric Assessment and Rehabilitation Unit (GARU), Rosemount.

The department participates in a range of specialist multidisciplinary teams and has a strong commitment to clinical research and speech pathology student education. In particular, the department has established key research partnerships with The University of Queensland Centre for Clinical Research and School of Health and Rehabilitation Sciences, resulting in ongoing collaborative research projects and publications.

Key research areas include:

- » Head and neck cancer – intervention, models of care and outcomes of patients following surgery and/or chemotherapy/radiotherapy
- » Stroke – intensity of aphasia treatment, provision of aphasia-friendly education
- » Dysphagia following thermal burn injury
- » Dysphagia – dysphagia screening, instrumental assessment and swallowing rehabilitation
- » Telehealth and telerehabilitation
- » Tracheostomy – simulated training.

Research staff

Name	Qualifications	Position	Interests/specialties
Lynell Bassett	BSpThy	Director, Speech Pathology	tracheostomy, burns
Ann-Louise Spurgin (nee Morton)	BSpPath (Hons); GradCertMgmt	Senior Speech Pathologist	cancer care, head and neck surgery
Jane Crombie	BSpPath; GradCertMgmt	Speech Pathologist (Advanced)	cancer care, head and neck surgery, telehealth
Sonia Baker	BSpPath	Speech Pathologist (Advanced)	tracheostomy, critical care
Clare Burns	BSpPath	Speech Pathologist (Advanced)	telehealth, telerehabilitation, head and neck surgery, cancer care
Anna Farrell	BSpPath (Hons), PhD	Speech Pathology Team Leader (Neuro-rehabilitation)	adult motor speech disorders; dysphagia
Sarah Heaton	BSpPath	Speech Pathology Team Leader (Acute)	dysphagia screening, burns
Marita Plunkett	BSpPath (Hons)	Speech Pathology Clinical Educator	clinical education, adult communication disorders
Penni Burfein	BSpPath	Speech Pathologist (Advanced)	rehabilitation
Leisa Turkington	BAppSc (Speech Path), MSc	Senior Speech Pathologist	dysphagia
Anna Rumbach	BSc (Hons), MSpPath, PhD	Lecturer, School of Health Rehabilitation Sciences, UQ	dysphagia associated with thermal burns
Prof. Elizabeth Ward	BSpThy (Hons), PhD, GradCertEd	Prof. Centre for Functioning and Health Research (CFAHR), Queensland Health; Conjoint Professor, School of Health and Rehabilitation Sciences, UQ	head and neck cancer, dysphagia associated with thermal burns, telehealth, telerehabilitation, ICU

Supervised post-graduate students

Name	Current studies	Research topic
Burns, C.	MPhil (under supervision)	Application of telehealth and telerehabilitation in head and neck cancer care

Awards and achievements

Award	Event	Name
RBWH Post Graduate Research Scholarship (\$30,500)		Burns, C.

Research grants

Investigators	Research title	Granting body	Amount awarded	Years of funding
Burns, C., Ward, E., Bassett, L., Greenup, P., Kenny, E., Malcolm, K., Turner, A., Rees, J.	Evaluation of a telehealth service for Head and Neck cancer patients: A new Speech Pathology service model	AusHSI	\$50,000	2012-2014

Publications

Burns CL, Ward EC, Hill A, Malcolm K, Bassett L, Del Rosso F, Kenny L, Greenup P. Consumer engagement and satisfaction with a speech pathology telehealth service supporting patients with head and neck cancer. *Asia-Pacific Journal of Clinical Oncology*. 2012;8(3):341.

Burns CL, Ward EC, Hill A, Malcolm K, Bassett L, Kenny L, Greenup P. A pilot trial of a speech pathology telehealth service for head and neck cancer patients. *Journal of Telehealth and Telecare*. 2012:1-4.

Rumbach AF, Ward EC, Cornwell PL, Bassett L, Muller MJ. Clinical progression and outcome of dysphagia following thermal burn injury: A prospective cohort study. *Journal of Burn Care and Research*. 2012;33(3):336-346.

Rumbach AF, Ward EC, Cornwell PL, Bassett LV, Muller MJ. Physiological characteristics of dysphagia following thermal burn injury. *Dysphagia*. 2012;27(3):370-383.

Sharma S, Ward EC, Burns C, Theodoros D, Russell T. Training the allied health assistant for the telerehabilitation assessment of dysphagia. *Journal of Telemedicine and Telecare*. 2012;18(5):287-291.

Ward EC, Burns CL. What's the evidence? Use of telerehabilitation to provide specialist dysphagia services. *Journal of Clinical Practice in Speech-Language Pathology*. 2012;14(3):124-128.

Ward EC, Sharma S, Burns C, Theodoros D, Russell T. Managing patient factors in the assessment of swallowing via telerehabilitation. *International Journal of Telemedicine and Applications*. 2012;132719.1-132719.6.

Ward EC, Sharma S, Burns C, Theodoros D, Russell T. Validity of conducting clinical dysphagia assessments for patients with normal to mild cognitive impairment via telerehabilitation. *Dysphagia*. 2012;27(4):460-72.

Ward EC, Baker S, Duggan B, Wall L, Hancock K, Bassett L, Hyde T. Use of simulation technology for clinical skills development in tracheostomy management. *Dysphagia*. 2012;27(4):619.

