



2019

ANNUAL RESEARCH REPORT

Research and Innovation
within the Sunshine Coast Hospital
and Health Service

Sunshine Coast
Hospital and Health Service

Exceptional people. Exceptional healthcare.



Queensland
Government

Contents

	Page
Foreword	4
Research strategy interim update 2019	6
Research snapshot 2019	8
New research approvals in 2019	10
The Australians Together HEalth INitiAtive (ATHENA Project)	14
Sunshine Coast Health Institute	16
Clinical trials	21
Sunshine Coast Hospital and Health Service Research Day 2019	26
Supporting research: Wishlist and SERTF in 2019	28
Coverdale-Anstey Young Investigator prize	31
Surgical services 2019 annual research report	32

Departmental reports

Cardiology	34
Anaesthesia and perioperative medicine	36
Emergency medicine	37
Dermatology	39
General surgery	41
Hepatology	43
Infectious diseases service	46
Intensive care services	48
Medical oncology	50
Mental health and addiction	52
Neuroscience and geriatrics	53
Pharmacy	56
Practice development	58
Radiation oncology	59
Renal	60
Respiratory and sleep medicine	63
Women's and families	65
Vascular surgery	67
.....	
Research governance and support	68
Research governance and development unit	69
Publications	70



Foreword

The 2019 Annual Research Report is our opportunity to recognise and celebrate the great work of Sunshine Coast Hospital and Health Service researchers and their many research partners and collaborators throughout the year.

As a health service we have a strong commitment to research and the benefits that it can bring to our patients and community. We operate in a demanding clinical and financial environment, yet our research activity and outcomes are impressive and as an organisation we continue to grow and develop strength in research every year.

Our focus in this report is on presenting the research work of our clinical departments and their research collaborators from a wide range of health service and academic institutions. However, we also recognise that there is a strong support element to our research which includes the work of the Research Governance and Development Unit, Clinical Trials Unit, Sunshine Coast Health Institute (SCHI) library and departmental research staff.

We thank and acknowledge the support of our Board and Executive, our Research Clinical Council and Research Operations Group. Each play a key role in supporting and guiding our research activity. Wishlist and the Study Education Research Trust Fund (SERTF) continue to provide much appreciated funding and support to local research and this report highlights the recipients of their joint 2019 research grants round.

We also recognise the important contribution made by our patients and community and thank them for their willingness to participate and support research.

We have included in this report an overview of our research strategy which will guide our efforts in the next 12 months. You will also notice the renewed emphasis on the SCHI partnership, membership and the research 'clusters' that will

form the basis of our future collaboration. We have highlighted the work taking place in clinical trials and the leading role played by our researchers in fields such as data systems linkage. Our Annual Research Day, in October, was another opportunity to showcase research being conducted by health service staff with collaborating partners.

Planning for the inaugural Sunshine Coast Health Symposium in March 2020 was another focus for 2019 and was a true SCHI 'joint effort' with plenty of valuable support and involvement in the planning and program development. Although COVID-19 led to its postponement, plans are underway for a symposium in 2021.

Our future includes a renewed emphasis on supporting staff to continue to develop and embed a strong research culture across our clinical departments. With the move to a national Clinical Trials Governance Framework, we will be expanding roles of Clinical Research Monitor and Research Navigator to assist quality and development in research.

Our 2019 report shows that there is much to celebrate in our health service's research and lots of valuable research being done. We recognise that there is still much to do and a long journey ahead.



Dr Brad McCall
Research Clinical Council Chair
Clinical Director Research
Sunshine Coast Hospital and Health Service

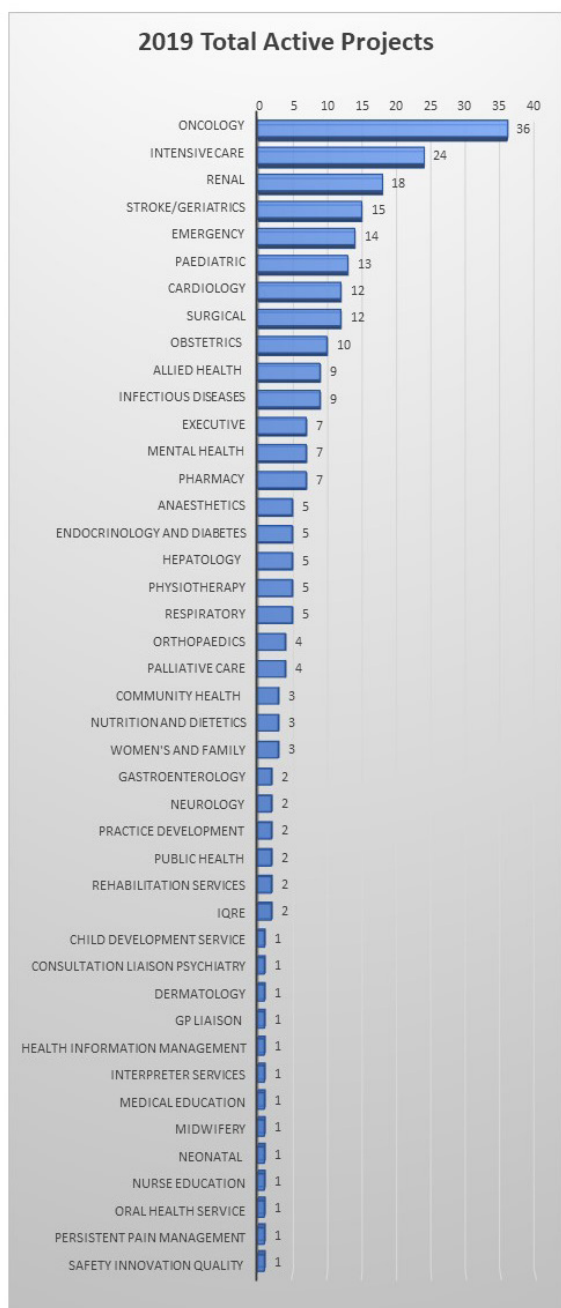


Research strategy interim update 2019

STRATEGY	Support excellence in research	Developing a strong and sustainable research culture
THEME	Support and develop excellent research across disciplines within the health service	Develop a strong and vibrant research community culture to retain high performing researchers and attract more to the health service
OBJECTIVES	Build on our existing research strengths and recognise opportunities for alignment with national and regional health research focuses	Recruit and retain the best researchers at all career stages across clinical disciplines
	Increase the quality and volume of research activity across the health service through the effective deployment of resources to support research growth and development	Grow the mentoring and interactions between researchers in a supportive and attractive environment including developing pathways for early career researchers
	Provide guidance and training to all researchers to give them the skills to undertake robust research with the highest possible impacts and outcomes	Support staff in the development of large funding applications in our areas of strength and encourage research income generation through clinical trials
	Ensure that all research staff, and those supporting them, have access to research education and skills training at the core of departmental culture	Support clinicians to develop a strong research and learning culture and recognise the role of research students in promoting research
	Provide effective research governance and development support which prioritises the aims and ambitions of researchers and partners	Celebrate and encourage our local research achievements through regular research symposiums and research showcases

Increasing the translation of research into clinical practice	Growing existing and building new partnerships
Develop a stronger framework where translation of the impact and outcomes from research are prioritised and communicated	Build on existing strong partnerships with key institutions and facilitate the development of new partnerships
Seek to ensure that research has impact beyond academic recognition through the engagement of people within organisations to effect policy and practice	Build strong links at the health service and researcher level with other researchers, academics, institutions and industry to nurture productive and sustainable partnerships
Promote activities that communicate our research strengths, achievements and successes through greater engagement across the health service and with the wider public	Develop partnerships at regional, national and international levels that support our research ambitions and development of long-term sustainable relationships
Support the scaling of research activities that are focused on delivering evidence-based approaches to improve healthcare delivery, service improvement and promote best practice through continuous learning	Build a strong and transparent framework for partnership engagement and the development and sharing of successful research programs
Ensure our quality improvement activities clearly identify key deliverables and service outcome impacts and monitor their translation into practice	Work closely with SCHI and our partner institutions to grow the health service's visiting researcher program and encourage high quality applications from other leading institutions
Provide support for experienced, novice and emerging researchers to nominate translational research projects within their disciplines	Increase the visibility of the health service as a quality research and partnering institution through our online presence and interactions with SCHI

Research snapshot 2019



In 2019 there were 260 research projects with approval to be conducted in the health service.

These projects included clinical trials, investigator-led clinical research and all novice, early career and experienced researcher, local and collaborative studies, across our organisation.

Our oncology department (including haematology, medical and radiation oncology) had the greatest number of active projects at 36. Other highly active departments included intensive care, renal and stroke and geriatrics. See figure 1 adjacent.

In 2019 there were 59 new studies (figure 2) authorised by the governance team, of which eight specifically mentioned the research of one or more research higher degree students. A full list can be found in the '2019 Site-Specific Assessment (SSA) Approvals List' later in this report.

Figure 1:
2019 Total Active
Projects

New research projects in 2019

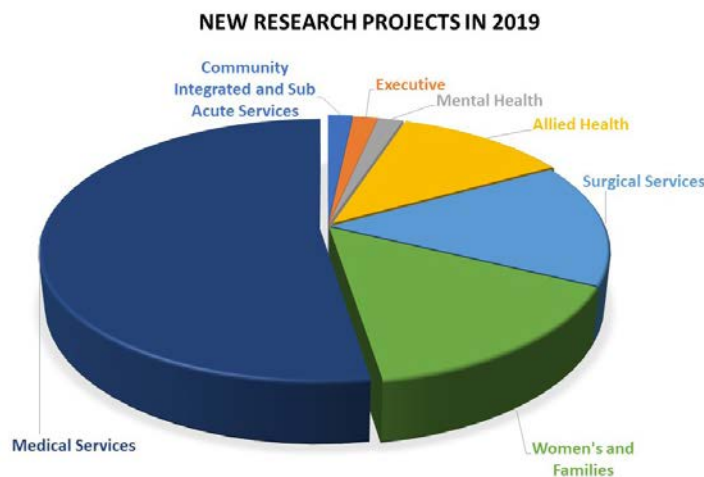


Figure 2:
Distribution of new research projects between service groups in 2019.

Our top five external research partners in 2019 (parties to collaborative research agreements) were local and inter-state academic institutions:

University of the Sunshine Coast	33
The University of Queensland	29
Queensland University of Technology	13
Monash University	11
University of Sydney	8

Research revenue from external sources received directly by the health service (excluding Department of Health funding), from Jan-Dec 2019 was \$1.44 million. This reflected an increase in research grant funding (+11 per cent), other non-commercially funded collaborative research (+5 per cent) and commercially sponsored clinical trials (+14 per cent) for the same period in 2018. This result was the highest revenue recorded across recent years and one we hope to see continuing to grow in the future.

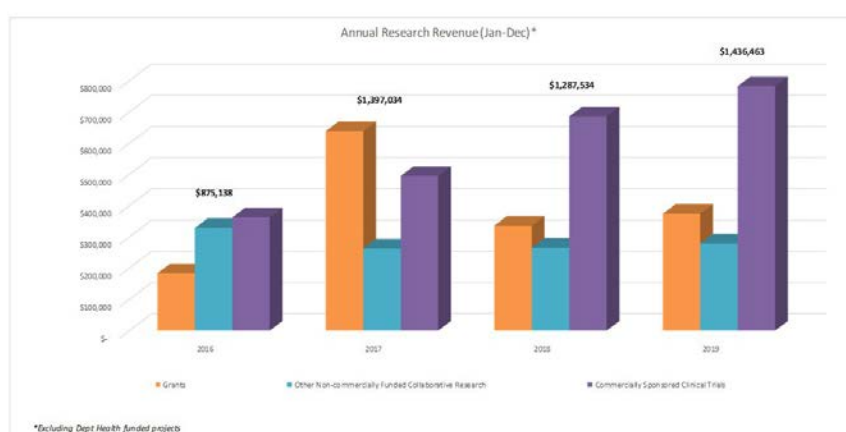


Figure 3:
Revenue from 2016-2019

New research project approvals in 2019

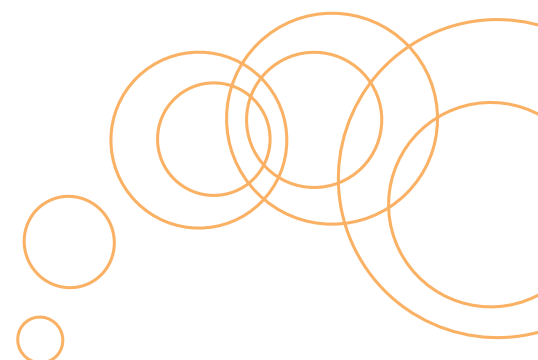
SSA Approval Date	Project Title	Short Title	Investigators	Service Group Conducting Research
New research studies including a Research Higher Degree (RHD) student (eight projects)				
18/01/2019	A descriptive correlational study using virtual stimulation to examine the clinical decision-making of hospital nurses caring for older patients.	VSIM Nambour	External + Frederick Graham	Medical Services
26/02/2019	Assessment of health outcomes and pilot testing other assessment tools for children with fetal alcohol spectrum disorder.	Assessment of Health Outcomes	External + Karen Moritz	Women's and Families
26/06/2019	The Leg Scan Study: Skeletal muscle as a potential marker of myocardial microvascular function in coronary artery disease with and without type II diabetes. [SERTF]	Leg Scan Study	Kim Greaves Tony Stanton Grace Young	Medical Services
8/08/2019	Citrate metabolism in critically ill patients receiving continuous renal replacement therapy using regional citrate anticoagulation: the CiMet Study.	CiMet Study	Chris Anstey	Surgical Services
8/08/2019	Evaluating ieMR's effect on peri-operative prescribing errors.	ieMR Peri-Op Prescribing	Helen Flannery	Medical Services
28/08/2019	Quality of Life for Palliative Patients and their families. The role of Acceptance and Commitment therapy. [RHD]	Palliative Care and ACT Therapy	Chris Martin	Community Integrated and Sub Acute Services
30/09/2019	Models of care for airway clearance services in Australia for adults with chronic lung conditions: a descriptive survey.	Airway Clearance Service	Laura Cooper	Allied Health
4/12/2019	A pilot study of practice and outcomes of ESCHAPPM organisms at a tertiary care hospital.	ESCHAPPM Organisms Study	Emily Jackson Kathryn Wilks	Allied Health

Other new research studies (51 Projects)				
18/01/2019	A Phase 1/2, Randomised, Placebo-Controlled Study to Evaluate the Safety, Tolerability, Pharmacokinetics, and Antiviral Activity of VIR-2218.	VIR-2218	James O'Beirne Jonathon Mitchell	Medical Services
18/01/2019	Observational phase IV clinical registry of the use of perampanel for the treatment of focal and generalised epilepsy.	Observational Use of Perampanel	Benjamin Tsang	Medical Services
30/01/2019	DIAMOND / BCT 1703: An investigator-initiated, non-randomised, phase II study of combination TCLA-4 and PD-L1 blockade in combination with HER2 blockade in advanced HER2 positive breast cancers that have progressed on prior trastuzumab-based therapy. [ANZ Breast Cancer Trials Group]	DIAMOND	Michelle Morris	Medical Services
30/01/2019	The Impact of Ethnicity on RRT outcomes within Australia.	ERRT	Tahira Scott	Medical Services

22/02/2019	A phase 3, randomised, double blind, active controlled study to compare the efficacy and safety of ridinilazole (200mg) for 10 days with vancomycin (125mg) for 10 days in the treatment of Clostridium difficile infection. [INC Research Australia]	RiCodify	David Sowden	Medical Services
27/02/2019	Effect of oral nicotinamide on non-melanoma skin cancer incidence and actinic keratoses in renal, hepatic, heart and lung transplant recipients: a randomised controlled trial.	ONTRANS	Leith Banney	Medical Services
17/01/2019	Gestational Diabetes screening in future pregnancies after a negative OGTT: a retrospective cohort study.	OGTT	Rachel Nugent Anders Faber-Swensson	Women's and Families
22/05/2019	Stopping haemorrhage with Tranexamic acid for hyperacute Onset Presentation including Mobile Stroke Units. [Collab FLORY Institute]	Stop MSU	Rohan Grimley Arash Kahrom	Medical Services
4/04/2019	An observational cross-sectional study exploring the provision of mid-meals to adult inpatients' receiving Self-Selected mid-meal service.	Self Select Meals	External + Gai Moriz	Medical Services
14/03/2019	Strength with Immersion Model (SWIM): Newly qualified midwives employed within Continuity of Care Models. [SERTF; OCNMO]	SWIM	Lauren Kearney Lisa Davenport Deyna Hopkinson	Women's and Families
14/03/2019	Does guideline-based dosing of beta lactam antibiotics and vancomycin achieve target drug concentrations more than therapeutic drug monitoring-based dosing in critically ill patients?	GUIDE Trial	Paul Williams Gareth Beall Kathryn Wilks Chris Anstey	Medical Services
5/04/2019	Child Health Nurses' perceptions of Family C.A.R.E.	Family Care	External	Women's and Families
5/04/2019	The association of major injuries in trauma patients with CT diagnosed acute rib fractures.	Trauma patients with rib fractures	David Grieve Troy Stapleton Gabrielle Savage	Surgical Services
14/03/2019	Hepatology Partnership Project.	Hepatology Partnership	James O'Beirne Kerrin Param Sarah Higgins	Medical Services
14/03/2019	Nasal High Flow Therapy for Infants with Bronchiolitis—Translating new knowledge into practice.	Bronchiolitis KT Study	Laxmi Camadoo	Women's and Families
14/03/2019	Nourish: Early Childhood Education-Phase One: engagement with Stakeholders.	Nourish: Early Childhood Education	External	Women's and Families
22/03/2019	extend-ia-tnk: Extending the time for Thrombolysis in Emergency Neurological Deficits - Intra-Arterial using intravenous Tenecteplase—a randomised controlled trial of tenecteplase versus alteplase before intra-arterial reperfusion therapy within 4.5 hours of stroke onset. [FLORY Institute]	EXTEND-IA-TNK	Rohan Grimley	Medical Services
24/06/2019	Do patients over the age of 65 in an inpatient rehabilitation unit meet the recommendations on physical activity prior to admission? A cross-sectional study.	Minimum Exercise Guidelines	Tim Buston	Medical Services
24/06/2019	Point Prevalance Program.	PPP ANZICS	Peter Garrett	Surgical Services
26/06/2019	Pilot study to investigate the use of a smartphone based interactive blood glucose management system in women with gestational diabetes mellitis.	BGM in GDM	Sophie Poulter	Medical Services
9/07/2019	Early detection of infants at risk or with cerebral palsy: Queensland clinical network.	QEDIN-CP	Lizzie Weber Rebecca Caesar	Women's and Families
9/07/2019	Erector spinae nerve block for the management of rib fractures.	ES Nerve Block	Leigh White Andrew Mitchell	Surgical Services
10/07/2019	Hospital CEO perceptions about managing institutional racism.	Managing Racism	External + Chris Bourke	Executive

15/07/2019	A randomised phase 2 study 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. [AMARC]	VCDD in Transplant ineligible myeloma	Helen Weston	Medical Services
24/07/2019	Health-e Mind Participatory and personalised mhealth platform to encourage and support healthy living behaviours for people with mental illness. [CSIRO PHN]	Health-e-Minds	Stuart Polkinghorne Lisa Gwillim Fiona Jarrett Melanie Cavanagh Rachael Usai	Mental Health
1/08/2019	Concurrent Carbogen and Nicotinamide with Radiotherapy in Muscle Invasive Bladder Cancer: A Report on Feasibility in the Australian setting.	Carbogen Feasibility	Dharman Vignarajah Myo Min Nicole Buddle Marcel Knesl	Medical Services
6/08/2019	Sarcopenia and outcomes in Intensive Care.	Sarcopenia in ICU	Patrick Joyce Ryan O'Dempsey	Surgical Services
12/08/2019	Randomised prospective trial comparing contract force and non-contract force guided catheter ablation for cavotricuspid dependent atrial flutter.	Guided Catheter Ablation	Matthew Tung	Medical Services
15/08/2019	Targeted Education Approach to Improve Peritoneal Dialysis Outcomes—Cluster Randomised Controlled Trial. [UQ]	TEACH-PD CRDT	Melissa Nataaymadja Rathika Krishnasamy	Medical Services
28/08/2019	A Phase 3 randomised placebo-controlled, double blind study for niraparib in combination with abiraterone acetate and prednisone versus abiraterone acetate and prednisone for treatment of subjects with metastatic prostate cancer. [Janssen J & J]	MAGNITUDE	Michelle Morris Peter Manders	Medical Services
11/09/2019	A Phase III, multicentre, randomised, open-label trial to evaluate efficacy and safety of ribociclib with endocrine therapy as an adjuvant treatment in patients with hormone receptor-positive HRE2-negative, early breast cancer. [Novartis]	NATALEE (Other names: CLEEO11O12301C; LEEEO11; TRIO033)	Michelle Morris Jeremy Long Mary Acer Kathleen Houston	Medical Services
4/09/2019	Protocol No X17-0199—Randomised, embedded multifactorial adaptive platform trial for community-acquired pneumonia.	REMAP-CAP	Peter Garrett	Medical Services
18/09/2019	Navigating an uncertain antimicrobial future: A sociological study.	Navigating an uncertain antimicrobial future	Jennifer Broom	Medical Services
16/09/2019	Economic and health value of final year dental student placements in Queensland.	QLD Dental Placements	Kelly McGowan	Allied Health
13/09/2019	A cluster-randomised crossover trial of buffered salt solution versus 0.9% sodium chloride as fluid therapy for patients presenting with diabetic ketoacidosis.	DKA Fluids	Peter Garrett	Surgical Services
23/09/2019	Evaluation of systematic therapies used in cancer patients at selected Queensland Public Hospitals.	Systemic Therapy for cancer patients	Julie Hasker	Medical Services
30/09/2019	Health literacy, nutrition knowledge and wellbeing in caregivers of patients with chronic kidney disease.	Health Literacy CKD	Nick Gray	Medical Services
30/09/2019	VISIBLE: early Vision Intervention for Severely Impaired Babies: Learning through Enrichment.	VISIBLE Study	Lizelle Weber	Women's and Families
7/10/2019	Listen Carefully: exploring best practice in implementing children's and young people's rights to be heard in healthcare: The Listen Carefully Project. [Starlight Children's Foundation]	The Listen Carefully Project	Graham Reeks Laxmi Camadoo	Women's and Families

7/10/2019	Pragmatic randomised trial of High Or Standard PHosphAte Targets in End-stage kidney disease—PHOSPHATE trial. [NHMRC]	PHOSPHATE Trial	Rathika Krishnasamy Melissa Nataatmadja Nick Gray Evan Noble Peter Hollett Kumar Mahaderan Jane Waugh	Medical Services
24/10/2019	Elacestrant Monotherapy vs Standard of Care for the Treatment of Patients with ER+/HER2- Advanced Breast Cancer Following CDK4/6 inhibitor Therapy: A Phase 3 Randomised, Open-Label, Active Controlled, Multicentre Trial (EMERALD).	EMERALD	Michelle Morris Kathleen Houston Mary Azer	Medical Services
5/11/2019	Statewide evaluation of the establishment of Primary Contact Hand Therapy Clinics for the management of patients with trigger finger.	Primary Contact Hand Therapy Clinics	External	Allied Health
27/11/2019	The NOURISH point prevalence study: Nutritional Outcomes of patients Undergoing Resection for upper gastrointestinal cancer in Australian Hospitals.	NOURISH PPP	Annette Heriot Sarah King Zoe Hutchinson Judith Cameron Georgina Lockwood Samantha Robertson Julie Bujold	Allied Health
29/11/2019	A Randomised, Multicentre, Phase 3 study of Nivolumab in Combination with Ipilimumab compared to Sorafenib or Lenvatinib as First Line Treatment in Participants with Advanced Hepatocellular Carcinoma: CA2099DW.	CHECKMATE 9DW	James O'Beirne Johnathon Mitchell Jeremy Long Peter Manders Bryan Chan	Medical Services
20/12/2019	Paediatric Sepsis Breakthrough Collaborative: Improving Outcomes for Children with Sepsis In Queensland—an observational study to measure the quality improvement within the collaborative.	AMS in SEPSIS	Paula Lister Kayla Doyle	Surgical Services
6/12/2019	Health Professionals knowledge and attitudes on alcohol consumption during pregnancy and the Fetal Alcohol Spectrum Disorder.	Attitudes Regarding FASD	Samantha Williams Heidi Webster	Medical Services
9/12/2019	A retrospective, observational study of intra-operative hypotension in elderly patients in Queensland.	Intra-Operative Hypotension in the Elderly	Anna Pietzsch Rochelle Ryan	Surgical Services
16/12/2019	Nocardiosis in Queensland: Epidemiology, Microbiology, Treatment and Outcomes.	Nocardiosis Project	Keat Choong Nadine Abov Eisha	Medical Services
17/12/2019	Laparoscopic appendectomy versus antibiotics for radiologically confirmed acute uncomplicated appendicitis: a multi-centre pilot trial.	PLAPPY STUDY	Louise Waterhouse David Grieve	Surgical Services
20/12/2019	A Phase 3, Multi arm, Multi stage, Covariate-Adjusted, Response-Adaptive Randomised Trial to Determine Optimal Early Mobility Training after Stroke (AVERT DOSE).	AVERT DOSE	Ingrid Rosbergen Rohan Grimley	Allied Health
26/12/2019	Penicillin allergy de-labelling at the front door—pharmacist-led implementation at Sunshine Coast University Hospital.	Penicillin allergy de-labelling	Kate Bennett Kathryn Wilks Patricia Kilfoyle Sarah Kingscote Sharon Young	Allied Health



Australians Together HHealth INitiAtive ATHENA Project

The ATHENA Project seeks to address two major unmet needs of healthcare.

*Principal investigator; Prof Kim Greaves Cardiology Unit.
Affiliations: GU, UQ, ANU, USC.*

1. Healthcare data linkage

Integrated care is emerging as a cornerstone for strategic planning for health services and population health research. The development of a means of information sharing between primary and secondary care providers is fundamental to achieving this goal.

The linkage of healthcare data between primary and secondary care is essential for effective healthcare delivery and provides the 'right service for patients at the right time'. Such healthcare data linkage would:

- facilitate health service planning and improve the patient journey
- highlight areas of need or inequality within patient populations or across geographic regions
- allow targeted interventions
- enable health services to take pre-emptive actions (rather than reactive) such as preventing unnecessary hospitalisations and recurrent emergency department presentations
- monitor and detect barriers to uptake of best practice patterns of care by healthcare providers
- enrich population health knowledge.

2. Efficient patient identification for participation in clinical trials

The clinical trials market is projected to be \$69 billion by 2026. Australia is ranked third globally behind the USA and UK for clinical trial density. The Department of Health (Commonwealth) has made it a priority to improve the quantity and quality of clinical trials in Australia to:



- improve health outcomes
- contribute to the innovation economy.

Presently, the extended time and substantial expense incurred recruiting participants for clinical trials is significant (30 per cent of the total cost of a trial), and is becoming an ongoing barrier to the expansion of clinical trials in Australia by both researchers and pharmaceutical sponsors. A means by which we could have rapid access to suitable numbers of participants would allow clinical trials to flourish in Australia.

The unique position of Queensland Health

We are in a unique position nationally and globally to achieve both these goals. Queensland Health (QH) has recently implemented GP Smart Referrals (GPSR—a state-wide system that allows GPs to electronically refer patients to public hospitals) and the integrated electronic Medical Record (ieMR); therefore, the IT infrastructure is in place to allow state-wide data linkage between primary and secondary care. This is not available anywhere else in Australia, and in very few places internationally.

Proof-of-concept study

The 'Primary and Secondary Care Data Linkage and Integration and Routine Dynamic Consent for Rapid Clinical Trials Access in a General Practice Population proof-of concept project' (short title: GP Data Linkage and ReDy Consent Project) was undertaken at the health service, funded by Queensland Health, Central Queensland, Wide Bay and Sunshine Coast Primary Health Network, and the

health service. The proof-of-concept project began in 2017 and was completed in June 2019.

Proof-of-concept study outcomes (2019)

- Eighty-one per cent of participants gave consent for the release of their identifiable health data from general practice, and linkage to secondary care data and storage within Queensland Health.
- Seventy-eight per cent gave consent for re-contact to discuss potential participation in health-related research.
- The project was able to safely and securely extract and transfer data from primary to secondary care, into a Queensland Health-Sunshine Coast Hospital and Health Service database.
- Successfully tested the recruitment utility of the database for clinical trial recruitment.

Next Steps

The next phase of the study involves a multi-faceted recruitment approach for participant recruitment including:

- development and utilisation of a Dynamic Consent Platform for participant recruitment from within both general practices and health service hospitals
- consent from participants attending either their GP or a health service facility to allow with consent, linkage of their identifiable primary health data with secondary care data, and additional permission for re-contact for potential participation in clinical trials
- engagement of an extended number of participant GP practices within the health service's geographical area.



For more information watch Kim's interview with Shanny Dyer from ARCS (Sept 19) on [Youtube click here](#)

Sunshine Coast Health Institute (SCHI)

Sunshine Coast Health Institute (SCHI) is a joint venture collaborative partnership between the health service, University of the Sunshine Coast (USC), TAFE Queensland (TAFE) and Griffith University (GU).

SCHI is a dedicated education, training, and research facility, contributing to the health service's vision of 'Health and wellbeing through exceptional care'. SCHI plays a vital role in training the next generation of staff, fostering innovation, and maintaining a culture of ongoing clinical audit, redesign, and clinical practice improvement to support excellence in the delivery of care. In 2020, SCHI will increase its offering to researchers through the delivery of a monthly researcher seminar series. Details of speakers and topics can be found on the SCHI website or through the Research Office (SC-Research-Support@health.qld.gov.au).

www.schealthinstitute.com.au



SCHI's strategic goals are:

- Innovation and excellence in professional, inter-professional, and inter-sectoral education, training and workforce development.
- Excellence in health and educational research that addresses the challenges and opportunities of the region and beyond.
- Provide leadership in innovative models of evidence-based health care and population health.
- Invest in authentic stakeholder engagement.



SCHI research facilities

The state-of-the-art SCHI research spaces are flexible spaces available to members for health-related research activities. They include a suite of Physical Containment Level 2 (PC2) laboratories and a clinical trials office space.

Laboratories

Located on the first floor of the Lakeside Building, there are three research laboratories, accredited to PC2, intended for medium to long-term research projects. With dedicated tissue culture, cold storage and sample preparation space, the research laboratories have been designed and fitted out to meet the community's current and future research needs. Necessary infrastructure and equipment are supplied by the institute and is centrally maintained. For all enquiries relating to the research

laboratories at SCHI please email: SC-SCUH-SCHI-Research-Laboratory-Manager@health.qld.gov.au

SCHI clusters of research excellence

SCHI researchers have aligned into five clusters of research excellence, each led by a designated USC member:

- practice education in health
- infectious diseases and antimicrobial resistance
- healthy ageing: primary and secondary prevention
- maternal and child health
- optimising health service delivery and management.



Infectious Diseases and Antimicrobial Resistance

[Link to BIO](#)



2019 Lead: Assoc Prof Erin Price

The Infectious Diseases and Antimicrobial Resistance cluster at SCHI is focused on biomedical research into all aspects of human infectious diseases. The cluster has several broad themes that represent our research strengths:

- Better understand the presence, origin, and transmission of infectious diseases and their antimicrobial resistance
- Enhancement of antimicrobial stewardship measures
- Characterisation of chronic infectious diseases
- Optimise pharmacodynamics for combating antimicrobial resistance infections.

Healthy Ageing; Primary and Secondary Prevention

[Link to BIO](#)



2019 Lead: Dr Chris Askew

Healthy Ageing is the process of developing and maintaining the functional ability that enables well-being in older age. The vision of the SCHI Healthy Ageing Research Cluster is to enhance function and wellbeing through innovative research that leads to better detection, prevention, and management of chronic and age-related conditions.

We place a strong emphasis on multidisciplinary approaches that are solutions-focused and that advance all aspects of human function, namely biological function (including organ function), physical function, cognitive function, and social function.



2019 Lead: Prof Jeanine Young

Maternal and child health research is currently focused on two key areas:

- optimal peri-partum care
- the first 1000 days.

The primary aim being to improve health outcomes for newborn infants, young children and their families. Our translation objectives are:

SCHI
Research
Cluster

Excellence

CHI Research Clusters



Practice Education in Health

[Link to BIO](#)

2019 Lead: Prof Fiona Bogossian

This research theme recognises that quality education for clinical and non-clinical practice roles is the foundation for the provision of optimal health care for patients/clients/families and communities. Practice education in health research can shape health systems and is advanced by three enquiry sub-themes:

- interprofessional education and collaborative practice
- workforce and career development pathways
- education technology.



Optimising Health Service Efficiency

[Link to BIO](#)

2019 Lead: Assoc Prof Jo Wu

The vision of this research cluster is to improve the health of communities by undertaking good quality collaborative research that will inform the optimising of efficient health services, through:

- reviewing current key research activities, including staff capacities
- building research collaboration capacity
- enabling and enhancing research quality.

There are currently four key areas of collaborations identified:

- end of life shared decision making
- state-wide evaluation Geriatric Emergency Department Intervention (GEDI) program
- building and supporting a productive collaborative health research culture
- incorporating Telehealth to support healthcare deliveries.

Maternal and Child Health

[Link to BIO](#)

1. the promotion of healthy pregnancy and normal birth
2. early identification of infants, children, and families with identifiable risk factors who receive timely, effective care to facilitate optimal outcomes.

*Lauren Kearney and Rachel Nugent are now leading this cluster in 2020.



SCHI

membership

In addition to the interactions and benefits that stem from being part of an active local research community, the key benefits for SCHI member researchers are access to SCHI facilities—including PC2 laboratories, clinical trials space and office areas and access to internal grant schemes.

Membership is granted through an application process which requires demonstration of an active research track record and engagement status with one of the four SCHI partner institutions. Further information about the application process is available by contacting SC-SCUH-SCHI-Research-Laboratory-Manager@health.qld.gov.au

Get to know some of our SCHI researchers



Professor Robert Harvey

Chair in Pathophysiology and Discipline Lead, Biomedical Science School of Health and Science, University of the Sunshine Coast.

Professor Robert Harvey specialises in cell biology, neuroscience and molecular genetics. His research career has focused on the biological roles of synaptic receptors, transporters, and accessory proteins in health and disease using animal and cellular models, genetics, next-generation DNA sequencing, and molecular modelling. His

work on the biological and therapeutic roles of glycine receptors has revealed key roles for different receptor subtypes in movement disorders, cortical neuronal migration, inflammatory pain sensitisation, and rhythmic breathing. At SCHI, he aims to investigate the molecular pathology of defects in inhibitory and excitatory synapses in individuals with autism, intellectual disability and epilepsy (funded by the NHMRC). Prof Harvey aims to translate basic science discoveries into clinical applications, such as improved genetic diagnostics, patient care, and novel pharmacotherapies.



Associate Professor Erin Price

Advance Queensland Senior Research Fellow, University of the Sunshine Coast

Associate Professor Erin Price is a microbiologist, molecular geneticist and co-lead of the Pathogen-Omics lab team at USC. A/Prof Price is also the Infectious Diseases and Antimicrobial Resistance Cluster leader at SCHI. The Pathogen-Omics lab investigates the transmission, antibiotic resistance potential, prevalence, and evolution of microbial pathogens affecting humans, with a focus on pathogens associated with chronic respiratory diseases. A/Prof Price has a keen interest in applying microbial genomics and transcriptomics to better understand, diagnose, and treat infectious diseases. She has extensive experience using comparative genomics

to develop inexpensive, sensitive, and accurate real-time PCR diagnostic assays to target important microbes and their antimicrobial resistance potential. Her current studies include using metagenomics and metatranscriptomics to characterise the airway microbiome of people with chronic obstructive pulmonary disease, with a view to improving the diagnosis and treatment of infections that drive disease, and identifying the causes of secondary bacterial/fungal pneumonia and immune dysregulation in COVID-19 patients (the CoViBac study) in collaboration with clinical partners at Sunshine Coast University Hospital. A/Prof Price has previously held post-doctoral research positions in Arizona and Darwin investigating the population biology, antimicrobial resistance, and evolution of high-threat bacterial pathogens.

Clinical trials

There were more than 60 commercially sponsored or collaborative group clinical trials forming part of the 260 research projects active across the health service in 2019. Our oncology department led the way with 25 of those trials benefiting our local cancer patients.

Why clinical trials are important

Participation in clinical trials by health service clinicians has benefits for our patients, researchers and the health service:

Patient benefits Our patients can benefit by being participants in the short term from the intervention being trialled, and in the long term, they and the entire community benefit from the knowledge they help to generate.

Researcher benefits Our participation in trials helps provide the level of evidence needed by researchers to reliably inform clinical practice and/or healthcare policy and makes a substantial contribution to global knowledge. Our clinicians and patients also provide valuable feedback and insights to researchers about the practicalities of clinical and other service provision experiences involved with a particular course of treatment.

Health service benefits Our health service benefits both from the direct cost avoidance of therapeutic products provided free by commercial sponsors, which can amount to thousands of dollars for a single participant depending on the trial intervention, and the enhanced status of the service in the local community through its ability to offer patients access to cutting edge therapies and interventions that could further optimise their care or provide treatment options when all conventional therapies have been exhausted.

Commercially sponsored clinical activity

Commercially sponsored trials are funded by the pharmaceutical companies that own the novel treatments or therapies that are being tested against our usual care options. In 2019, there were 25 approved commercially sponsored clinical trials that were active across the health service. Eight of these were newly authorised trials.

Commercial sponsors include well-known global industry names such as Bayer, Bristol Myers Squibb, Roche, Novartis, Janessen-Cilag (owned by Johnson and Johnson) and Pfizer in addition to a range of other research entities at the forefront of medical research.

Health service department	Commercially sponsored clinical trial
Oncology	13
Renal	6
Cardiology	2
Hepatology	2
Allied Health	1
Infectious Diseases	1
TOTAL	25



The World Health Organisation's definition of a clinical trial is 'any research study that prospectively assigns human participants or groups of humans to one or more health-related interventions to evaluate the effects on health outcomes'.

Clinical trials cont.



Collaborative clinical trial activity

Collaborative clinical trial groups (also known as clinical trials networks) are formed by large communities of clinical researchers with a common interest in advancing the evidence base for a particular area of clinical practice. In 2019, health service clinicians were representing our health service and providing our patients with access to new treatments in 37 different collaborative clinical trials, including five trials through the ANZ Breast Cancer Trials Group and two each through the Australasian Gastro-Intestinal Trials Group and George Institute for Global Health. Other collaborative trial leads included Monash University, University of Sydney, The University of Queensland, Mater Research, the Trans-Tasman Radiation Oncology Group and the Australasian Leukaemia and Lymphoma Group.

SCHHS Department	Collaborative Clinical Trial
Oncology	12
Renal	4
Stroke/geriatrics	4
Intensive care	3
Surgical	3
Cardiology	2
Gastroenterology	2
Hepatology	2
Dermatology	1
Endocrinology and diabetes	1
Neurology	1
Paediatric	1
Respiratory	1
TOTAL	37



Attracting clinical trials to the health service

Clinical trial sponsors (commercial or collaborative groups) select the health service to take part in their specific trial protocols based on our ability to provide the professional execution of rigorous trial protocols and effectively manage the additional workload associated with participant identification, screening, recruitment, treatment, monitoring and follow up in compliance with the extensive National standards and procedures governing the participation of humans in clinical trials. The support of our clinical trials pharmacist, the team in Medical Imaging and access to the great research facilities

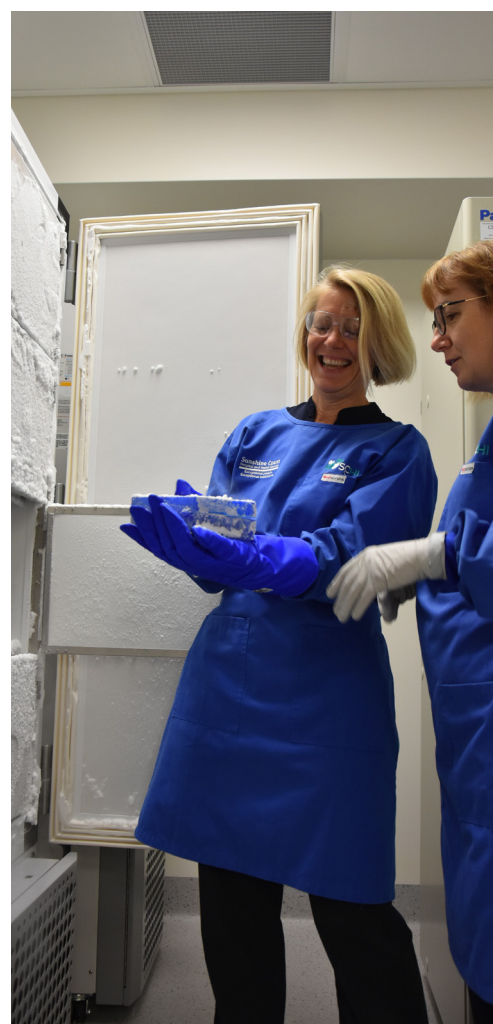
offered by the SCHI laboratory space allocated to the health service for use by our clinical research nurses to prepare participant samples all make our participation in clinical trials possible. We should be especially proud of our clinicians and their support teams (clinical research coordinators, nurses and administration support) for meeting the required performance and governance standards and being able to offer some of the latest advanced treatment options to our Sunshine Coast and Gympie population.

Celebrating our clinical trial principal investigators

Clinical trials would not be possible without the additional workload undertaken by our trial principal investigators and their support teams. Principal investigators take responsibility for the delivery of clinical trials at the health

service and we wanted to take this opportunity on behalf of our patients, Sunshine Coast residents and the greater research community to thank them for all their efforts.

Health service department	60 Trials	Commercial or collaborative clinical trial principal investigator	#
Oncology	25	Michelle Morris Jeremy Long Alessandra Francesconi Marcel Knesl Anthony Powell Bryan Chan Helen Weston Kathleen Houston Kathryn Jackson Manjunath Narayana Mary Azer	8 5 3 2 1 1 1 1 1 1 1 1
Renal	10	Nicholas Gray Melissa Nataatmadja	9 1
Cardiology	4	Kim Greaves/Tony Stanton Matthew Marrinan Naresh Dayananda Rohan Poulter	1 1 1 1
Hepatology	4	James O'Beirne	4
Stroke/geriatrics	4	Rohan Grimley	4
Intensive care	2	Kate McCleary Paul Williams Vikram Masurkar	1 1 1
Surgical	2	Michael Donovan	3
Gastroenterology	2	Lauren White	2
Allied health	1	Ingrid Rosbergen	1
Dermatology	1	Leith Banney	1
Endocrinology and diabetes	1	Sophie Poulter	1
Infectious diseases	1	David Sowden	1
Neurology	1	Benjamin Tsang	1
Paediatric	1	Lizelle Weber	1
Respiratory	1	Michael Bint	1



Celebrating our clinical trial support resources

Participant clinical research rooms in 2A at Sunshine Coast University Hospital contain a bed/trolley, recliner, calibrated certified diagnostic equipment, ensuite bathroom and a networked desktop including a workstation on wheels and can be booked by contacting the Clinical Research Nurse Unit Manager on: 07 5202 3059.

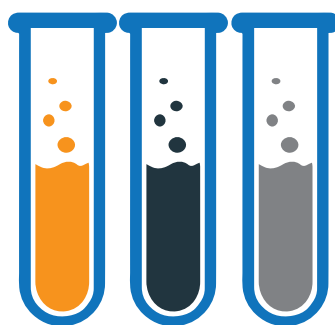
There are a number of dedicated clinical trials resources throughout our clinical service divisions. One such group is based within the Clinical Research Unit, located on level 2A at Sunshine Coast University Hospital opposite Dental Reception with access restricted to designated clinical research staff. The unit comprises of consultation rooms that have been laid out especially with clinical trial visits in mind. If required, Principal Investigators can use the space to make participants comfortable in their own room in preparation for their appointment with the trial clinician in a quiet, private area where they can have all their trial-related procedures completed.

If you require Good Clinical Practice certification, contact the Clinical Research Unit for help in locating an appropriate training option.

The Clinical Research Unit is staffed by a group of experienced nurses and support staff who are skilled in clinical trials and are all trained in Good Clinical Practice (GCP), a required certification for all clinical trial researchers. The team are experienced in managing clinical trials across various medical disciplines and are

available to provide advice and support to all new and existing researchers contemplating the participation of their patients in a clinical trial. Each trial is assigned a Lead Coordinator that works closely with the Principal Investigator to fulfil the requirements of the trial. The capabilities of the Clinical Research team include full management of the logistics of the clinical trial, liaison with external sponsors or collaborative network representatives, negotiation of contracts, budget completion, clinical care of participants, the booking of participant appointments and arranging parking reimbursement, trial-related document management and security, data entry, laboratory specimen handling and the hosting of site feasibility inspections, and all external monitoring and auditing visits.

Clinical trials are not restricted to Sunshine Coast University Hospital. Trials are also being managed at Caloundra Health Service, Gympie Hospital and Nambour General Hospital. If you are considering an offer to be the health service principal investigator for a trial that would be suitable for any of our sites, please talk to our Clinical Research Nurse Unit Manager, Helen Rodgers, about what support may be available for you and your department.



The clinical research team is easily identified by their dark blue clinical research shirts and clinical research branding.





Walk in my Shoes Program 2020

In 2020, the Clinical Research Unit will offer health service nursing staff the opportunity to experience a day in the life of a trials nurse via a professional development and learning program called "Walk in My Shoes".

This program is designed to give nursing staff interested in branching out into supporting clinical research or clinical trials a taste of what is involved.

The program covers key stakeholders, ethics, governance, GCP certification and the role of the study coordinator. Sessions are conducted each month with up to two nurses at a time by the Clinical Research NUM. If you are interested in learning more about the program, please contact SC-Clinicaltrials@health.qld.gov.au



Sunshine Coast Hospital and Health Service Research Day 2019

The annual Research Day was held on 7 November 2019 in the SCHI auditorium. A total of 159 staff and students from health service and SCHI partners attended the Research Day enjoying a diverse range of research topics across 34 presentations.

This year was highlighted with a discussion from panel members and the audience with the theme: “Our vision for research: Reaching for the SCHI”. The panel consisted of Professor Allan Cripps and Professor Nigel McMillan from Griffith University, Professor Vicki Sara, Chair SCHI Executive, Professor Rob Harvey, Professor Marion Gray and Professor Marianne Wallis from the University of the



Nina Meloncelli receiving award for best oral presentation from Dr Lorraine Ferguson AM, Sunshine Coast Hospital and Health Board Chair.



Sunshine Coast (USC), and health service experienced researchers Associate Professor Nicholas Gray and Associate Professor Jennifer Broom. The discussion was positive and demonstrated strong support from our SCHI partners towards research and researchers within our community. Researchers in the audience interacted with the panel and several important issues were raised for discussion including: The challenges of balancing the practicalities of research in practice, securing research time, budgets, and the need to drive innovation and generate new ideas.

The day consisted of a variety of presentations from our most experienced researchers, emerging researchers, novice researchers and junior doctor nominees for the Coverdale Anstey Young Investigator Prize (CAYIP). The lunchtime session highlighted a newly formed group, Research Higher Degree (RHD) student forum, who presented their thesis in three minutes. The RHD student forum aims to provide support, mentorship, collaboration and network opportunities for researchers in the health service and SCHI community. Researchers from USC also took part in three-minute thesis presentations on some of their current research projects.

The Sunshine Coast Health foundation, Wishlist Chief Executive Officer Lisa Rowe and Adjunct Professor Deborah Bailey, Acting Executive Director Medical Services and Chair of the Study Education Research Trust Fund (SERTF), demonstrated their ongoing support for research by presenting the 2019 Wishlist-SERTF Collaborative Research grants to 12 outstanding researchers (more detail can be found in our Wishlist report).

Dr Lorraine Ferguson AM, Sunshine Coast Hospital and Health Board Chair, presented the award for Best Oral presentation, which was sponsored by QSuper and BUPA and open to novice and emerging research presenters only. Congratulations to Nina Meloncelli, the winner of this award.



2019 Wishlist/SERTF research grant recipients being announced on Research Day by Adjunct Professor Deborah Bailey, Acting Executive Director Medical Services.

Nina presented in the emerging researcher session on, “How has changing the diagnostic criteria for gestational diabetes impacted perinatal outcomes in Queensland?” The Coverdale-Anstey Young Investigator Prize (CAYIP), sponsored by the Sunshine Coast Junior Doctors Society (SCJDS), was awarded to Dr Nathan Hearn on “Improving outcomes in locally advanced rectal cancer patients with intensified neoadjuvant radiotherapy”. Dr Hearn received this award at Grand Rounds on 11 November 2019 (for more detail see CAYIP report).

The Research Day evaluation survey (response rate 26 per cent) indicated that attendees considered the quality and variety of presentations to be of an excellent standard. Many respondents commented on a preference for

sessions to be consolidated to avoid large breaks in the day and for more regular question opportunities. Positive feedback related to the benefits of understanding the SCHI research community, the services available and the research projects currently happening within the health service.

Overall, the 2019 Research Day was a key event showcasing the quality research activities being undertaken by our staff and SCHI partners. The event reflects our developing relationships with SCHI partners and demonstrates our combined commitment to building a strong research culture, sustainable research communities and ultimately obtaining better health outcomes for our community.



Supporting research: Wishlist and SERTF in 2019

Wishlist

In addition to the many activities as part of Wishlist's \$1 million commitment to Sunshine Coast health services, Wishlist specifically supports research by offering an annual research grant round open to all health service staff and their collaborators. Since 2009, \$1.76 million has been directed by Wishlist to local research projects.

In 2019, we saw the first Wishlist-SERTF Collaborative Research Grant Round which resulted in \$363,355 being directed to 13 health service projects, including experienced, early career and novice researcher support categories. The Wishlist team would like to make special mention of their Research Committee panellist Professor Emeritus Alan Mackay-Sim of Griffith University, and Committee Chair Dr Claudia Giurgiuman from Wesley Research Institute for the time dedicated to reviewing the 2019 applications.

In 2019 Wishlist engaged with corporate and community supporters to fundraise for research, something previously not attempted by the not-for-profit organisation, and with truly impressive results. Hundreds of locals invested in these grants and were excited about the potential outcomes of the new Wishlist Research Grant Round.

"As the local hospital foundation, it is our intention to grow our research investment in the future," Wishlist Chief Executive Officer Lisa Rowe said.

"We strongly believe that it is our role to help foster and develop the research culture of the Sunshine Coast Hospital and Health Service, and we have invested significantly in doing so."

The objectives of the Wishlist Research Grants are to enhance health outcomes by financially supporting research, encourage novice and early career researchers in developing a research career, support experienced researchers to become active leaders in research in their field, promote a positive research culture that translates



SUNSHINE COAST HEALTH FOUNDATION

into improvements in health care and promote innovative health care through identifying and implementing evidence-based practices and developing an ongoing culture of learning.

Other Wishlist funding opportunities:

Wishlist additionally offers Project and Equipment Funding to support capital projects, new and upgraded medical equipment, service development and support projects. Health service staff can also apply to Wishlist for staff scholarships offered quarterly for educational objectives. This includes relevant professional conferences, seminars and workshops and one academic round each for post and under-graduate studies.

For more information or to apply visit wishlist.org.au

Research within Wishlist Solace Centre:

Wishlist is embarking on a new era of research within the Wishlist Solace Centre due for completion by December 2022. The multi-million dollar project opposite the Sunshine Coast University Hospital will offer hospital accommodation, a health support hub and research component. Wishlist Solace Centre will underpin the vibrant and expanding health research community.

Thanks to a \$12 million Australian Government Community Health and Hospital Program grant, work is to commence on the Wishlist Solace Centre in 2021.

SERTF

The Sunshine Coast Hospital and Health Service Study, Education, Research Trust Fund (SERTF) scheme is a long-standing initiative that exists to provide support for health service staff to engage in study, education and research for the purposes of professional development above and beyond mandatory and requisite training requirements, in alignment with the strategic priorities of the organisation.

The scheme is administered through the SERTF Committee which assess the applications and approve the allocation of funds. SERTF contributes to realising the health service's strategic purpose: "Provide high quality health care in collaboration with our communities and partners, enhanced through education and research" and an organisational culture of learning driven by a commitment to a person-centred education and training model as per the health service's Education and Training Strategy 2019-2023.

SERTF supports the development of knowledge through research, to contribute to regional, national and international improvements in evidence-based practice and the mentoring and education of the next generations of staff that fosters local research capability, as per the health service's Research Strategic Plan 2016-2021.

The SERTF scheme aims to achieve the following objectives:

- To support individual study, enable education, and fund research, to deliver better health outcomes for the community.
- Contribute to balancing out access to professional development across streams within the organisation and maximising the amount of quality professional

development in the health service especially for those who do not receive any dedicated financial allowance for this purpose;

- Invest in 'our people' by supporting employees to undertake study, education or research, inspiring a workplace where staff thrive and know they are valued, leading to an increase in staff and knowledge base retention.
- Grow research and education capability through contributing to an organisational culture of continuous learning and promoting sustainability in these areas.

Combined Wishlist/SERTF Research Project Funding

In 2019, for the first time, Wishlist and SERTF combined their research project application rounds and worked together to assess and approve the funding of suitable research projects from health service staff. The table on the following page gives a summary of the 2019 successful applicants, many of whom were available on Research Day to celebrate together the receipt of their funding. The combined Wishlist-SERTF research project funding round will continue in 2020.



2019 Wishlist/SERTF research grant recipients with Lisa Rowe, Clinical Lead and Adjunct Professor Deborah Bailey, Acting Executive Director Medical Services.

2019 Wishlist-SERTF Grant Recipients:

Applicant/Department	Project title	Funding
Experienced		
A/Prof Nicholas Gray Renal	Social justice and antimicrobial resistance: A sociological study of vulnerability	\$50,000
Dr Rohan Grimley Stroke	An epidemiological study of emergency department presentation for falls by older people in a regional hospital	\$12,597
Dr Paula Lister Paediatric Critical Care	Early Resuscitation in Paediatric Sepsis Using Inotropes and Metabolic Support — a randomised controlled pilot study Platform.	\$44,075
Dr Paula Lister Paediatric Critical Care	PIMS Study: An investigation of the utility of MICROSAMPLING VERSUS TRADITIONAL BLOOD SAMPLING FOR ANTIBIOTIC PHARMACOKINETICS in Children	\$39,824
Prof Tony Stanton Cardiology	Coronary Artery calcium score: Use to Guide management of Hereditary Coronary Artery Disease – (CAUGHT-CAD)	\$47,900
Early Career		
Dr Timothy Baird Respiratory	Using metagenomics to improve diagnosis of chronic obstructive pulmonary disease (COPD) pulmonary infections	\$20,000
Dr Michelle Davison Emergency Medicine	BUCKLED: Bedside Ultrasound Conducted in Kids with distal upper Limb fractures in the Emergency Department. A randomised controlled trial.	\$19,992
Dr Jessica Hambly Pharmacy	Therapeutic Drug Monitoring of 24-hour beta-lactam antimicrobial infusions in elastomeric pump devices	\$20,000
Dr Lauren Kearney Womens and Family	Promoting and facilitating spontaneous vaginal birth in nulliparous women at full term: systematic review, predictive cohort study and development of an evidence-based bundle of care.	\$49,881
Dr Ingrid Rosbergen Stroke	The efficacy of home-based telerehabilitation compared with centre-based community rehabilitation on time spent physically active in people with stroke: a pilot randomised controlled trial	\$19,538
Dr Clare Thomas Paediatrics	Paediatric education and assessment for non-urgent transfers (PEANUT): Evaluation of the PEANUT project	\$19,724
Early Career		
Ms Amber Jenkins Maternity	Mindfulness-Based Group interventions for mental health concerns in the antenatal period: A mixed methods study	\$9,823
Dr Rochelle Ryan Anaesthetics	Does cefazolin and metronidazole prophylaxis during elective colorectal surgery achieve therapeutic concentrations in plasma and adipose tissue?	\$10,000

Coverdale-Anstey Young Investigator Prize

In 2019, the Sunshine Coast Junior Doctor Society (SCJDS) was excited to offer the third annual Coverdale-Anstey Young Investigator Prize to Dr Nathan Hearn. This award is the only annual award available to support novice researchers within the health service and is a way to recognise the critical role of research in the training and development of junior medical officers.

As part of the 2019 Research Day, Dr Hearn presented his research on improving outcomes in locally advanced rectal cancer patients with intensified neoadjuvant radiotherapy. This work included a systematic review and meta-analysis, which informed the development of a prospective study protocol. Alongside working in radiation oncology at Sunshine Coast University Hospital, Dr Hearn is currently completing his PhD at the Thompson Institute (USC), evaluating novel applications of magnetic resonance imaging in radiation oncology. He has previously undertaken research of neurodegenerative conditions at the Queensland Brain Institute and CSIRO, and is more broadly interested in quantitative applications of medical imaging data to improve healthcare outcomes. The Coverdale-Anstey Young Investigator Prize money will go towards supporting his ongoing PhD work.



Dr Nathan Hearn with Dr Chris Anstey after receiving the 2019 Award.

The monetary prize of \$1000 is open to all medical students, interns, junior doctors, registrars and fellows who are currently employed within the health service or are in a current clinical placement within the region. Please contact the SCJDS for information regarding the 2020 Coverdale-Anstey Young Investigator award round.



Surgical Services Group General Manager 2019 Annual Research Report

The Surgical Services Group has been proactive and generated significant research activity, demonstrating appreciable growth during 2019. Throughout this time, 70 studies were active, in follow-up, or undergoing preparation for site specific approval throughout the year.

The service group contributes to multiple state, national and international clinical registries, which in turn support local research and collaborative research. These registries include the:

- Bi-National Colorectal Cancer Audit (BCCA)
- Australia Spleen Registry
- Queensland Audit of Surgical Mortality (QASM)
- Australian Trauma Registry
- ANZTADC Anaesthetic Incident Reporting System (WebAIRS)
- Queensland Anaesthetic Benchmarking System – Obstetrics
- Electronic Persistent Pain Outcomes Collaboration (ePPOC)
- Australia and New Zealand Hip Fracture Registry (ANZHFR)
- Australian Orthopaedic Association National Joint Replacement Registry
- (AOANJRR) Patient Reported Outcomes (PROMs) Project
- ANZICS CORE data.

Some of the research activity that has been generated is included below.

Dr Guy Godsall developed the Queensland Anaesthetic Benchmarking System which continues to be implemented across Queensland. This is a data collection tool aiming to achieve clinical practice improvement by monitoring and measuring performance against agreed standards to identify process deficiencies and reduce clinical risk.

New collaborations were formed with academic partners, including between the Department of General Surgery and the University of Newcastle Colorectal Surgical Group; and the Department of Vascular Surgery and the James Cook

University's Queensland Research Centre for Peripheral Vascular Disease. Collaboration continues between the Department of Anaesthesia and Perioperative Medicine and the Centre of Research Excellence in Redefining Antimicrobial Use to Reduce Resistance, The University of Queensland.

Surgical Services Group engaged in research development and operations more broadly across the health service through representation at the:

- Research Committee
- Research Operations Group
- Research Governance Development Working Group
- General Surgery Junior Doctors Group
- Surgical Services Group Clinical Advisory Group
- Surgical Services Group Safe Care committee
- Research and Clinical Trials Nursing Group (ReaCT).

During 2019, Surgical Services researchers undertook collaborations with, or provided research activity support to other service groups and departments, including:

- Dermatology
- Endocrinology
- Infectious Diseases and Antimicrobial Stewardship
- Gastroenterology
- Hepatitis Services
- Gerontology
- Palliative care
- Patient Safety and Quality
- Radiology
- Women's and Families Services.

2019 marks 10 consecutive years of the Department of General Surgery's success for submission of abstracts to the Royal Australasian College of Surgeons (RACS) Annual Scientific Congress, this year held in Bangkok.

The Vascular Surgery team in 2019 (Jill O'Donnell, Rebecca Magee, Pankaj Jha and Daniel McGlade) forms part of the VasoActive research group, which brings together clinicians, academics and researchers in cardiac and vascular health from across the health service, SCHI, USC, and other external partners. Their work relies heavily on the contributions of university partners (A/Professor Chris Askew and A/Professor Fraser Russell) and postgraduate research students. Over the past year, there have been eight PhD students directly involved in studies across the areas of cardiac and vascular health.

Dr Rochelle Ryan presented her research findings in the Gilbert Brown Prize Session at the Australian and New Zealand College of Anaesthetists (ANZCA) Annual Scientific Meeting and was awarded a Wishlist and Study Education Research Trust Fund Collaborative Research Grant. Dr Anna Pietzsch presented at the ANZCA Combined Special Interest Group Meeting. Dr Nicola Beauchamp achieved the recruitment target for the multicentre 'Perioperative Administration of Dexamethasone and Infection' (PADDI) trial. Dr Alex Grosso published 'Ultrasound-guided erector spinae plane block' in Australasian Anaesthesia.

Four Surgical Services perioperative nurses successfully submitted abstracts and presented at the 2019 ACORN Queensland Biennial Conference in Townsville in May.

There was a significant increase in enquiries from nursing and allied health staff and junior medical officers interested in furthering their research skills and developing research proposals for academic coursework, with rewarding results.

There are four new or continuing PhD students across Surgical Services in 2019:

- Chris Anstey
- Rochelle Ryan
- Suzanne Ryan
- Paul Williams.

Dr Rochelle Ryan, Dr Chris Anstey and Paul Williams were pivotal in the development of the health service's Research Higher Degree Student Committee which aims to support and encourage research students within our health service.



Anaesthetics team.

Cardiology

Research contact:

Prof Kim Greaves

kim.greaves@health.qld.gov.au

Active
research staff

7

Publications

8

Conference
presentations

N/A

External
research funding
involvement

\$7m

Wishlist-SERTF research grants

\$188^k

Research interests

Stanton

Ongoing recruitment for two multi-site investigator led clinical trials:

1. CAUGHT-CAD—investigating the use of CT calcium scoring for CVS risk assessment.
2. SYNERGY II—investigating the use pre and post-biotics on myocardial function in chronic kidney disease.

Greaves

1. Dynamic Consent platform development for Queensland Heath: two communication between researchers and patients for consent.
2. ATHENA COVID-19: looking at the predictors of outcomes in patients who have had COVID19 in Queensland.
3. ATHENA: linkage of primary and secondary care data with registry data across Queensland.
4. Primary Prevention of Cardiovascular Disease.
5. Factors affecting myocardial blood flow.

Future research plans/ interests

- Continue to complete current projects as listed above.
- Obtain funding for pilot study for ATHENA to test on Sunshine Coast region.
- Develop expertise, expand collaborations and increase profile in area of CVD prevention and population health including new surveillance systems, risk profiling, including calcium scoring and genomics.
- Support local investigators especially in their access to health service patients for research.

Research Higher Degree students

- Grace Young (PhD) with Chris Askew
- Kim Greaves (Masters)

Internal research grants

SERTF (\$50,000); Primary and Secondary Care Data Linkage and Integration Project and the Routine Dynamic Consent for Rapid Clinical Trials Access Project; **Kim Greaves**

Wishlist (\$47,900): Coronary Artery calcium score: Use to Guide management of Hereditary Coronary Artery Disease (CAUGHT-CAD); **Tony Stanton**

SERTF (\$40,000): Synbiotics: Erasing renal failure by improving gut microbiology II (Synergy II); **Tony Stanton**

Wishlist (\$50,000); Synergy II **Tony Stanton**

Research interests

QLD COVID-19 Project (\$625,000): ATHENA COVID-19 Project: Data Linkage study of outcomes in patients with COVID-19 in Queensland; **Kim Greaves**

Digital Innovation Hub (\$150,000): Development of a Dynamic Consent Platform for Queensland Health; **Kim Greaves**

NHMRC APP1169888 (\$449,368): Improving Communication about Heart disease risk Assessment using Translational research strategies in General Practice (CHAT-GP): A project to implement evidence-based guidelines and shared decision-making tools for CVD prevention; **Kim Greaves**

National Heart Foundation of Australia Vanguard Grant (\$75,000): Making better use of a GP software system to prevent cardiovascular disease: evaluation of a potential surveillance system, and a pilot study to recall-and-treat high risk patients; **Kim Greaves, Tony Stanton**

Department of Health Commonwealth Government, Canberra (\$2.4m) Cardiovascular Disease for Aboriginal and Torres Strait Islander people; **Kim Greaves**

Healthcare Improvement Unit, Dept of Health, Queensland (\$0.5M): Primary and Secondary Care Data Linkage and Integration Project and the Routine Dynamic Consent for Rapid Clinical Trials Access Project; **Kim Greaves**

Primary Healthcare Network (\$20,000): Primary and Secondary Care Data Linkage and Integration Project and the Routine Dynamic Consent for Rapid Clinical Trials Access Project; **Kim Greaves**

Princess Alexandra Research Foundation (\$74,428); Tony Stanton

West Moreton Hospital and Health Service Grant (25,000); Tony Stanton

NHMRC 1080582 (2.65m); Tony Stanton

Top research publications in 2019

Huynh Q.L., K. Negishi, C.G. De Pasquale, J.L. Hare, D. Leung, **T. Stanton** and T.H. Marwick. Cognitive Domains and Post-Discharge Outcomes in Hospitalized Patients with Heart Failure. *Circulation: Heart Failure* (IF 6.833) 2019; 12: e006086.

Perissiou, M., T.G. Bailey, M. Windsor, **K. Greaves, M.C.Y. Nam**, F.D. Russell, **J. O'Donnell, R. Magee, P. Jha**, K. Schulze, A.S. Leicht, J. Golledge, and C.D. Askew, Aortic and Systemic Arterial Stiffness Responses to Acute Exercise in Patients With Small Abdominal Aortic Aneurysms. *European Journal of Vascular and Endovascular Surgery* (IF 2.912), 2019. **58**(5): p. 708-718.

Welsh, J., R.J. Korda, G. Joshy, **K. Greaves**, and E. Banks, Variation in coronary angiography and revascularisation procedures in relation to psychological distress among patients admitted to hospital with myocardial infarction or angina. *Journal of Psychosomatic Research* (IF 2.840), 2019. 125:109794

2019 full publication list

Gregory, A.T., T. Stanton, L. Thomas, J.B. Selvanayagam, and A. Robert Denniss, Echocardiography: Navigating Complexities to Provide Many Useful Applications in Contemporary Clinical Cardiology. *Heart, Lung & Circulation* (IF 1.575), 2019. **28**(9): p. 1303-1306.

Huynh Q.L., K. Negishi, C.G. De Pasquale, J.L. Hare, D. Leung, T. Stanton and T.H. Marwick. Cognitive Domains and Post-Discharge Outcomes in Hospitalized Patients with Heart Failure. *Circulation: Heart Failure* (IF 6.833) 2019; 12: e006086.

Perissiou, M., T.G. Bailey, M. Windsor, K. Greaves, M.C.Y. Nam, F.D. Russell, J. O'Donnell, R. Magee, P. Jha, K. Schulze, A.S. Leicht, J. Golledge, and C.D. Askew, Aortic and Systemic Arterial Stiffness Responses to Acute Exercise in Patients With Small Abdominal Aortic Aneurysms. *European Journal of Vascular and Endovascular Surgery* (IF 2.912), 2019. **58**(5): p. 708-718.

Prasad, S.B., K. Guppy-Coles, T. Stanton, J. Armstrong, R. Krishnaswamy, G. Whalley, J.J. Atherton, and L. Thomas, Relation of Left Atrial Volumes in Patients With Myocardial Infarction to Left Ventricular Filling Pressures and Outcomes. *American Journal of Cardiology* (IF 3.154), 2019. **124**(3): p. 325-333.

Prasad, S.B., K.B. Guppy-Coles, D. Holland, T. Stanton, R. Krishnasamy, G. Whalley, J.J. Atherton, and L. Thomas, Echocardiographic predictors of all-cause mortality in patients with left ventricular ejection fraction >35%: Value of guideline based assessment of diastolic dysfunction. *International Journal of Cardiology. Heart and Vasculature* (IF 4.638), 2019. **24**: p. 100407.

Trivedi, S.J., M. Altman, T. Stanton, and L. Thomas, Echocardiographic Strain in Clinical Practice. *Heart, Lung and Circulation* (IF 1.575), 2019. **28**(9): p. 1320-1330.

Xian Quah, J., K. Greaves, L. Thomas, and T. Stanton, The Clinical Utility and Enduring Versatility of Stress Echocardiography. *Heart, Lung & Circulation* (IF 1.575), 2019. **28**(9): p. 1376-1383.

Welsh, J., R.J. Korda, G. Joshy, K. Greaves, and E. Banks, Variation in coronary angiography and revascularisation procedures in relation to psychological distress among patients admitted to hospital with myocardial infarction or angina. *Journal of Psychosomatic Research* (IF 2.840), 2019. 125:109794

Anaesthesia and Perioperative Medicine

Research contact:

Dr Rochelle Ryan

Rochelle.Ryan@health.qld.gov.au

Active research staff

8

Publications

1

Conference presentations

3

External research funding involvement

\$-

Wishlist-SERTF research grants

\$10^k

Research interests

- Use of simulation to improve time to successful nasal intubation for anaesthetic registrars.
- Prophylactic antibiotic concentrations in elective colorectal surgery.
- Site for the Australian and New Zealand College of Anaesthetists Clinical Trials Network multicentre study: Perioperative Administration of Dexamethasone and Infection (PADDI) Trial.
- Site for the Queensland Anaesthetic Registrars Research Collaborative iHype study.

Research Higher Degree students

- Rochelle Ryan (PhD)

Internal research grants

Wishlist/SERTF (\$10,000): Does cefazolin and metronidazole prophylaxis during elective colorectal surgery achieve therapeutic concentrations in plasma and adipose tissue; **Rochelle Ryan**

Future research plans/interests

Future research plans will focus on quality improvement research to improve the anaesthetic care given to our patients.

Top research publications in 2019

Grosso, A., G. Arenas, K. Drummond and S. Whitehouse. Ultrasound-guided erector spinae plane block. *Australasian Anaesthesia (IF N/A)*, 2019: 157-164. ANZ College of Anaesthetists Publication (Every 2 years).

2019 full publication list

Articles

Grosso, A., G. Arenas, K. Drummond and S. Whitehouse. Ultrasound-guided erector spinae plane block. *Australasian Anaesthesia (IF N/A)*, 2019: 157-164. ANZ College of Anaesthetists Publication (Every 2 years).

Conference Abstracts/Speaker Contributions

Pietzsch, A. Free Poster Session. Pregnancy and return to work for trainees. ANZCA Combined Special Interest Group Meeting, 2019.

Ryan, R. Gilbert Troup Prize Session. Does cefazolin prophylaxis during elective bariatric surgery achieve therapeutic concentrations in plasma and adipose tissue? ANZCA Annual Scientific Meeting, 2019.

Ryan, R., D. Jackson, G. Hopkins, V. Eley, R. Christensen, S. Parker, A. Van Zundert, S. Wallis, J. Lipman, and J. Roberts, A pharmacokinetic model for optimal prophylactic cefazolin dosing in elective bariatric surgery patients. *Anaesthesia and Intensive Care (IF 1.283)*, 2019. 47(2): p. 12-13.

Emergency Medicine

Research contact:

Dr Ogilvie Thom

SCHHSEdResearch@health.qld.gov.au

Active
research staff

13

Publications

8

Conference
presentations

2

External research
funding involvement

\$254,152

Wishlist-SERTF
research grants

\$10^k

Research interests

- geriatric emergency department care
- paediatric care in ED
- drowning—management of patients in ED
- geriatric transfusion
- mental health models of care in ED.

Research Higher Degree students

- Dr Ogilvie Thom (PhD)
- Dr Elizabeth Marsden (PhD)
- Andrea Taylor (PhD)
- Melanie Brown (PhD)
- Kym Roberts (Masters)

External research grants

Emergency Medicine Foundation (\$96,676): An evaluative study of a collaborative ED mental health program; **Barrie Field**

Emergency Medicine Foundation (\$37,500): Mixed methods study of the Geriatric Emergency Department Initiative (GEDI); **Elizabeth Marsden**

Emergency Medicine Foundation (\$100,000): Evaluation of the Geriatric Emergency Department Initiative implementation; **Elizabeth Marsden**

Emergency Medicine Foundation (\$19,976): Is there a link between clinical incidents and emergency nursing shift patterns?; **Ogilvie Thom**

Internal research grants

Wishlist/SERTF (\$10,000): Is there a link between clinical incidents and emergency nursing shift patterns?; **Kym Roberts**

Future research plans/interests

- The ED is developing several themes of research. Dr Marsden and team are continuing their successful investigation looking at Geriatric Emergency Department Care. The Paediatric Emergency Medicine team is starting to cement collaborative research links with state-wide and international (PREDICT) research networks. The groundwork has been laid for a large project looking at the care of the drowning patient, a surprisingly neglected research topic. Finally, smaller teams are investigating Geriatric transfusion requirements, challenging some accepted norms with their findings, and models of care for mental health patients in the ED.
- An ongoing priority in ED research is establishing an active research culture amongst nursing and allied health staff. To this end there are multiple nursing led publications listed in this report, and there are several completed projects with nursing led manuscripts in progress. Excitingly there are several more allied health and nursing led projects currently under development.

Top research publications in 2019

- Chesham, B. and C. Dawber, The “All of Us” study - Non-clinical staff members’ experience of performing cardiopulmonary resuscitation in acute care settings. *Australasian Emergency Care* (IF 1.424), 2019. 22(4): p. 243-248.
- Chu, K., C. Windsor, J. Fox, T. Howell, G. Keijzers, R. Eley, F. Kinnear, J. Furyk, O. Thom, N.J. Brown, and A.F.T. Brown, Factors influencing variation in investigations after a negative CT brain scan in suspected subarachnoid haemorrhage: A qualitative study. *Emergency Medicine Journal* (IF 1.836), 2019. 36(2): p. 72-77.
- Crilly J., J.H. Greenslade, A. Johnston, E. Carlström, O. Thom, L. Abraham, D. Mills and M. Wallis. Staff perceptions of the emergency department working environment: An international cross-sectional survey. *Emergency Medicine Australasia* (IF 1.223). 2019. 31(6):1082-1091.
- Greenslade, J.H., M.C. Wallis, A. Johnston, E. Carlström, D. Wilhelms, O. Thom, L. Abraham, and J. Crilly, Development of a revised Jalowiec Coping Scale for use by emergency clinicians: A cross-sectional scale development study. *BMJ Open* (IF 2.562), 2019. 9(12).
- Marsden E., A. Taylor, M. Wallis, A. Craswell, M. Broadbent, A. Barnett and J. Crilly. Effect of the Geriatric Emergency Department Intervention on outcomes of care for residents of aged care facilities: A non-randomised trial. *Emergency Medicine Australasia* (IF 1.223). 2019 Epub ahead of print.
- Simon, G.I., A. Craswell, O. Thom, M.S. Chew, C.M. Anstey, and Y.L. Fung, Impacts of Aging on Anemia Tolerance, Transfusion Thresholds, and Patient Blood Management. *Transfusion Medicine Reviews* (IF 3.878), 2019. 33(3): p. 154-161.
- Taylor, A., M. Broadbent, M. Wallis, and E. Marsden, The predictive validity of the interRAI ED screener for predicting re-presentation within 28 days for older adults at a regional hospital emergency department. *Australasian Emergency Care* (IF 1.353), 2019. 22(3): p. 149-155.
- Xu, H., A.N.B. Johnston, J.H. Greenslade, M. Wallis, E. Elder, L. Abraham, O. Thom, E. Carlstrom, and J. Crilly, Stressors and coping strategies of emergency department nurses and doctors: A cross-sectional study. *Australasian Emergency Care* (IF 1.353), 2019. 22(3): p. 180-186.

2019 full publication list

Articles

- Chesham, B. and C. Dawber, The “All of Us” study - Non-clinical staff members’ experience of performing cardiopulmonary resuscitation in acute care settings. *Australasian Emergency Care* (IF 1.424), 2019. 22(4): p. 243-248.
- Chu, K., C. Windsor, J. Fox, T. Howell, G. Keijzers, R. Eley, F. Kinnear, J. Furyk, O. Thom, N.J. Brown, and A.F.T. Brown, Factors influencing variation in investigations after a negative CT brain scan in suspected subarachnoid haemorrhage: A qualitative study. *Emergency Medicine Journal* (IF 1.836), 2019. 36(2): p. 72-77.
- Crilly J., J.H. Greenslade, A. Johnston, E. Carlström, O. Thom, L. Abraham, D. Mills and M. Wallis. Staff perceptions of the emergency department working environment: An international cross-sectional survey. *Emergency Medicine Australasia* (IF 1.223). 2019. 31(6):1082-1091.
- Greenslade, J.H., M.C. Wallis, A. Johnston, E. Carlström, D. Wilhelms, O. Thom, L. Abraham, and J. Crilly, Development of a revised Jalowiec Coping Scale for use by emergency clinicians: A cross-sectional scale development study. *BMJ Open* (IF 2.562), 2019. 9(12).
- Marsden E., A. Taylor, M. Wallis, A. Craswell, M. Broadbent, A. Barnett and J. Crilly. Effect of the Geriatric Emergency Department Intervention on outcomes of care for residents of aged care facilities: A non-randomised trial. *Emergency Medicine Australasia* (IF 1.223). 2019 Epub ahead of print.
- Simon, G.I., A. Craswell, O. Thom, M.S. Chew, C.M. Anstey, and Y.L. Fung, Impacts of Aging on Anemia Tolerance, Transfusion Thresholds, and Patient Blood Management. *Transfusion Medicine Reviews* (IF 3.878), 2019. 33(3): p. 154-161.
- Taylor, A., M. Broadbent, M. Wallis, and E. Marsden, The predictive validity of the interRAI ED screener for predicting re-presentation within 28 days for older adults at a regional hospital emergency department. *Australasian Emergency Care* (IF 1.353), 2019. 22(3): p. 149-155.
- Xu, H., A.N.B. Johnston, J.H. Greenslade, M. Wallis, E. Elder, L. Abraham, O. Thom, E. Carlstrom, and J. Crilly, Stressors and coping strategies of emergency department nurses and doctors: A cross-sectional study. *Australasian Emergency Care* (IF 1.353), 2019. 22(3): p. 180-186.

Conference Abstracts/Speaker Contributions

- Roberts K., O. Thom, P. Leggat, S. Devine and R. Franklin. A scoping review of female drowning treatment and outcomes. Presented at World Conference on Drowning Prevention, Durban, Oct 2019
- Thom O., K. Roberts, P. Leggat, S. Devine and R. Franklin. The role of non-invasive ventilation in reversal of hypoxia in drowning patients. Presented at World Conference on Drowning Prevention, Durban, Oct 2019

Dermatology

Research contact:

Assoc Prof Helmut Schaider
Helmut.Schaider@health.qld.gov.au

Active
research staff

4

Publications

7

Conference
presentations

2

External research funding
involvement

\$10m*

Wishlist-SERTF
research grants

\$-

Research interests

- Collaboration with Dermatology Research Centre at The University of Queensland's Diamantina Institute into naevus research and melanoma prevention.
- 3D body photography and dermoscopy for high risk melanoma patients.
- Teledermatology.
- Skin cancer.
- Clinical trials.

Research Higher Degree students

Nil

External research grants

*Australian Cancer Research Foundation (ACRF) Grant (\$10m)

\$10 million grant to revolutionise the early detection of melanoma with the installation of 15 3D whole body imaging machines across Queensland, New South Wales and Victoria (1 at Sunshine Coast Hospital and Health Service).

ACRF Australian Centre of Excellence in Melanoma Imaging and Diagnosis – a collaboration between The University of Queensland, the University of Sydney and Monash University, together with state-based research and health system partners including the health service, The University of Queensland's Diamantina Institute is leading this collaboration.

Future research plans/interests

- Complete ONTRANS (Effect of oral nicotinamide on non-melanoma skin cancer incidence and actinic keratoses in renal, hepatic, heart and lung transplant recipients) trial in 2020.
- Complete teledermatology project with data to confirm non urgent dermatology cases can be seen as store and forward teledermatology, with the majority not needing face-to-face consultation.
- Research protocol in progress for a trial comparing patient acceptability and efficacy of topical 5 fluorouracil compared to topical 5 fluorouracil combined with calcipotriol for actinic keratoses.

Top research publications in 2019

Emran A.A., D.M. Marzese, D.R. Menon, H. Hammerlindl, F. Ahmed, E. Richtig, P Duijf, D.S. Hoon, H. Schaidler. Commonly integrated epigenetic modifications of differentially expressed genes lead to adaptive resistance in cancer. *Epigenomics* (IF 4.044). 2019. 11(7):732-737.

Joseph S.R., D. Gaffney, R. Barry, L. Hu, B. Banushi, J.W. Wells, D. Lambie, G. Strutton, S.V. Porceddu, B. Burmeister, G.R. Leggatt, H. Schaidler, R. Dolcetti, I.H. Frazer, N.A. Saunders, M. Foote, H.P. Soyer and F. Simpson. An Ex Vivo Human Tumor Assay Shows Distinct Patterns of EGFR Trafficking in Squamous Cell Carcinoma Correlating to Therapeutic Outcomes. *Journal of Investigative Dermatology* (IF 6.915) 2019. 139(1):213-223

Torrano J., A. Al Emran, H. Hammerlindl and H. Schaidler. Emerging roles of H3K9me3, SETDB1 and SETDB2 in therapy-induced cellular reprogramming. *Clinical Epigenetics* (IF 5.400). 2019. 11(1):43

2019 full publication list

Articles

Deen J. and H. Schaidler. The use of cinacalcet for the treatment of calciphylaxis in patients with chronic kidney disease: A comprehensive review. *Australasian Journal of Dermatology* (IF 1.305). 2019. 60(3):e186-e194.

Emran A.A., B.R. Chinna Chowdary, F. Ahmed, H. Hammerlindl, A. Huefner, N.K. Haass, W. Schuehly and H. Schaidler. Magnolol induces cell death through PI3K/Akt-mediated epigenetic modifications boosting treatment of BRAF- and NRAS-mutant melanoma. *Cancer Medicine* (IF 3.362) 2019 8(3):1186-1196.

Emran A.A., D.M. Marzese, D.R. Menon, H. Hammerlindl, F. Ahmed, E. Richtig, P Duijf, D.S. Hoon, H. Schaidler. Commonly integrated epigenetic modifications of differentially expressed genes lead to adaptive resistance in cancer. *Epigenomics* (IF 4.044). 2019. 11(7):732-737.

Heitzer E., A. Groenewoud, K. Meditz, B. Lohberger, B. Liegl-Atzwanger, A. Prokesch, K. Kashofer, D. Behrens, J. Haybaeck, D. Kolb-Lenz, H. Koefeler, S. Riedl, H. Schaidler, C. Fischer, B.E. Snaar-Jagalska, D. de'Jong, K. Szuhai, D. Zwegtlick and B. Rinner. Human melanoma brain metastases cell line MUG-Mel1, isolated clones and their detailed characterization. *Scientific Reports* (IF 4.011). 2019. 9(1):4096

Joseph S.R., D. Gaffney, R. Barry, L. Hu, B. Banushi, J.W. Wells, D. Lambie, G. Strutton, S.V. Porceddu, B. Burmeister, G.R. Leggatt, H. Schaidler, R. Dolcetti, I.H. Frazer, N.A. Saunders, M. Foote, H.P. Soyer and F. Simpson. An Ex Vivo Human Tumor Assay Shows Distinct Patterns of EGFR Trafficking in Squamous Cell Carcinoma Correlating to Therapeutic Outcomes. *Journal of Investigative Dermatology* (IF 6.915) 2019. 139(1):213-223

Read T., M. Lonne, D.S. Sparks, M. David, M. Wagels, H. Schaidler, H.P. Soyer and B.M. Smithers. A systematic review and meta-analysis of locoregional treatments for in-transit melanoma. *Journal of Surgical Oncology* (IF 3.151). 2019. 119(7):887-896. (Response to letter to the editor 120(6):1058-1059)

Torrano J., A. Al Emran, H. Hammerlindl and H. Schaidler. Emerging roles of H3K9me3, SETDB1 and SETDB2 in therapy-induced cellular reprogramming. *Clinical Epigenetics* (IF 5.400). 2019. 11(1):43

Conference Abstracts/Speaker Contributions

Moore, L., L. Byrom, and L. Banney, Anti-MDA 5 positive dermatomyositis: An emerging entity. *Australasian Journal of Dermatology* (IF 1.305), 2019. 60: p. 66.

Tedman A., L. Byrom, I. Han, D. Gaffney and L. Banney. Chromoblastomycosis of the nail bed. *Australasian Journal of Dermatology* (IF 1.305) 2019 60 Supplement 1 (93-).

SCUH Exceptional People Award 2019 – “Bright Ideas and Research” Dr Alex Tedman for teledermatology

General surgery

Research contact:

Dr Bree Stephensen
Bree.Stephensen@health.qld.gov.au

Research contact:

Dr David (Sandy) Grieve
Sandy.Grieve@health.qld.gov.au

Active
research staff

12

Publications

3

Conference
presentations

4

External research funding
involvement

\$782,256

Wishlist-SERTF
research grants

\$85K

Research interests

- SUNRRISE Trial: trainee-led, international multicentre randomised controlled trial of single-use negative pressures dressings for the prevention of surgical site infection after emergency laparotomy.
- COVIDSurg Study: international multicentre observational study of outcomes for patients with COVID-19 requiring surgery.
- Optimisation of surgical waiting list management.
- The effect of the COVID-19 pandemic on acute surgical admissions.

Research Higher Degree students

- Mikaela Seymour (Masters)
- Suzanne Ryan (PhD)

External research grants

Medical Research Future Fund (MRFF) (\$782,256):

Single Use Negative pPressure dressing for Reduction In Surgical site infection following Emergency laparotomy (SUNRISE) Trial (SCHHS is a participating site); Bree Stephensen

Internal research grants

SERTF (\$85,000): OpLIST Study; Ratna Aseervatham and David (Sandy) Grieve

Future research plans/interests

- DAMASCUS Study: international multicentre observational study of management and outcomes of acute diverticulitis.
- Queensland CRC Audit: state-wide audit assessing regional variation in provision of services and outcomes in management of colorectal cancer across Queensland.

Top research publications in 2019

Stephensen B.D., L. Clarke, B. McManus, S. Clark, R. Carroll, P. Holz and S.R. Smith. The LAPLAP Study: A randomised placebo-controlled clinical trial assessing post-operative functional recovery using intraperitoneal local anaesthetic in laparoscopic colorectal surgery. *Colorectal Disease* (IF 2.452) 2019; 21: 1183-91

Stephensen B., F. Reid, S. Shaikh, R. Carroll, S.R. Smith and P. Pockney. The PREDICT Study: 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. *ANZ Journal of Surgery* (IF 1.158) 2019; 89(S1): 56-87. Podium Presentation. (Additional authors from research collaborative from SCHHS: Copertino N, Grieve DA, Ryan S)

2019 full publication list

Articles

Broom, J., C.L. Tee, A. Broom, M.D. Kelly, T. Scott, and D.A. Grieve, Addressing social influences reduces antibiotic duration in complicated abdominal infection: a mixed methods study. *ANZ Journal of Surgery* (IF 1.605), 2019. 89(1-2): p. 96-100.

Copertino, N.J. and D. Grieve, Cholecystitis in situs inversus totalis. *ANZ Journal of Surgery* (IF 1.605), 2019. 89(3): p. E90-E91.

Stephensen B.D., L. Clarke, B. McManus, S. Clark, R. Carroll, P. Holz and S.R. Smith. The LAPLAP Study: A randomised placebo-controlled clinical trial assessing post-operative functional recovery using intraperitoneal local anaesthetic in laparoscopic colorectal surgery. *Colorectal Disease* (IF 2.452) 2019; 21: 1183-91

Conference Abstracts/Speaker Contributions

Savage G., Stapleton T. and Grieve D. Does a first rib fracture predict significant soft tissue injuries? Poster presentation at Royal Australasian College of Surgeons Annual Scientific Congress, May 2019, Bangkok, Thailand.

Seymour M. Non-specific abdominal pain: can patient requiring admission be predicted? Poster presentation for completion of MSC Surgical Services, March 2019, University of Edinburgh, Scotland.

Stephensen B., F. Reid, S. Shaikh, R. Carroll, S.R. Smith and P. Pockney. The PREDICT Study: 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. *Colorectal Disease* (IF 2.452) 2019; 21(S2): 4-9. Podium Presentation ACPGBI Annual Meeting, July 2019, Dublin, Ireland (Additional authors from research collaborative from SCHHS: Copertino N, Grieve DA, Ryan S)

Stephensen B., F. Reid, S. Shaikh, R. Carroll, S.R. Smith and P. Pockney. The PREDICT Study: 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. *ANZ Journal of Surgery* (IF 1.158) 2019; 89(S1): 56-87. Podium Presentation RACS Annual Scientific Congress, May 2019, Bangkok, Thailand.

Hepatology

Research contact:

Prof James O'Beirne
James.Obeirne@health.qld.gov.au

Active
research staff

5

Publications

14

Conference
presentations

9

External research funding
involvement

\$974^K

Wishlist-SERTF
research grants

\$-

Research interests

- non-alcoholic fatty liver disease
- viral hepatitis
- hepatocellular carcinoma.

Research Higher Degree students

Nil

External research grants

NH&MRC MRFF (\$974,000 – over 3 years): LOCal Assessment and Triage Evaluation of Non-Alcoholic Fatty Liver Disease (LoCATE-NAFLD); James O'Beirne

Future research plans/interests

1. further development of clinical trial portfolio
2. NHMRC grant application for Vancomycin to treat primary sclerosing cholangitis (PSC)
3. NHMRC grant application to study cirrhosis care in disadvantaged Australians.

Top research publications in 2019

Benmassaoud, A., L. AlRubaiy, D. Yu, P. Chowdary, M. Sekhar, P. Parikh, J. Finkel, T. C. See, J. O'Beirne, J. A. Leithead and D. Patch, A stepwise thrombolysis regimen in the management of acute portal vein thrombosis in patients with evidence of intestinal ischaemia. *Alimentary Pharmacology and Therapeutics* (IF 6.320), 2019. 50, 1049-1058.

Nicoll, A.J., S.K. Roberts, R. Lim, J. Mitchell, M. Weltman, J. George, A. Wigg, K. Stuart, P. Gow, G. MacQuillan, E. Tse, M. Levy, S. Sood, A. Zekry, W. Cheng, J. Mitchell, R. Skoien, W. Sievert, S.I. Strasser, G.W. McCaughan, W. Cheng, J. George, P. Gow, M. Levy, G.W. McCaughan, J. Mitchell, J. Mitchell, A.J. Nicoll, S.K. Roberts, W. Sievert,

Top research publications in 2019 cont

- R. Skoien, S. Sood, S.I. Strasser, K. Stuart, E. Tse, M. Weltman, A. Wigg, A. Zekry, and A. Gastroenterological Soc, Beneficial response to mycophenolate mofetil by patients with autoimmune hepatitis who have failed standard therapy, is predicted by older age and lower immunoglobulin G and INR levels. *Alimentary Pharmacology & Therapeutics* (IF 6.320), 2019. 49(10): p. 1314-1322.
- Rodríguez-Perálvarez, M., M. Guerrero, L. De Luca, B. Gros, D. Thorburn, D. Patch, M. D. Aumente, R. Westbrook, R. Fernández, V. Amado, P. Aguilar, J. L. Montero, J. O'Beirne, J. Briceño, E. Tsochatzis and M. De la Mata, Area Under Trough Concentrations of Tacrolimus as a Predictor of Progressive Renal Impairment After Liver Transplantation. *Transplantation* (IF 3.690), 2019. 103, 2539-2548.
- White, L., A. Azzam, L. Burrage, C. Orme, B. Kay, S. Higgins, S. Kaye, A. Sloss, J. Broom, N. Weston, J. Mitchell, and J. O'Beirne, Facilitating treatment of HCV in primary care in regional Australia: closing the access gap. *Frontline Gastroenterology* (IF 1.350), 2019. 10(3): p. 210-216.
- Wickremaratne, T., S. Turner, and J. O'Beirne, Systematic review with meta-analysis: ultra-thin gastroscopy compared to conventional gastroscopy for the diagnosis of oesophageal varices in people with cirrhosis. *Alimentary Pharmacology and Therapeutics* (IF 7.357), 2019. 49: 1464-1473.

2019 full publication list

Articles

- Benmassaoud, A., L. AlRubaiy, D. Yu, P. Chowdary, M. Sekhar, P. Parikh, J. Finkel, T. C. See, J. O'Beirne, J. A. Leithead and D. Patch, A stepwise thrombolysis regimen in the management of acute portal vein thrombosis in patients with evidence of intestinal ischaemia. *Alimentary Pharmacology and Therapeutics* (IF 6.320), 2019. 50, 1049-1058.
- Bernardes, C.M., I.U. Ratnasekera, J.H. Kwon, S. Somasundaram, G. Mitchell, S. Shahid, J. Meiklejohn, J. O'Beirne, P.C. Valery, and E. Powell, Contemporary Educational Interventions for General Practitioners (GPs) in Primary Care Settings in Australia: A Systematic Literature Review. *Frontiers in Public Health* (IF 2.031), 2019. 7: p. 176.
- De Luca, L., M. Kalafateli, S. Bianchi, N. Alasaker, E. Buzzetti, M. Rodríguez-Perálvarez, D. Thorburn, J. O'Beirne, D. Patch, G. Leandro, R. Westbrook and E. A. Tsochatzis, Cardiovascular morbidity and mortality is increased post-liver transplantation even in recipients with no pre-existing risk factors. *Liver International* (IF 4.470), 2019. 39, 1557-1565.
- Gupta, R. and J. O'Beirne, On the path to detecting significant liver disease. *Frontline Gastroenterology* (IF 1.350) Commentary Epub Sept 2019.
- Lumley, S., C. Green, H. Rafferty, C. Smith, M. Harber, J. O'Beirne, G. Jones, D. Thorburn, A. Marshall, T. Shah, M. Zuhair, E. Rothwell, S. Atabani, T. Haque, and P. Griffiths, Cytomegalovirus viral load parameters associated with earlier initiation of preemptive therapy after solid organ transplantation. *PLoS ONE* (IF 4.411), 2019. 14(1).
- Nicoll, A.J., S.K. Roberts, R. Lim, J. Mitchell, M. Weltman, J. George, A. Wigg, K. Stuart, P. Gow, G. MacQuillan, E. Tse, M. Levy, S. Sood, A. Zekry, W. Cheng, J. Mitchell, R. Skoien, W. Sievert, S.I. Strasser, G.W. McCaughan, ALA Clinical Research Network and A. Gastroenterological Soc, Beneficial response to mycophenolate mofetil by patients with autoimmune hepatitis who have failed standard therapy, is predicted by older age and lower immunoglobulin G and INR levels. *Alimentary Pharmacology & Therapeutics* (IF 6.320), 2019. 49(10): p. 1314-1322.
- Powell, E.E., R. Skoien, T. Rahman, P.J. Clark, J. O'Beirne, G. Hartel, K.A. Stuart, S.M. McPhail, R. Gupta, P. Boyd, and P.C. Valery, Increasing Hospitalization Rates for Cirrhosis: Overrepresentation of Disadvantaged Australians. *EclinicalMedicine* (IF Not Rated Yet), 2019. 11: p. 44-53.
- Rodríguez-Perálvarez, M., M. Guerrero, L. De Luca, B. Gros, D. Thorburn, D. Patch, M. D. Aumente, R. Westbrook, R. Fernández, V. Amado, P. Aguilar, J. L. Montero, J. O'Beirne, J. Briceño, E. Tsochatzis and M. De la Mata, Area Under Trough Concentrations of Tacrolimus as a Predictor of Progressive Renal Impairment After Liver Transplantation. *Transplantation* (IF 3.690), 2019. 103, 2539-2548.
- Srivastava, A., S. Jong, A. Gola, R. Gailer, S. Morgan, K. Sennett, S. Tanwar, E. Pizzo, J. O'Beirne, E. Tsochatzis, J. Parkes and W. Rosenberg, Cost-comparison analysis of FIB-4, ELF and fibroscan in community pathways for non-alcoholic fatty liver disease. *BMC Gastroenterology* (IF 2.468), 2019. 19, 122.
- White, L., A. Azzam, L. Burrage, C. Orme, B. Kay, S. Higgins, S. Kaye, A. Sloss, J. Broom, N. Weston, J. Mitchell, and J. O'Beirne, Facilitating treatment of HCV in primary care in regional Australia: closing the access gap. *Frontline Gastroenterology* (IF 1.350), 2019. 10(3): p. 210-216.
- Wickremaratne, T., S. Turner, and J. O'Beirne, Systematic review with meta-analysis: ultra-thin gastroscopy compared to conventional gastroscopy for the diagnosis of oesophageal varices in people with cirrhosis. *Alimentary Pharmacology and Therapeutics* (IF 7.357), 2019. 49: 1464-1473.
- Wythe, S., T.W. Davies, J. O'Beirne, D. Martin, and E. Gilbert-Kawai, Observational study of the microcirculation in patients with liver cirrhosis. *Journal of Gastroenterology and Hepatology Open* (IF 3.322), 2019. 3(6): p. 518-524.

Letters

- Mitchell, J. and J. O'Beirne, Benefit of haemostatic spray in variceal bleeding: early application of spray or early application of guidelines? *Gut* (IF 14.921), 2019. 68(6): p. 1134-5.

Conference Abstracts/Speaker Contributions

2019 full publication list cont.

- Burrage, L., H. Zimmerman, S. Higgins, K. Param, C. Orme, J. Mitchell and J. O'Beirne Utility of simple serum based tests to exclude cirrhosis prior to HCV treatment in non-hospital based settings. *Journal of Hepatology* (IF 1.030), 2019. 70, E501.
- Day, M., J. O'Beirne, J. Mitchell, and A. Sloss, High-quality care in suspected variceal bleeding: Opportunities for improvement. *Journal of Gastroenterology and Hepatology* (IF 3.322), 2019. 34: p. 78-79.
- Papaluca, T., K. New, S. Strasser, K. Stuart, G. Dore, G. Farrell, J. George, G. Jeffrey, J. O'Beirne, M. Sinclair, A. Wade, G. Ahlenstiel, S. Hazeldine, A. Wigg, K. Sheikh, A. Woodward, M. Weltman, I. Valiozis, B. McGarity, L. Fisher, M. Levy, E. Tse, M. Wilson, J. Thomas, A. Lee, R. Sawhney, W. Sievert, S. Sood, W. Cheng, S. Roberts, and A. Thompson, Efficacy and safety of sofosbuvir, velpatasvir, and voxilaprevir in NS5A-experienced patients with advanced liver disease or prior liver transplantation: The first Australian real-world experience. *Journal of Gastroenterology and Hepatology* (IF 3.322), 2019. 34: p. 72-73.
- Powell, E., R. Skoien, T. Rahman, P. Clark, J. O'Beirne, G. Hartel, K. Stuart, S. Mcphail, R. Gupta, P. Boyd and P. Valery The burgeoning growth in cirrhosis-related hospitalization in Australia, 2008-2016. *Journal of Hepatology*, (IF 1.030), 2019. 70, E346-E347.
- Shah, S., J. O'Beirne, W. Rosenberg, E. Gathogo and R. Westbrook. Outcomes of hepatitis B patients transplanted without hepatitis B immunoglobulin. *Journal of Hepatology*, (IF 1.030), 2019. 70, E480.
- Valery, P., R. Skoien, T. Rahman, P. Clark, J. O'Beirne, G. Hartel, K. Stuart, S. Mcphail, R. Gupta and E. Powell Changing prevalence of aetiological factors among Australians hospitalized for cirrhosis. *Journal of Hepatology*, (IF 1.030), 2019. 70, E346.
- Wickremaratne, T., S. Turner, S. Higgins, A. Sloss, J. Mitchell, and J. O'Beirne, Unsedated ultrathin endoscopy for variceal surveillance in the outpatient setting: Evidence into practice. *Journal of Gastroenterology and Hepatology* (IF 3.322), 2019. 34: p. 236-237.
- Wickremaratne, T., S. Turner, P. Leschke, J. Langton, S. Johnston, J. Mitchell, and J. O'Beirne, Indications and outcomes of transjugular intrahepatic portosystemic shunt insertion in a regional hepatology center. *Journal of Gastroenterology and Hepatology* (IF 3.322), 2019. 34: p. 82-83.
- Zulkifli, N., H. Harding, L. Vaux, A. Sloss, J. Mitchell, and J. O'Beirne, Model for end-stage liver disease score corrected for "true" creatinine improves prognostication in patients with decompensated cirrhosis. *Journal of Gastroenterology and Hepatology* (IF 3.322), 2019. 34: p. 87-88.

Infectious diseases service

Research contact:

Dr Keat Choong

Keat.Choong@health.qld.gov.au

Active
research staff

9

Publications

17

Conference
presentations

3

External
research funding
involvement

\$1.2m

Wishlist-SERTF research
grants

\$70k

Research interests

- social influences on antimicrobial use
- implementation science
- cultural change in healthcare institutions
- research translation
- diabetic foot infection
- HIV
- antimicrobial resistance.

Research Higher Degree students

- Sofia Etchehoury (Masters)
- Junel Padigos (PhD)

External research grants

Advance Queensland Senior Research Fellowship 2017-2020 (\$600 000—including \$300 000 administering organisation contribution - and additional \$283 000 in-kind contributions from partner organisations. Total grant value \$883 000): Novel antimicrobial stewardship innovations to preserve antibiotics for the future; Jennifer Broom

ARC linkage Grant 2018-2021 (\$418,473— including partner contributions): Navigating an uncertain antimicrobial future: A sociological study; Jennifer Broom

Internal research grants

Wishlist/SERTF 2019 (\$20,000): Stability of Beta-Lactam Antimicrobials During Home Intravenous Antimicrobial Therapy; Jessica Hambly, Keat Choong, Shradha Subedi

Wishlist/SERTF 2019 (\$50,000): Social Justice and Antimicrobial Resistance. A sociological study of vulnerability.; Jennifer Bloom

Future research plans/interests

1. Continued expansion on current research projects.
2. Translation of research findings into clinical interventions to optimise antimicrobial use will continue.
3. Research will continue to be prioritised across different levels of training and professional streams.
4. A prioritisation on research as a mechanism for health systems and infection management improvement will be continued.

Top research publications in 2019

Broom, J., A. Broom, and E. Kirby, The drivers of antimicrobial use across institutions, stakeholders and economic settings: A paradigm shift is required for effective optimization. *Journal of Antimicrobial Chemotherapy* (IF 5.217), 2019. 74(9): p. 2803-2809.

White, L., A. Azzam, L. Burrage, C. Orme, B. Kay, S. Higgins, S. Kaye, A. Sloss, J. Broom, N. Weston, J. Mitchell, and J. O'Beirne, Facilitating treatment of HCV in primary care in regional Australia: closing the access gap. *Frontline Gastroenterology* (IF 1.350), 2019. 10(3): p. 210-216.

Davidson, N. and D. Sowden, Evaluation of screening practices for low bone mass and prevalence of osteoporosis and fractures in people living with human immunodeficiency virus attending a sexual health clinic. *Internal Medicine Journal* (IF 1.767), 2019. 49(9): p. 1119-1124.

Roberts L.W., E. Catchpoole, A.M. Jennison, H. Bergh, A. Hume, C. Heney, N. George, D.L. Paterson, M.A. Schembri, S.A. Beatson, P.N.A. Harris. Genomic analysis of carbapenemase-producing Enterobacteriaceae in Queensland reveals widespread transmission of blaIMP-4 on an IncHI2 plasmid. *Microbial Genomics*. (IF 5.520) 2019 Epub ahead of print.

2019 full publication list

Broom, J., A. Broom, P. Good, and Z. Lwin, Why is optimisation of antimicrobial use difficult at the end of life? *Internal Medicine Journal* (IF 1.767), 2019. 49(2): p. 269-271.

Broom, J., A. Broom, and E. Kirby, The drivers of antimicrobial use across institutions, stakeholders and economic settings: A paradigm shift is required for effective optimization. *Journal of Antimicrobial Chemotherapy* (IF 5.217), 2019. 74(9): p. 2803-2809.

Broom, J., C.L. Tee, A. Broom, M.D. Kelly, T. Scott, and D.A. Grieve, Addressing social influences reduces antibiotic duration in complicated abdominal infection: a mixed methods study. *ANZ Journal of Surgery* (IF 1.605), 2019. 89(1-2): p. 96-100.

Davidson, N. and D. Sowden, Evaluation of screening practices for low bone mass and prevalence of osteoporosis and fractures in people living with human immunodeficiency virus attending a sexual health clinic. *Internal Medicine Journal* (IF 1.767), 2019. 49(9): p. 1119-1124.

Dyer, J. L. Vaux, A. Broom and J. Broom. Antimicrobial use in patients at the end of life in an Australian hospital. *Infection, Disease and Health*. (IF N/A), 2019 24(2):92-97.

Roberts L.W., E. Catchpoole, A.M. Jennison, H. Bergh, A. Hume, C. Heney, N. George, D.L. Paterson, M.A. Schembri, S.A. Beatson, P.N.A. Harris. Genomic analysis of carbapenemase-producing Enterobacteriaceae in Queensland reveals widespread transmission of blaIMP-4 on an IncHI2 plasmid. *Microbial Genomics*. (IF 5.520) 2019 Epub ahead of print.

Ruegg L. Repositioning a peripherally inserted central catheter (PICC) using a high-flow flush technique (HFFT) in an adult patient with non-Hodgkin's lymphoma. *Journal of Vascular Access* (IF 1.397) 2019 5(2): 49-50.

Sinclair, H.A., P. Chapman, L. Omaleki, H. Bergh, C. Turni, P. Blackall, L. Papacostas, P. Braslins, D. Sowden and G.R. Nimmo, Identification of *Lonepinella* sp. in Koala Bite Wound Infections, Queensland, Australia. *Emerging Infectious Diseases* (IF 7.422), 2019. 25(1): p. 153-156.

Stewart, A., Disseminated *Mycobacterium intracellulare* from a Deep Cutaneous Infection. *International Journal of Mycobacteriology* (IF 1.000), 2019. 8(1): p. 98-100 (Case Report).

Stewart, A., D. Sowden, M. Caffery, M. Bint and J. Broom, *Rhodococcus equi* infection: A diverse spectrum of disease. *IDCases* (IF 0.790), 2019. 15 e00487 (Case Report).

Stewart, A., D. Sowden, A. Sloss and J. Broom, Inflammatory bowel disease masquerading as traveller's diarrhoea. *Internal Medicine Journal* (IF 1.767), 2019. 49(6): p. 789-791 (Case Report).

Stewart, A.G., J. Broom, D. Sowden and P. Hollett, Acute kidney injury in acute Q fever. *Internal Medicine Journal* (IF 1.767), 2019. 49(10): p. 1326-1329.

White, L., A. Azzam, L. Burrage, C. Orme, B. Kay, S. Higgins, S. Kaye, A. Sloss, J. Broom, N. Weston, J. Mitchell, and J. O'Beirne, Facilitating treatment of HCV in primary care in regional Australia: closing the access gap. *Frontline Gastroenterology* (IF 1.350), 2019. 10(3): p. 210-216.

Willemsen, A., R. Cobbald, J. Gibson, K. Wilks, S. Lawler, and S. Reid, Infection control practices employed within small animal veterinary practices-A systematic review. *Zoonoses & Public Health* (IF 2.268), 2019. 66(5): p. 439-457.

Letters

Davidson, N. and J. Broom, Vaccine strain varicella zoster virus transmitted within a family from a child with shingles results in varicella meningitis in an immunocompetent adult. *Internal Medicine Journal* (1.767), 2019. 49(1): p. 132-133.

Dyer, J., K. Morwood and K. Choong, Tofacitinib: raising awareness of mycoses. *Internal Medicine Journal* (1.767), 2019. 49(6): p. 805-806.

Book Chapter/Therapeutic Guideline

Sowden D. and T. Hadwen Bone disease in patients with HIV Australasian Society for HIV, Viral Hepatitis and Sexual Health Medicine (ASHM), In: HIV management in Australasia. A guide for clinical care. October 2019

Conference Abstracts/Speaker Contributions

Broom, J. Antimicrobial stewardship; incorporating social influence, clinical context and specialty-specific issues Third NSW Antimicrobial Stewardship Forum, Sydney June 2019

Broom, J., A. Broom, and E. Kirby, The drivers of antimicrobial use across institutions, stakeholders and economic settings: A paradigm shift is required for effective optimisation. *Infection, Disease and Health* (IF 0.54), 2019. 24: p. S7.

Ruegg, L.M., M.A. Faucett and K.L. Choong, A quality improvement management project to improve the management of ambulatory inserted peripheral cannulae (PIVC). *Journal of Vascular Access* (IF 1.397), 2019. 20(1): p. NP78-NP79.

Intensive care services

Research contact:

Dr Peter Garrett

Peter.Garrett@health.qld.gov.au

Dr Paula Lister

Paula.Lister@health.qld.gov.au

Research Team

SCICCR@health.qld.gov.au

Active
research staff

20

Publications

11

Conference
presentations

5

External research
funding involvement

\$45,956

Wishlist-SERTF
research grants

\$110,410

Research interests

- renal dialysis in acute kidney injury and regional citrate anticoagulation
- out of hospital cardiac arrests
- early mobilisation in ICU patients
- paediatric sepsis and outcomes
- critical care guideline based dosing of antibiotics in sepsis.

Research Higher Degree students

- Paul Williams (PhD)
- Dr Chris Anstey (PhD)

External research grants

Pathology Queensland (\$25,956): Does guideline-based dosing of beta lactam antibiotics and vancomycin achieve target drug concentrations more than therapeutic drug monitoring-based dosing in critically ill patients? (GUIDE Trial); Paul Williams

Intensive Care Foundation Grant (\$20,000): Plasma free cortisol and aldosterone concentration in critically ill patients with septic shock; John Moore

Internal research grants

Wishlist/SERTF (\$44,075): Early Resuscitation in Paediatric Sepsis Using Inotropes and Metabolic Support—A Randomized Controlled Pilot Study Platform; Paula Lister

Wishlist/SERTF (\$39,823): PIMS Study: An investigation of the utility of micro-sampling versus traditional blood sampling for antibiotic pharmacokinetics in Children; Paula Lister

Wishlist/SERTF (\$19,512): Does guideline-based dosing of beta lactam antibiotics and vancomycin achieve target drug concentrations more than therapeutic drug monitoring-based dosing in critically ill patients? (GUIDE Trial); Paul Williams

Future research plans/interests

While being involved in collaborative multi-centre research and clinical trials add to our experience and encourage benchmarking with other Australian sites, we see the need now to encourage local projects. An additional focus for 2020 will be involving registrars and other colleagues in achievable investigations such as audits on our practice, case series and literature reviews. We hope to develop local investigator driven research from these, as well as explore links with the affiliation with Griffith University.

Our continued collaborative research themes will include:

- community acquired pneumonia
- renal dialysis and citrate anticoagulation
- out of hospital cardiac arrests
- antibiotic prescribing.

Top research publications in 2019

Shehabi Y, et al (300 contributing investigators) including J. Brailsford, A. Buckley, L. Forbes, T. Maguire, J. Moore and L. Murray. Early sedation with dexmedetomidine in critically ill patients. *New England Journal of Medicine* (IF 59.558), 2019. 380(26):2506-17.

Lin F., S. Phelan, W. Chaboyer and M. Mitchell. Early mobilisation of ventilated patients in the intensive care unit: A survey of critical care clinicians in an Australian tertiary hospital. *Australian Critical Care* (IF 1.479) Epub ahead of print.

2019 full publication list

Articles

Corley, A., I. Lye, J.D. Lavana, A. Ahuja, C.M. Anstey, P. Jarrett, E. Haisz, R. Parke, V. Pellegrino, H. Buscher, J.F. Fraser, and E.P.S. Investigators, Nosocomial infection prevalence in patients undergoing extracorporeal membrane oxygenation (ECMO): protocol for a point prevalence study across Australia and New Zealand. *BMJ Open* (IF 2.562), 2019. 9(7): p. e029293.

Crass RL, P. Williams and J.A. Roberts. The challenge of quantifying and managing pharmacokinetic variability of beta-lactams in the critically ill. *Anaesthesia, Critical Care and Pain Medicine* (IF 2.734). 2019, Epub ahead of print

Kumar, A., C. Anstey, P. Tesar, and K. Shekar, Risk Factors for Mortality in Patients Undergoing Cardiothoracic Surgery for Infective Endocarditis. *Annals of Thoracic Surgery* (IF 2.975), 2019. 108(4): p. 1101-1106.

Lin F., S. Phelan, W. Chaboyer and M. Mitchell. Early mobilisation of ventilated patients in the intensive care unit: A survey of critical care clinicians in an Australian tertiary hospital. *Australian Critical Care* (IF 1.479) Epub ahead of print.

Obonyo, N.G., L. Byrne, J.P. Tung, G. Simonova, S.D. Diab, K.R. Dunster, M.R. Passmore, A.C. Boon, L. See Hoe, S. Engkilde-Pedersen, A. Esguerra-Lallen, M.H. Fauzi, L.P. Pimenta, J.E. Millar, J.P. Fanning, F. Van Haren, C.M. Anstey, L. Cullen, J. Suen, K. Shekar, K. Maitland, and J.F. Fraser, Pre-clinical study protocol: Blood transfusion in endotoxaemic shock. *MethodsX* (IF 3.503), 2019. 6: p. 1124-1132.

Passmore, M.R., N.G. Obonyo, L. Byrne, A.C. Boon, S.D. Diab, K.R. Dunster, Y.L. Fung, M.M. Spanevello, M.H. Fauzi, S.E. Pedersen, G. Simonova, C.M. Anstey, K. Shekar, J.P. Tung, K. Maitland, and J.F. Fraser, Fluid resuscitation with 0.9% saline alters haemostasis in an ovine model of endotoxemic shock. *Thrombosis Research* (IF 2.320), 2019. 176: p. 39-45.

Robertson S.T., R.S. Grimley, C. Anstey and I.C. Rosbergen. Acute stroke patients not meeting their nutrition requirements: Investigating nutrition within the enriched environment. *Clinical Nutrition* (IF 4.487) 2019. Epub ahead of print.

Shehabi Y, et al (300 contributing investigators) including J. Brailsford, A. Buckley, L. Forbes, T. Maguire, J. Moore and L. Murray. Early sedation with dexmedetomidine in critically ill patients. *New England Journal of Medicine* (IF 59.558), 2019. 380(26):2506-17.

Simon, G.I., A. Craswell, O. Thom, M.S. Chew, C.M. Anstey, and Y.L. Fung, Impacts of Aging on Anemia Tolerance, Transfusion Thresholds, and Patient Blood Management. *Transfusion Medicine Reviews* (IF 3.878), 2019. 33(3): p. 154-161.

Williams P., G. Beall, M.O. Cotta and J.A. Roberts, Antimicrobial dosing in critical care: A pragmatic adult dosing nomogram. *International Journal of Antimicrobial Agents* (IF 4.097), 2019, Epub ahead of print.

Williams, P., M.O. Cotta, and J.A. Roberts, Pharmacokinetics/Pharmacodynamics of β -Lactams and Therapeutic Drug Monitoring: From Theory to Practical Issues in the Intensive Care Unit. *Seminars in Respiratory and Critical Care Medicine* (IF 2.274), 2019. 40(4): p. 476-487.

Conference Abstracts/Speaker Contributions

Corley, A., I. Lye, J. Lavana, A. Ahuja, P. Jarrett, C. Anstey, E. Haisz, R. Parke, H. Buscher, V. Pellegrino, and J. Fraser, Nosocomial Infection Rates in Patients Receiving Extracorporeal Membrane Oxygenation Across Australia and New Zealand: An Interim Analysis...43rd Australian and New Zealand Annual Specific Meeting on Intensive Care and 24th Annual Pediatric and Neonatal Intensive Care Conference, 11-13 October 2018, Australia. *Australian Critical Care* (IF 1.479), 2019. 32: p. S12-S12.

Hansen M and P. Williams. Optimisation of Pharmacist documentation in an integrated electronic medical record. *SHPA 45th National Conference – Medicines Management*, Gold Coast, November 2019

Williams P. Dosing guidelines to optimise antibiotic effectiveness. *National Forum on Antimicrobial Resistance*. UQ CCR, Brisbane, November 2019. Presentation

Williams P. Queensland Critical Care Research Forum – Introduction from the Chairperson. *GCUH*, Gold Coast, July 2019.

Williams P, E. McCourt, J. Coombes, S. Stacey, A. Hale. When/why to do a Research Higher Degree? *SHPA Pharmacy Research Symposium*, Pharmacy Australia Centre of Excellence (PACE) Brisbane, October 2019. Panel discussion.

Medical oncology

Research contact:

Carrie Donohoe

Carrie.Donohoe@health.qld.gov.au

Active
research staff

7

Publications

3

Conference
presentations

5

External research
funding involvement

\$-

Wishlist-SERTF
research grants

\$-

Research interests

- immunotherapy in HER2 positive breast cancer
- elacestrant in metastatic breast cancer
- adjuvant ribociclib in breast cancer
- immunotherapy in small cell lung cancer
- panitumumab in metastatic colorectal cancer
- niraparib in metastatic prostate cancer
- liquid biopsies to profile metastatic colorectal cancer
- immunotherapy and denosumab in kidney cancer
- avelumab in metastatic urothelial cancer
- avelumab in advanced malignancies
- regorafenib in advanced gastro-oesophageal cancer
- adjuvant immunotherapy in non-small cell lung cancer
- clinical trials.

Research Higher Degree students

Nil

Top research publications in 2019

Atwell, D.B., D.D. Vignarajah, B.A. Chan, N. Buddle, P.M. Manders, K. West, M. Knesl, J. Long and M. Min, Referral rates to multidisciplinary team meetings: Is there disparity between tumour streams? *Journal of Medical Imaging and Radiation Oncology* (IF 1.182), 2019. 63(3): p. 378-382.

Davis I.D., 139 other authors including M. Cronk. ENZAMET Trial Investigators and the Australian and New Zealand Urogenital and Prostate Cancer Trials Group Enzalutamide with Standard First-Line Therapy in Metastatic Prostate Cancer. *New England Journal of Medicine* (IF 59.558) 2019 381(2):121-131.

Parente P., B.A. Chan, B. G. M. Hughes, K. Jasas, R. Joshi, S. Kao, F. Hegi*Johnson, R. Hui, S. McLaughlin*Barrett, I. Nordman and E. Stone. Patterns of care for stage III non-small cell lung cancer in Australia. *Asia-Pacific Journal of Clinical Oncology* (IF 1.722). 2019. 15 (3), 93-100

2019 full publication list

Articles

Atwell, D.B., D.D. Vignarajah, B.A. Chan, N. Buddle, P.M. Manders, K. West, M. Knesl, J. Long and M. Min, Referral rates to multidisciplinary team meetings: Is there disparity between tumour streams? *Journal of Medical Imaging and Radiation Oncology* (IF 1.182), 2019. 63(3): p. 378-382.

Davis I.D., 139 other authors including M. Cronk. ENZAMET Trial Investigators and the Australian and New Zealand Urogenital and Prostate Cancer Trials Group Enzalutamide with Standard First-Line Therapy in Metastatic Prostate Cancer. *New England Journal of Medicine* (IF 59.558) 2019 381(2):121-131.

Parente P., B.A. Chan, B. G. M. Hughes, K. Jasas, R. Joshi, S. Kao, F. Hegi-Johnson, R. Hui, S. McLaughlin-Barrett, I. Nordman and E. Stone. Patterns of care for stage III non-small cell lung cancer in Australia. *Asia-Pacific Journal of Clinical Oncology* (IF 1.722). 2019. 15 (3), 93-100

Conference Abstracts

Jiang D.M., C. Suzuki, O. Espin-Garcia, C.s H. Lim, L. X. Ma, P.n Sun, H-W. Sim, A. Natori, B. A. Chan, D. Yokom, S. Moignard, E. X. Chen, G. Liu, C. J. Swallow, G. E. Darling, R.a Wong, R. W-J. Jang and E. Elimova. Surveillance and outcomes after curative resection for gastroesophageal adenocarcinoma (GEAC). *Journal of Clinical Oncology* 37 (15_suppl), e15579-e15579

Morris M., J. Moore, C. Furnival and N. Dunne, Utilisation of adjuvant chemotherapy for women diagnosed with breast cancer in Queensland. *Asia Pacific Journal of Clinical Oncology* (IF 1.722), 2019, 15 (Supp 5), 52-57.

Paxton-Hall, F. Z. Lwin, B.A. Chan, W. Lukin, J. Williams, J. Greenslade and A. Kermond, Analgesic requirement as a predictor of mortality to guide ceilings of care discussions for oncology patients in the emergency room. *Journal of Clinical Oncology* (IF 1.722). 2019. 37 (27_suppl), 188-188

Taylor K., O. Espin-Garcia, D. M. Jiang, D. Yokom, L. X. Ma, C. H. Lim, B. A. Chan, P. Sun, H-W. Sim, A. Natori, G. Liu, G. I E. Darling, R. Wong, E. X. Chen, R. W-J. Jang, P. Veit-Haibach, D. Rozenberg and E. Elimova, Prognostic significance of malnutrition in metastatic esophageal squamous cell carcinoma. *Journal of Clinical Oncology* (IF 1.722). 2019. 37 (4_suppl), 171-171

Turner C. and M. Morris, Real-world outcomes of upfront docetaxel in hormone-sensitive metastatic prostate cancer: Experience from the Adem Crosby Centre, Sunshine Coast University Hospital. *Asia Pacific Journal of Clinical Oncology* (IF 1.722), 2019, 15 (Supp 5), 52-57.

Mental health and addiction services

Research contact:

MHAS Research Committee

SC-MHAS-Medicalworkforce@health.qld.gov.au

Active
research Staff

8

Publications

1

Conference
presentations

2

External research
funding involvement

\$312,343

Wishlist-SERTF
research grants

\$-

Current and future research interests

- sexual health and sexuality in people with major mental illness
- health-e-minds participatory and personalised mental health platforms to encourage and support healthy living behaviours for people with mental illness
- suicide prevention
- reflective practice evaluation
- metabolic abnormalities in mental illness.

Research Higher Degree students

- Fiona Jarrett (Masters)
- Elnike Brand (PhD)
- Adele Wallis (PhD)

External research grants

Emergency Medicine Foundation (\$96,676): An evaluative study of a collaborative ED mental health program. Barrie Field, Annette Woodhouse and others.

Nurses and Midwives Innovation Fund, Queensland Health (\$215,667): Maximising scope of practice Mental Health Nurse Practitioners addressing community clinical complexity and unmet customer need; Rob Leerentveld, Annette Woodhouse



2019 full publication list

Article:

Chesham, B. and C. Dawber, The "All of Us" study - Non-clinical staff members' experience of performing cardiopulmonary resuscitation in acute care settings. *Australasian Emergency Care* (IF 1.424), 2019. 22(4): p. 243-248.

Conference Abstracts and Contributions:

Varnfield M., K. Rajesh, C. Redd, S. Gibson, L. Gwillim and S. Polkinghorne. Health-e Minds: a Participatory Personalised and Gamified mHealth Platform to Support Healthy Living Behaviours for People with Mental Illness. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual Conference 2019* (6943-6947)

Woodhouse, A. People, Passion and Process. A sharing of perspectives on integration in mental health nursing from current practice examples to future possibilities.' *Keynote Speaker, 45th International Mental Health Nursing Conference, Sydney, Oct 2019*

Neuroscience and geriatric

Research contact:

Dr Ingrid Rosbergen

Ingrid.Rosbergen@health.qld.gov.au

Research contact:

Dr Rohan Grimley

Rohan.Grimley@health.qld.gov.au

Active
research staff

20

Publications

16

Conference
presentations

10

External research funding
involvement

\$155,080

Wishlist-SERTF
research grants

\$19,538

Research interests

- Neuroscience and Geriatric Research Collaboration—to build a strong research program within neuroscience department across acute, subacute and community with a focus to translate evidence-based knowledge into clinical practice, improve quality of care and health service delivery.
- Our researchers have advanced experience in data analytics, multidisciplinary care delivery and implementation science, physical activity, cognition and recovery from age-related diseases and impairments.

Research Higher Degree students

- Claire Stewart (PhD)
- Amanda Baker (PhD)
- Alana Campbell (PhD)
- Rohan Grimley (PhD)

External research grants

Health Practitioner Research Scheme (\$155,080): The efficacy of telerehabilitation compared with centre-based community rehabilitation on time spent physically active in people with stroke: a pilot randomized controlled trial; Rosbergen I, Grimley R, Russell T, Brauer S, Tracey C, Greveling N, Endacott J, Comans T.

Internal research grants

Wishlist-SERTF (\$19,538): The efficacy of telerehabilitation compared with centre-based community rehabilitation on time spent physically active in people with stroke: a pilot randomized controlled trial; Rosbergen I, Grimley R, Russell T, Brauer S, Tracey C, Greveling N, Endacott J, Comans T.

Future Research Plans/Interests

- To grow a strong 'Neuroscience and Geriatric Research Collaborative' which results in growth of research activities across acute, subacute and community in close collaboration with stakeholders. The collaborative focus will include multidisciplinary care, activity, health service research, and rehabilitation and recovery from age related diseases and impairments.
- Samantha Robertson recently received a PhD scholarship valued at \$180,000: She will investigate 'The impact of a clinically-led innovation of the ieMR for stroke on integrated care, interprofessional practice and real-time data analytics.' She will commence her PhD in the second half of 2020.
- Continue to contribute to large international, multi-site RCTs
- Initiate in 2020/ 2021 Co-design and RCT 'Efficacy of telerehabilitation post stroke'

Top Research Publications in 2019

Blythe, R., S. Kularatna, N. White, N. Graves, K. Clark, H. Middleton, and R. Grimley, Fits, faints, falls and funny turns: cost and capacity savings in Queensland from the accelerated transient attack pathway initiative (ATAP). *Age & Ageing* (IF 4.201), 2019. 48(5): p. 745-750.

Cadilhac, D.A., R. Grimley, M.F. Kilkenny, N.E. Andrew, N.A. Lannin, K. Hill, B. Grabsch, C.R. Levi, A.G. Thrift, S.G. Faux, J. Wakefield, G. Cadigan, G.A. Donnan, S. Middleton, and C.S. Anderson, Multicenter, Prospective, Controlled, Before-and-After, Quality Improvement Study (Stroke123) of Acute Stroke Care. *Stroke* (IF 5.787) (00392499), 2019. 50(6): p. 1525-1530.

Grimley, R.S., I.C.M. Rosbergen, L. Gustaffson, E. Horton, T. Green, G. Cadigan, D.A. Cadilhac, and S. Kuys, Assessment and selection for rehabilitation following acute stroke: a prospective cohort study in Queensland, Australia. *Clinical Rehabilitation* (IF 2.403), 2019. 33(7): p. 1252-1263.

Horsley, S., N.A. Lannin, K.S. Hayward, and R.D. Herbert, Additional early active repetitive motor training did not prevent contracture in adults receiving task-specific upper limb training after stroke: a randomised trial. *Journal of Physiotherapy* (IF 4.000), 2019. 65(2): p. 88-94.

Robertson S.T., R.S. Grimley, C. Anstey and I.C. Rosbergen. Acute stroke patients not meeting their nutrition requirements: Investigating nutrition within the enriched environment. *Clinical Nutrition* (IF 4.487) 2019. Epub ahead of print.

Rosbergen, I.C., R.S. Grimley, K.S. Hayward, and S.G. Brauer, The impact of environmental enrichment in an acute stroke unit on how and when patients undertake activities. *Clinical Rehabilitation* (IF 2.403), 2019. 33(4): p. 784-795.

Stewart, C., E. Power, A. McCluskey and S. Kuys. Development of a participatory, tailored behaviour change intervention to increase active practice during inpatient stroke rehabilitation. *Disability and Rehabilitation* (IF 1.919), 2019 1-9, Epub ahead of print.

2019 Full Publication List cont.

Articles

Andrew, N.E., S. Middleton, R. Grimley, C.S. Anderson, G.A. Donnan, N.A. Lannin, E. Stroil-Salama, B. Grabsch, M.F. Kilkenny, J.E. Squires, D.A. Cadilhac, and I. the Stroke, Hospital organizational context and delivery of evidence-based stroke care: a cross-sectional study. *Implementation Science* (IF 3.201), 2019. 14(1): p. 6.

Blythe, R., S. Kularatna, N. White, N. Graves, K. Clark, H. Middleton, and R. Grimley, Fits, faints, falls and funny turns: cost and capacity savings in Queensland from the accelerated transient attack pathway initiative (ATAP). *Age & Ageing* (IF 4.201), 2019. 48(5): p. 745-750.

Cadilhac, D.A., R. Grimley, M.F. Kilkenny, N.E. Andrew, N.A. Lannin, K. Hill, B. Grabsch, C.R. Levi, A.G. Thrift, S.G. Faux, J. Wakefield, G. Cadigan, G.A. Donnan, S. Middleton, and C.S. Anderson, Multicenter, Prospective, Controlled, Before-and-After, Quality Improvement Study (Stroke123) of Acute Stroke Care. *Stroke* (IF 5.787) (00392499), 2019. 50(6): p. 1525-1530.

Cadilhac, D.A., M.F. Kilkenny, N.A. Lannin, H.M. Dewey, C.R. Levi, K. Hill, B. Grabsch, R. Grimley, D. Blacker, A.G. Thrift, S. Middleton, C.S. Anderson, and G.A. Donnan, Outcomes for Patients With In-Hospital Stroke: A Multicenter Study From the Australian Stroke Clinical Registry (AuSCR). *Journal of Stroke & Cerebrovascular Diseases* (IF 1.599), 2019. 28(5): p. 1302-1310.

Chapman C, D.A. Cadilhac, P. Morgan, M.F. Kilkenny, R. Grimley, V. Sundararajan, T. Purvis, T. Johnston, N.A. Lannin, N.E. Andrew. Chest infection within 30 days of acute stroke, associated factors, survival and the benefits of stroke unit care: analysis using linked data from the Australian Stroke Clinical Registry. *International Journal of Stroke* (IF 3.044), 2019 Epub ahead of print.

2019 Full Publication List cont.

- Dalli, L.L., J. Kim, A.G. Thrift, N.E. Andrew, N.A. Lannin, C.S. Anderson, R. Grimley, J.M. Katzenellenbogen, J. Boyd, R.I. Lindley, M. Pollack, M. Jude, R. Durairaj, D. Shah, D.A. Cadilhac, and M.F. Kilkenny, Disparities in Antihypertensive Prescribing After Stroke: Linked Data From the Australian Stroke Clinical Registry. *Stroke* (IF 5.787) (00392499), 2019. 50(12): p. 3592-3599.
- Grimley, R.S., I.C.M. Rosbergen, L. Gustaffson, E. Horton, T. Green, G. Cadigan, D.A. Cadilhac, and S. Kuys, Assessment and selection for rehabilitation following acute stroke: a prospective cohort study in Queensland, Australia. *Clinical Rehabilitation* (IF 2.403), 2019. 33(7): p. 1252-1263.
- Horsley, S., N.A. Lannin, K.S. Hayward, and R.D. Herbert, Additional early active repetitive motor training did not prevent contracture in adults receiving task-specific upper limb training after stroke: a randomised trial. *Journal of Physiotherapy* (IF 4.000), 2019. 65(2): p. 88-94.
- Kilkenny M., L. Dalli, J. Kim, V. Sundararajan, N. Andrew, H. Dewey, T. Johnston, S. Alif, R. Lindley, M. Jude, D. Blacker, N. Gange, R. Grimley, J. Katzenellenbogen, A. Thrift, N. Lannin. Factors associated with 90-day readmission after stroke/TIA using linked observational Australian Stroke Registry data *Stroke* (IF 5.787), 2019 Epub ahead of print.
- Kilkenny, M.F., R. Grimley, and N.A. Lannin, Quality of life and age following stroke. *Aging* (IF 5.515), 2019. 11(3): p. 845-846.
- Kilkenny, M.F., N.A. Lannin, C. Levi, S.G. Faux, H.M. Dewey, R. Grimley, K. Hill, B. Grabsch, J. Kim, P. Hand, V. Crosby, M. Gardner, J. Rois-Gnecco, V. Thijs, C.S. Anderson, G. Donnan, S. Middleton, and D.A. Cadilhac, Weekend hospital discharge is associated with suboptimal care and outcomes: An observational Australian Stroke Clinical Registry study. *International Journal of Stroke* (IF 3.044), 2019. 14(4): p. 430-438.
- Ma, H., B.C.V. Campbell, M.W. Parsons, L. Churilov, C.R. Levi, C. Hsu, T.J. Kleinig, T. Wijeratne, S. Curtze, H.M. Dewey, F. Miteff, C.H. Tsai, J.T. Lee, T.G. Phan, N. Mahant, M.C. Sun, M. Krause, J. Sturm, R. Grimley, C.H. Chen, C.J. Hu, A.A. Wong, D. Field, Y. Sun, P.A. Barber, A. Sabet, J. Jannes, J.S. Jeng, B. Clissold, R. Markus, C.H. Lin, L.M. Lien, C.F. Bladin, S. Christensen, N. Yassi, G. Sharma, A. Bivard, P.M. Desmond, B. Yan, P.J. Mitchell, V. Thijs, L. Carey, A. Meretoja, S.M. Davis, G.A. Donnan, and E. Investigators, Thrombolysis Guided by Perfusion Imaging up to 9 Hours after Onset of Stroke. *New England Journal of Medicine* (59.558), 2019. 380(19): p. 1795-1803.
- Phan, H.T., S.L. Gall, C.L. Blizzard, N.A. Lannin, A.G. Thrift, C.S. Anderson, J. Kim, R. Grimley, H.C. Castley, P. Hand, and D.A. Cadilhac, Sex Differences in Care and Long-Term Mortality After Stroke: Australian Stroke Clinical Registry. *Journal of Women's Health* (IF 2.032), 2019. 28(5): p. 712-720.
- Robertson S.T., R.S. Grimley, C. Anstey and I.C. Rosbergen. Acute stroke patients not meeting their nutrition requirements: Investigating nutrition within the enriched environment. *Clinical Nutrition* (IF 4.487) 2019. Epub ahead of print.
- Rosbergen, I.C., R.S. Grimley, K.S. Hayward, and S.G. Brauer, The impact of environmental enrichment in an acute stroke unit on how and when patients undertake activities. *Clinical Rehabilitation* (IF 2.403), 2019. 33(4): p. 784-795.
- Stewart, C., E. Power, A. McCluskey and S. Kuys. Development of a participatory, tailored behaviour change intervention to increase active practice during inpatient stroke rehabilitation. *Disability and Rehabilitation* (IF 1.919), 2019 1-9, Epub ahead of print.
- Conference Abstracts/Speaker Contributions
- Baker A, P. Cornwell, A. Karwaj. Person centered and goal directed rehabilitation. How are we doing in Queensland? Presented at Qld Health Clinical Excellence Showcase (Awarded Qld Health Clinical excellence award).
- Bhattacharya, J., A. Craswell, and R. Grimley, An epidemiological study of falls presentations in the elderly in a regional hospital. *Age and Ageing* (IF 4.201), 2019. 48(2): p. iv18.
- Cadilhac D., S. Middleton, C. Anderson, K. Hill, S. Breen, M. Kilkenny, J. Kim, R. Grimley, S. Faux, C. Levi, G. Donnan, N. Lannin. 10 years of implementing the Australian stroke clinical registry: adapting to changing waistlines and hairstyles. European Stroke Organisation Conference 2019; Milan, Italy 2019. *European Stroke Journal* (IF 1.770) 2019, Vol. 4(1S) p. 666
- Field D., P. Morgan, D. Cadilhac, T. Purvis, R. Grimley, M.F. Kilkenny, N.E. Andrew. A profile of adult patients with stroke and risk of death up to 90 days after very early mobilisation Presented at Stroke 2019 Canberra Sept 2019. *International Journal of Stroke* 2019, 14(2S) 3-30.
- Green T., K. Marnane, R. Grimley, I. Rosbergen and L. Gustaffson. Experiences of patients with stroke and family members of post-acute rehabilitation decision-making and community-based rehabilitation. European Stroke Organisation Conference 2019; Milan, Italy.
- Kilkenny M, L. Dalli, J. Kim, D. Lopez,,R. Grimley, R. Lindley, V. Sundararajan, D. Cadilhac. Utility of the Hospital Frailty Risk score derived from administrative data and the association with stroke outcomes: linked Registry study Presented at Stroke2019 Canberra Sept 2019. *International Journal of Stroke* 2019, 14(2S) 3-30
- Lannin N, J. Kim, N. Andrew, L. Dalli, R. Grimley, C. Anderson, V. Sundararajan, A. Thrift, D. Cadilhac and M. Kilkenny. Prevalence of risk factors in younger patients with stroke. Presented at Stroke 2019 Canberra Sept 2019. *International Journal of Stroke* 2019, 14(2S) 3-30
- Lynch E, A. Labberton, J. Kim, M. Kilkenny, N.A. Andrew, N. Lannin, R. Grimley, S. Faux and D. Cadilhac. Is access to inpatient rehabilitation after stroke associated with better long-term outcomes? Evidence from the Australian Stroke Clinical Registry 2010–2013 Presented at Stroke2019 Canberra Sept 2019. *International Journal of Stroke* (IF 3.044) 2019, 14(2S) 3–30
- Proot, P., J. Melling, B. Tsang, M. Ferraris, N. Murphy, M. Nelson, M. Pedrazzoli, M. Marchina, and E. Lahouiri, Impact assessment of clinic management interventions on efficiency in three headache centers. *Cephalalgia* (IF 6.052), 2019. 39(1): p. 107.
- Rosbergen I., I. Tonello, R. Clark, S. Horsley, K. Walker, E. Farrow and R. Grimley. Does the physical hospital environment impact on activity levels and social isolation in patients within an acute stroke and subacute inpatient rehabilitation unit. Smart Stroke Conference 2019. *International Journal of Stroke* (IF3.044) 2019, 14, (1S), (Awarded best Abstract)

Pharmacy

Research Contact:

Paul Williams

Paul.Williams@health.qld.gov.au

Active
research staff

18

Publications

3

Conference
presentations

5

External research
funding involvement

\$25,956

Wishlist-SERTF
research grants

\$78,500

Research interests

- Antimicrobial agents (PK/PD dosing in the critically ill, elastomeric devices, delabelling antibiotic allergies, sepsis collaborative, antimicrobial stewardship).
- Anticoagulation (fibrinolysis, Enoxaparin dosing and anti-Xa levels).
- Digital platforms (ieMR and automated medication supply).
- Colony stimulating factors to treat febrile neutropenia.

Research Higher Degree students

- Lilian Gauld (PhD)
- Paul Williams (PhD)

External research grants

Pathology Queensland (\$25,956): Does guideline-based dosing of beta lactam antibiotics and vancomycin achieve target drug concentrations more than therapeutic drug monitoring-based dosing in critically ill patients? (GUIDE Trial); Paul Williams

Internal research grants

Wishlist/SERTF (\$20,000): Elastomeric beta-lactam study; Jessica Hambly

Wishlist/SERTF (\$39,823): PIMS Study: An investigation of the utility of micro-sampling versus traditional blood sampling for antibiotic pharmacokinetics in Children; Paula Lister, Kayla Doyle

Wishlist/SERTF (\$19,512): Does guideline-based dosing of beta lactam antibiotics and vancomycin achieve target drug concentrations more than therapeutic drug monitoring-based dosing in critically ill patients? (GUIDE Trial); Paul Williams

Future research plans/interests

Continue with current interest areas and expand our pharmacy practice research (i.e. benefits of specialist telehealth services, partnered prescribing, deprescribing)

Top research publications in 2019

Williams P., G. Beall, M.O. Cotta and J.A. Roberts, Antimicrobial dosing in critical care: A pragmatic adult dosing nomogram. *International Journal of Antimicrobial Agents* (IF 4.097), 2019, Epub ahead of print.

Williams, P., M.O. Cotta, and J.A. Roberts, Pharmacokinetics/Pharmacodynamics of β -Lactams and Therapeutic Drug Monitoring: From Theory to Practical Issues in the Intensive Care Unit. *Seminars in Respiratory and Critical Care Medicine* (IF 2.274), 2019. 40(4): p. 476-487.

2019 full publication list

Articles

Crass RL, P. Williams and J.A. Roberts. The challenge of quantifying and managing pharmacokinetic variability of beta-lactams in the critically ill. *Anaesthesia, Critical Care and Pain Medicine* (IF 2.734). 2019, Epub ahead of print

Williams P., G. Beall, M.O. Cotta and J.A. Roberts, Antimicrobial dosing in critical care: A pragmatic adult dosing nomogram. *International Journal of Antimicrobial Agents* (IF 4.097), 2019, Epub ahead of print.

Williams, P., M.O. Cotta, and J.A. Roberts, Pharmacokinetics/Pharmacodynamics of β -Lactams and Therapeutic Drug Monitoring: From Theory to Practical Issues in the Intensive Care Unit. *Seminars in Respiratory and Critical Care Medicine* (IF 2.274), 2019. 40(4): p. 476-487.

Conference Abstracts/Speaker Contributions

Davies A. Know your anticoagulant, Health Round Table Medication Safety Improvement Group, Brisbane, June 2019.

Hansen M and P. Williams. Optimisation of Pharmacist documentation in an integrated electronic medical record. SHPA 45th National Conference – Medicines Management, Gold Coast, November 2019

Williams P. Dosing guidelines to optimise antibiotic effectiveness. National Forum on Antimicrobial Resistance. UQ CCR, Brisbane, November 2019. Presentation

Williams P. Queensland Critical Care Research Forum – Introduction from the Chairperson. GCUH, Gold Coast, July 2019.

Williams P, E. McCourt, J. Coombes, S. Stacey, A. Hale. When/why to do a Research Higher Degree? SHPA Pharmacy Research Symposium, Pharmacy Australia Centre of Excellence (PACE) Brisbane, October 2019. Panel discussion.

Practice development

Research contact:

Dr Lorraine Thompson

Lorraine.Thompson@health.qld.gov.au

Active
research staff

1

Publications

1

Conference
presentations

3

External research
funding involvement

\$-

Wishlist-SERTF
research grants

\$-

Research interests

- clinical coaching
- nursing education.

Research Higher Degree students

Nil

Top research publications in 2019

El Haddad, M., Wilkinson, G., Thompson, L., Faithfull-Byrne, A., and Moss, C. Perceptions of the impact of introducing administrative support for nurse unit managers: A qualitative evaluation. *Journal of Nursing Management* [IF 2.386], 2019. 27(8): p. 1700-1711.

2019 full publication list

Articles

El Haddad, M., Wilkinson, G., Thompson, L., Faithfull-Byrne, A., and Moss, C. Perceptions of the impact of introducing administrative support for nurse unit managers: A qualitative evaluation. *Journal of Nursing Management* [IF 2.386], 2019. 27(8): p. 1700-1711.

Conference Abstracts/Speaker Contributions

Faithfull-Byrne, A., Thompson, L., Gonzalez, J., Geisler, K., Hallinan, C., Wilkinson, G. and Moss, C. Empowering professionals at the point of care: the role of the clinical coach in patient safety. *Nursing and Midwifery Leadership Conference 2019*. Crown Conference Centre, Perth. 28th–29th November 2019.

Gonzalez, J., Thompson, L., El Haddad, M., Faithfull-Byrne, A. Wilkinson, G. and Moss, C. Translating theory into practice: an immersive leadership course for nurse/midwifery unit managers. *Nursing & Midwifery Leadership Conference 2019*. Crown Conference Centre, Perth. 28th–29th November 2019.

Thompson, L., Welch, A. and Barr, J. Coaching for clinical nurse leaders: a mixed methods study. *Nursing and Midwifery Leadership Conference 2019*. Crown Conference Centre, Perth. 28th–29th November 2019.

Radiation oncology

Research contact:

Dr Myo Min

Myo.Min@health.qld.gov.au

Active
research staff

9

Publications

2

Conference
presentations

2

External research funding
involvement

\$659,386

Wishlist-SERTF
research grants

\$118,328

Research interests

Functional imaging guided radiation therapy.

Research Higher Degree Students

- Nathan Hearn (PhD) *Winner of 2019 Coverdale Anstey Young Investigator Prize
- Daisy Atwell (PhD)
- Katelyn Cahill (PhD)

External Research Grants

New Technology Funding and Evaluation Program (NTFEP) Grant (\$659,386): Grant for implementation of Radiation Therapy Planning MRI Simulator (Queensland First)

Internal Research Grants

IQRE Research Grant (\$118,328): Support resourcing of dedicated research radiation therapist

Top Research Publications in 2019

Atwell, D.B., C. Booth, D.D. Vignarajah, M. Knesl, N. Buddle, M. Hoozer, and M. Min, Radiation Oncology Quality Assessment Tool: A proposal for a new audit tool in modern radiation oncology. *Journal of Medical Imaging and Radiation Oncology* (IF 1.182), 2019. 63(5): p. 691-697.

Atwell, D.B., D.D. Vignarajah, B.A. Chan, N. Buddle, P.M. Manders, K. West, M. Knesl, J. Long and M. Min, Referral rates to multidisciplinary team meetings: Is there disparity between tumour streams? *Journal of Medical Imaging and Radiation Oncology* (IF 1.182), 2019. 63(3): p. 378-382.

2019 Full Publication List

Atwell, D.B., C. Booth, D.D. Vignarajah, M. Knesl, N. Buddle, M. Hoozer, and M. Min, Radiation Oncology Quality Assessment Tool: A proposal for a new audit tool in modern radiation oncology. *Journal of Medical Imaging and Radiation Oncology* (IF 1.182), 2019. 63(5): p. 691-697.

Atwell, D.B., D.D. Vignarajah, B.A. Chan, N. Buddle, P.M. Manders, K. West, M. Knesl, J. Long C. and M. Min, Referral rates to multidisciplinary team meetings: Is there disparity between tumour streams? *Journal of Medical Imaging & Radiation Oncology* (IF 1.182), 2019. 63(3): p. 378-382.

Conference Abstracts/Speaker Contributions

Hearn N. Feasibility of integrating routine diagnostic functional magnetic resonance imaging for novel applications in head and neck radiation therapy planning. Australian MRI in Radiotherapy Conference 2019, Noosa, November 2019.

Atwell D., C. D. Vignarajah, and M. Min. A review of radiotherapy dose escalation in mucosal primary head and neck cancer. Royal Australian and New Zealand College of Radiologists (RANZCR) Conference, Auckland 2019.

Renal

Research contact:

Adj Prof Rathika Krishnasamy

Rathika.Krishnasamy@health.qld.gov.au

Active
research staff

4

Publications

19

Conference
presentations

2

External research
funding involvement

\$6.6m

Wishlist-SERTF
research grants

\$65k

Research interests

- improving outcomes for dialysis patients
- calciphylaxis (calcium accumulation in small blood vessels) in renal disease
- reducing the burden of renal dialysis catheter complications.

Research Higher Degree students

- Dev Jegatheesan (PhD)
- Melissa Nataatmadja (PhD)
- Catherine McFarlane (PhD)
- Heidi Kickbusch (Honours)
- Katelyn Bowden (Honours)

External research grants

Medical Research Future Fund (\$2.2 million): Better Evidence and Translation for Calciphylaxis (BEAT-Calci); Rathika Krishnasamy

Health Research Council of New Zealand (\$NZ 1.26 million): Serum phosphate to improve outcome for dialysis patients: The PHOSPHATE trial; Rathika Krishnasamy

NHMRC Project Grant 1170281 (\$1.7 million): Pragmatic randomised trial of High or Standard Phosphate Targets in End-stage kidney disease: The PHOSPHATE trial; Rathika Krishnasamy

NHMRC Partnership Grant 1103241 (\$1.2m): Reducing the burden of dialysis catheter complications: a National approach; Nicholas Gray

Queensland Advancing Clinical Research Fellowship (\$300,000); Rathika Krishnasamy

Baxter Investigator Initiated Grant; REMOVAL-HD sub-study (\$3000); Rathika Krishnasamy

Internal Research Grants

Wishlist/SERTF 2019-16 (\$50,000): Social justice and antimicrobial resistance: a Sociological study of vulnerability; **Nicholas Gray**.

Wishlist/SERTF 2018 (\$15,220): Patient-centred approaches to improving physical function in kidney disease; **Rathika Krishnasamy**.

Future research plans/interests

1. NHMRC grant submission: A randomised controlled trial to compare impact of arteriovenous fistula vs tunnellised dialysis catheter on hospitalisation in the elderly.
2. The effect of Theranova dialyser and magnesium on cardiovascular outcomes in haemodialysis.
3. ARC grant application: Social justice and antimicrobial resistance: a Sociological study of vulnerability.
4. Quality of life and burden among caregivers of people with end stage kidney disease managed on a non-dialysis pathway.
5. Global Kidney Patient Trials Network.

Top research publications in 2019

Gilbertson, E.L., R. Krishnasamy, C. Foote, A.L. Kennard, M.J. Jardine, and N.A. Gray, Burden of Care and Quality of Life Among Caregivers for Adults Receiving Maintenance Dialysis: A Systematic Review. *American Journal of Kidney Diseases* (IF 6.269), 2019. 73(3): p. 332-343.

Smyth, B., O. van den Broek-Best, D. Hong, K. Howard, K. Rogers, L. Zuo, N.A. Gray, J.R. de Zoysa, C.T. Chan, H. Lin, L. Zhang, J. Xu, A. Cass, M. Gallagher, V. Perkovic, and M. Jardine, Varying association of extended hours dialysis with quality of life. *Clinical Journal of the American Society of Nephrology* (IF 4.657), 2019. 14(12): p. 1751-1762.

Prasad, S.B., K. Guppy-Coles, T. Stanton, J. Armstrong, R. Krishnaswamy, G. Whalley, J.J. Atherton, and L. Thomas, Relation of Left Atrial Volumes in Patients with Myocardial Infarction to Left Ventricular Filling Pressures and Outcomes. *American Journal of Cardiology* (IF 3.154), 2019. 124(3): p. 325-333.

Prasad, S.B., K.B. Guppy-Coles, D. Holland, T. Stanton, R. Krishnasamy, G. Whalley, J.J. Atherton, and L. Thomas, Echocardiographic predictors of all-cause mortality in patients with left ventricular ejection fraction $\geq 35\%$: Value of guideline-based assessment of diastolic dysfunction. *International Journal of Cardiology. Heart and Vasculture* (IF 4.638), 2019 Epub 24: p. 100407.

Gray, N.A., L. Zuo, D. Hong, B. Smyth, M. Jun, J. De Zoysa, K. Vo, K. Howard, J. Wang, C. Lu, Z. Liu, A. Cass, V. Perkovic, and M. Jardine, Quality of life in caregivers compared with dialysis recipients: The Co-ACTIVE sub-study of the ACTIVE dialysis trial. *Nephrology* (IF 1.796), 2019. 24(10): p. 1056-1063.

McFarlane, C., C.I. Ramos, D.W. Johnson, and K.L. Campbell, Prebiotic, Probiotic, and Synbiotic Supplementation in Chronic Kidney Disease: A Systematic Review and Meta-analysis. *Journal of Renal Nutrition* (IF 2.060), 2019. 29(3): p. 209-20.

2019 full publication list

Articles

Craswell A, D. Massey, M. Wallis, D. Sriram, N. Gray, S. Kotwal. Current practice in dialysis central venous catheter management: multi-disciplinary renal team perspectives. *Nephrology (Carlton)* 2019 Epub ahead of print.

Gilbertson, E.L., R. Krishnasamy, C. Foote, A.L. Kennard, M.J. Jardine, and N.A. Gray, Burden of Care and Quality of Life Among Caregivers for Adults Receiving Maintenance Dialysis: A Systematic Review. *American Journal of Kidney Diseases* (IF 6.269), 2019. 73(3): p. 332-343.

Gray, N.A., L. Zuo, D. Hong, B. Smyth, M. Jun, J. De Zoysa, K. Vo, K. Howard, J. Wang, C. Lu, Z. Liu, A. Cass, V. Perkovic, and M. Jardine, Quality of life in caregivers compared with dialysis recipients: The Co-ACTIVE sub-study of the ACTIVE dialysis trial. *Nephrology* (IF 1.796), 2019. 24(10): p. 1056-1063.

Krishnasamy R, D. Jegatheesan, P. Lawton, N.A. Gray. Socioeconomic status and dialysis quality of care. *Nephrology (Carlton)* 2019 Epub ahead of print

Krishnasamy, R., C.I. Wilkinson, C.D. McClure, M. Wilson, J. Bashford, C.J. Clark and N.A. Gray, Contact precautions for colonisation with multidrug-resistant organisms and haemodialysis patient quality of life and mood: a pilot case-control study. *Renal Society of Australasia Journal* (IF 0.320), 2019. 15(1): p. 19-25.

Liao, J.L., O. van den Broek-Best, B. Smyth, D. Hong, K. Vo, L. Zuo, N.A. Gray, C.T. Chan, J. de Zoysa, V. Perkovic, L. Jiang, and M. Jardine, Effect of extended hours dialysis on sleep quality in a randomized trial. *Nephrology (Carlton)* (IF 1.796), 2019. 24(4): p. 430-437.

McFarlane, C., C.I. Ramos, D.W. Johnson, and K.L. Campbell, Prebiotic, Probiotic, and Synbiotic Supplementation in Chronic Kidney Disease: A Systematic Review and Meta-analysis. *Journal of Renal Nutrition* (IF 2.060), 2019. 29(3): p. 209-20.

Prasad, S.B., K. Guppy-Coles, T. Stanton, J. Armstrong, R. Krishnaswamy, G. Whalley, J.J. Atherton, and L. Thomas, Relation of Left Atrial Volumes in Patients with Myocardial Infarction to Left Ventricular Filling Pressures and Outcomes. *American Journal of Cardiology* (IF 3.154), 2019. 124(3): p. 325-333.

Prasad, S.B., K.B. Guppy-Coles, D. Holland, T. Stanton, R. Krishnasamy, G. Whalley, J.J. Atherton, and L. Thomas, Echocardiographic predictors of all-cause mortality in patients with left ventricular ejection fraction $\geq 35\%$: Value of guideline based assessment of diastolic dysfunction. *International Journal of Cardiology. Heart and Vasculture* (IF 4.638), 2019 Epub 24: p. 100407.

2019 full publication list

- Ruderman, I., S.G. Holt, G.S. Kirkland, S. Maslen, C.M. Hawley, V. Oliver, R. Krishnasamy, N.A. Gray, G.S. Talaulikar, C.L. Nelson, Y. Rajaram, H. Gock, E. Au, G.J. Elder, R. Mainra, and N.D. Toussaint, Outcomes of cinacalcet withdrawal in Australian dialysis patients. *Internal Medicine Journal* (IF 1.767), 2019. 49(1): p. 48-54.
- Ruderman I, N.D. Toussaint, C.M. Hawley, R. Krishnasamy, E. Pedagogos, N. Lioufas, G.J. Elder. The Australian Calciphylaxis Registry: reporting clinical features and outcomes of patients with calciphylaxis. *Nephrology Dialysis Transplantation* (IF 4.085) 2019 Epub ahead of print.
- Smyth B, S. Kotwal, M. Gallagher, N.A. Gray and K. Polkinghorne. Arteriovenous access practices in Australian and New Zealand dialysis units. *Journal of Vascular Access* (IF 1.535) 2019. 20: 740-745
- Smyth, B., S. Kotwal, M. Gallagher, N.A. Gray, K. Polkinghorne, and R.P. Project, Dialysis catheter management practices in Australia and New Zealand. *Nephrology* (IF 1.796), 2019. 24(8): p. 827-834.
- Smyth, B., O. van den Broek-Best, D. Hong, K. Howard, K. Rogers, L. Zuo, N.A. Gray, J.R. de Zoysa, C.T. Chan, H. Lin, L. Zhang, J. Xu, A. Cass, M. Gallagher, V. Perkovic, and M. Jardine, Varying association of extended hours dialysis with quality of life. *Clinical Journal of the American Society of Nephrology* (IF 4.657), 2019. 14(12): p. 1751-1762.
- Taryana AA, R. Krishnasamy, C. Bohm, S.C. Palmer, N. Wiebe, N. Boudville, J. MacRae, J.S. Coombes, C. Hawley, N. Isbel, S. Thompson. Physical activity for people with chronic kidney disease: an international survey of nephrologist practice patterns and research priorities. *BMJ Open* (IF 2.562), 2019. 18;9 (12):e032322.
- Wright H., H. Kickbusch, L. Swanepoel, N.A. Gray, Factors influencing low sodium intake in people with non-dialysis dependent chronic kidney disease. *Journal of Renal Care* (IF 1.216) Epub ahead of print.
- Zhan, Z., B. Smyth, N.D. Toussaint, N.A. Gray, L. Zuo, J.R. de Zoysa, C.T. Chan, C. Jin, A. Scaria, C.M. Hawley, V. Perkovic, M.J. Jardine, and L. Zhang, Effect of extended hours dialysis on markers of chronic kidney disease-mineral and bone disorder in the ACTIVE Dialysis study. *BMC Nephrology* (IF 2.289), 2019. 20(1): e258.
- Zhang J, H.G. Healy, K. Baboolal, Z. Wang, S.K. Venuthurupalli, K.-S. Tan. A. Cameron, W.E. Hoy, R. Fassett, T. Han, G. Kan, T. Titus, K. Madhan, M. Mantha, C. Banny, S. Govindarajulu, N. Gray, A. Rolfe, D. Ranganathan., C. Mutatiri, S. Hossain, D. Wu, and R. Cherian. Frequency and consequences of acute kidney injury in patients with CKD: A registry study in Queensland Australia. *Kidney Medicine* (IF Not Yet Rated) 2019. 1(4): 180-190
- Conference Abstracts/Speaker Contributions
- Krishnasamy R. Baxter HDx Theranova Symposium, World Congress of Nephrology, Melbourne 2019.
- Nataatmadja M, Krishnasamy R, Zuo L, Hong D, Smyth B, Jun M, de Zoysa J, Howard K, Wang J, Liu Z, Chan C, Cass A, Perkovic V, Jardine M, Gray N. Quality of life in caregivers of patients receiving standard versus extended hours haemodialysis: the Co-ACTIVE sub-study of the ACTIVE dialysis trial. *American Society of Nephrology Kidney Week*, Washington DC, 2019
- Book Chapter/Therapeutic Guideline
- Nataatmadja M, J. Graham, M. Beaulieu, N. Zalunardo, A. Levin. The role of the chronic kidney disease clinic and multidisciplinary team care. In: *Chronic Kidney Disease, Dialysis and Transplantation: A Companion to Brenner and Rector's The Kidney* (Fourth Edition). Saunders Elsevier, Philadelphia, 2019

Respiratory and sleep medicine

Research contact:

Dr Michael Bint

Michael.Bint@health.qld.gov.au

Research contact:

Dr Timothy Baird

Timothy.Baird@health.qld.gov.au

Active
research staff

10

Publications

4

Conference
presentations

4

External research funding
involvement

\$300,000

Wishlist-SERTF
research grants

\$20,000

Research interests

- lung cancer and genome sequencing
- pulmonary infection next-generation diagnostics, imaging and treatments
- management of malignant pleural effusion
- sleep-related hypoventilation
- detection, treatment and complications of embolism
- clinical trials.

Research Higher Degree students

Nil

External research grants

Advance Queensland Industry Research Fellowship (\$300,000; 2019-2021): Next-generation diagnostics for chronic lung disease infections. Chief Investigator – A/Prof Erin Price (USC), Co-Investigators Michael Bint and Timothy Baird

Internal research grants

Wishlist/SERTF 2019-2021 (\$20,000): Using metagenomics to improve diagnostics of chronic obstructive pulmonary disease (COPD) pulmonary infections; Timothy Baird

Future Research Plans/Interests

1. Lung Cancer 18-fluorodeoxyglucose (FDG) PET Study.
2. Lung Cancer Microbiome Study.
3. Next-generation diagnostics in pleural space infection.
4. Australian Bronchiectasis Registry (member site).
5. Australian and New Zealand Pulmonary Hypertension Registry (member site).

2019 Full Publication List

Articles:

- Anderson, J.J., E.M. Lau, M Lavender et al (21 further authors) Retrospective Validation of the REVEAL 2.0 Risk Score with the Australian and New Zealand Pulmonary Hypertension Registry Cohort. *Chest* (IF 7.221), 2019, 157(1):167-172.
- Gibson, J., T. Baird, S. Pandey, C. Tolson, C. Coulter, G. Eather, and R. Thomson, The clinical significance of *Mycobacterium triplex*. *Respiratory Medicine* (IF 3.036), 2019. 159: p. 5 (Article 105808).
- Samaranayake C.B., J. Neill J. and M. Bint. Respiratory acute discharge service: a hospital in the home programme for chronic obstructive pulmonary disease exacerbations (RADS Study). *Journal of Internal Medicine* (IF 1.767). 2019. Epub ahead of print.
- Stewart, A., D. Sowden, M. Caffery, M. Bint, and J. Broom, *Rhodococcus equi* infection: A diverse spectrum of disease. *IDCases* (IF 0.790), 2019. 15 e00487.

Conference Abstracts

- Anderson, J., E. Lau, M. Lavender, R. Benza, D. Celermajer, N. Collins, C. Corrigan, N. Dwyer, J. Feenstra, M. Horrigan, D. Keating, E. Kotlyar, T. McWilliams, B. Rhodes, P. Steele, V. Thakkar, T. Williams, H. Whitford, K. Whyte, R. Weintraub, J. Wrobel, A. Keogh, and G. Strange, Validation of the REVEAL 2.0 risk score with the Australian and New Zealand pulmonary hypertension registry cohort. *European Respiratory Journal* (IF 8.332), 2019. 54.
- Anderson, J., M. Lavender, E. Lau, D. Celermajer, N. Collins, N. Dwyer, J. Feenstra, M. Horrigan, D. Keating, A. Keogh, E. Kotlyar, B. Ng, S. Proudman, P. Steele, V. Thakkar, R. Weintraub, H. Whitford, T. Williams, J. Wrobel and G. Strange. Pharmacological treatment of pulmonary arterial hypertension in Australia: current trends and challenges. Australian Rare Lung Disease Short Course (ARLDSC) 23-24 August 2019 Melbourne. Poster presentation.
- Gadsby, B., C. Samaranayake, M. Windsor, and M. Bint, Negative predictive value of a PET-CT scan for occult mediastinal nodal metastases in early stage lung cancer. *Respirology* (IF 3.078), 2019. 24(S1): p. 161.
- Neil, J., C. Samaranayake, N. Sergeant, and M. Bint, Effectiveness of an early discharge service for patients admitted to hospital with an acute COPD exacerbation: A pilot programme (RADS study). *Respirology* (3.078), 2019. 24(S1): p. 26.

Women's and families

Nurse researcher

Roni Cole
Roni.Cole@

Allied health

Angela Tully
Angela.Tully@

Paediatric

Dr Clare Thomas
Clare.Thomas2@

Obstetrics and gynaecology

Dr Rachel Nugent
Rachel.Nugent@

Neonatal

Dr Lizelle Weber
Lizelle.Weber@

Active research staff

29

Publications

8

Conference presentations

2

External research funding involvement

\$40,000

Wishlist-SERTF research grants

\$208,666

Research interests

- complications of postpartum haemorrhage
- neonatal nutrition
- safe sleeping practices
- health of children in out of home care
- neonatal mental development
- paediatric transfers
- clinical practice, record systems, staff training and support
- early detection and intervention in children at risk of cerebral palsy
- water birthing.

Research Higher Degree students

- Amber Jenkins (PhD)
- Julie Creen (PhD)
- Laura Gabriel (PhD)
- Michelle Elks (PhD)
- Rachael Nugent (PhD)
- Rebecca Caesar (PhD)
- Rebecca Halsall (Masters)
- Bryanna Martin (Masters)
- Denya Hopkinson (Masters)

External research grants

Office of the Chief Nursing and Midwifery Research Grant (\$40,000): Newly qualified midwives employed within Continuity of Care models; Lauren Kearney

Internal research grants

Wishlist/SERTF 2019 (\$49,881.48): Promoting and facilitating spontaneous vaginal birth in nulliparous women at full term: systematic review, predictive cohort study and development of an evidence-based bundle of care; Kearney, L., Bogossian, F., George, K., Reed, R., Reeves, J. & Triggs, T

Wishlist/SERTF 2019 (\$19,723.89): Paediatric education and assessment for non-urgent transfers (PEANUT): Evaluation of the PEANUT project. Thomas, C., Davison, M., Halsall, R. & Kearney, L.

Wishlist/SERTF 2019 (\$9,822.99): Mindfulness – Based Group Interventions for mental health concerns in the antenatal period: A Mixed Method enquiry into the efficacy, therapeutic mechanism and the interaction between mindfulness and peer support; Jenkins, A., George, K. & Kearney, L.

Wishlist HDR Scholarship (\$33,595): Early Prediction of normal and mild neurodevelopmental outcomes for prioritisation of service delivery of very preterm, very low birthweight premature infants; Caesar, R.

Wishlist HDR Scholarship (\$29,954): Transdisciplinary Advanced Allied Health Practice: Parental Engagement in Family-centred Consultative Therapy; Creen, J.

Wishlist HDR Scholarship (\$65,735): Infant Care and Lifestyle Behaviours related to Sudden Unexpected Death in Infancy: A Queensland prevalence study. [The 2017 I-CARE Qld Study]; Cole, R.

Future research plans/interests

1. paediatric inter-facility transfers
2. IV access and fluid management during labour
3. spontaneous vaginal birth
4. cerebral palsy
5. service delivery for high risk infants.

Top research publications in 2019

Collis, D., A. Kennedy Behr, and L. Kearney, The impact of bowel and bladder problems on children's quality of life and their parents: A scoping review. *Child: Care, Health & Development* (IF 1.754), 2019. 45(1): p. 1-14.

Kearney, L., R. Reed, M. Kynn, J. Young, and L. Davenport, Third stage of labour management practices: A secondary analysis of a prospective cohort study of Australian women and their associated outcomes. *Midwifery* (IF 1.861), 2019. 75: p. 110-116.

Little, J., R. Nugent, and V. Vangaveti, Influence of maternal obesity on Bishop Score and failed induction of labour: A retrospective cohort study in a regional tertiary centre. *Australian and New Zealand Journal of Obstetrics and Gynaecology* (IF 1.738), 2019. 59(2): p. 243-250.

Styles C., L. Kearney and K. George, Implementation and upscaling of midwifery continuity of care: the experience of midwives and obstetricians. *Women and Birth* (IF 1.525), 2019 Epub ahead of print

2019 full publication list

Collis, D., A. Kennedy Behr, and L. Kearney, The impact of bowel and bladder problems on children's quality of life and their parents: A scoping review. *Child: Care, Health & Development* (IF 1.754), 2019. 45(1): p. 1-14.

Kearney, L., R. Reed, M. Kynn, J. Young, and L. Davenport, Third stage of labour management practices: A secondary analysis of a prospective cohort study of Australian women and their associated outcomes. *Midwifery* (IF 1.861), 2019. 75: p. 110-116.

Little, J., R. Nugent, and V. Vangaveti, Influence of maternal obesity on Bishop Score and failed induction of labour: A retrospective cohort study in a regional tertiary centre. *Australian and New Zealand Journal of Obstetrics and Gynaecology* (IF 1.738), 2019. 59(2): p. 243-250.

Meloncelli, N., S. de Jersey, A. Barnett, and F. Pelly, Diagnosis and management practices for gestational diabetes mellitus in Australia: Cross-sectional survey of the multidisciplinary team. *Australian & New Zealand Journal of Obstetrics & Gynaecology* (IF 1.738), 2019. 59(2): p. 208-214.

Ryder, R., L. Kearney, M. Kynn and E. Weaver. Resilience and workplace stress in Australian and New Zealand Obstetrics and Gynaecology trainees: a cross sectional survey. *Australian and New Zealand Journal of Obstetrics and Gynaecology* (IF 1.738), 2019, Epub ahead of print.

Shanley, D.C., E. Hawkins, M. Page, D. Shelton, W. Liu, H. Webster, K.M. Moritz, L. Barry, J. Ziviani, S. Morrissey, F. O'Callaghan, A. Wood, M. Katsikitis, and N. Reid, Protocol for the Yapatjarrathati project: a mixed-method implementation trial of a tiered assessment process for identifying fetal alcohol spectrum disorders in a remote Australian community. *BMC Health Services Research* (IF 1.721), 2019. 19(1): p. 649.

Styles C., L. Kearney and K. George, Implementation and upscaling of midwifery continuity of care: the experience of midwives and obstetricians. *Women and Birth* (IF 1.525), 2019 Epub ahead of print

Reed, R., L. Gabriel, and L. Kearney, Birthing the placenta: women's decisions and experiences. *BMC Pregnancy and Childbirth* (IF 2.180), 2019. 19(1):140.

Conference Abstracts

Cole, R., J. Young, L. Kearney, and J.M.D. Thompson, My baby... parents' awareness and attitudes of current national safe sleeping guidelines: a state-wide cross-sectional study. Australian College of Midwives National Conference, 17-19 September 2019, National Convention Centre Canberra, Canberra, Australia. *Women and Birth* (IF 1.525), 2019. 32: p. S15-S15.

Young, J., L. Kearney, C. Rutherford, and J. Hoey, The ESCCaPE trial. Enabling safe and close care in postnatal environments: a pilot...Australian College of Midwives National Conference, 17-19 September

Vascular surgery

Research contact:

Dr Pankaj Jha

Pankaj.Jha@health.qld.gov.au

Active
research staff

4

Publications

3

Conference
presentations

-

External research funding
involvement

\$-

Wishlist-SERTF
research grants

\$-

Research interests

- cardiac and vascular health
- role of exercise in surgical patients
- erythrocyte fatty acid profiles in small abdominal aortic aneurysm.

Research Higher Degree students

Eight students (PhD) involved with VasoActive Research Group with university partners A/Prof Chris Askew and A/Prof Fraser Russell.

Research publications in 2019

Meital, L.T., M.T. Windsor, M. Perissiou, K. Schulze, R. Magee, A. Kuballa, J. Golledge, T.G. Bailey, C.D. Askew, and F.D. Russell, Omega-3 fatty acids decrease oxidative stress and inflammation in macrophages from patients with small abdominal aortic aneurysm. Scientific Reports (IF 4.122), 2019. 9(1): p. 12978.

Meital, L.T., M.T. Windsor, R.M.L. Ramirez Jewell, P. Young, K. Schulze, R. Magee, J. O'Donnell, P. Jha, M. Perissiou, J. Golledge, T.G. Bailey, P. Brooks, C.D. Askew, and F.D. Russell, n-3 PUFAs improve erythrocyte fatty acid profile in patients with small AAA: a randomized controlled trial. Journal of Lipid Research (IF 4.368), 2019. 60(6): p. 1154-1163.

Perissiou, M., T.G. Bailey, M. Windsor, K. Greaves, M.C.Y. Nam, F.D. Russell, J. O'Donnell, R. Magee, P. Jha, K. Schulze, A.S. Leicht, J. Golledge, and C.D. Askew, Aortic and Systemic Arterial Stiffness Responses to Acute Exercise in Patients With Small Abdominal Aortic Aneurysms. European Journal of Vascular and Endovascular Surgery (IF 2.912), 2019. 58(5): p. 708-718.

Research governance and support

Research Clinical Council

The Research Clinical Council (RCC) meets monthly and provides an opportunity for senior research clinicians to provide strategic advice and input on issues affecting research within the health service. The scope of the RCC's activities is to provide advice to the Director Research, ensuring that clinician input is gained and included in all strategic research matters.

RCC members in 2019 were:

Chair	Adj Prof Brad McCall <i>Clinical Director - Research</i>
Members	Prof James O'Beirne <i>Staff Specialist Hepatology</i> Roni Cole <i>Senior Research Fellow, W&F</i> Dr Peter Garrett <i>Staff Specialist ICU</i> Dr Rohan Grimley <i>SMO, Stroke and Geriatrics</i> Adj Prof Nick Gray <i>Director Renal Services</i> Dr Ingrid Rosbergen <i>Physiotherapist, Stroke/Rehabilitation</i> Adj Prof Tony Stanton <i>SMO, Staff Specialist Cardiology</i> Dr Bree Stephenson <i>SMO, Surgical Services</i> Gemma Turato <i>Executive Director Allied Health</i> Assoc Prof Ted Weaver <i>SMO Obstetrics and Gynaecology, and SC Clinical School Director</i> Dr Annette Woodhouse <i>Nursing Director, Mental Health and Addiction Services</i>

Research Operations Group

The Research Operations Group (ROG) meets monthly and brings together key research personnel to collectively develop standardised procedures for the operation of research activity within the health service. The ROG is responsible for the identification of issues, proposal of solutions and the making of recommendations to the Director Research.

Some of the key activities of the ROG includes management of the development and maintenance of research standard operating procedures (SOPs), agreed methodologies for: reporting research activity and management of risk; allocation and utilisation of dedicated research desk space; financial management of research projects, including clinical trials; quality monitoring of approved research activity in support of the Research Governance and Development Unit and the identification of educational and professional development requirements for research staff.

ROG members in 2019 were:

Chair	Dr Sheree Cross <i>Manager Research</i>
Members	Christine Cocks <i>Nurse Researcher – Oncology Trials</i> Lea-Anne Keen <i>A/Coordinator Research Systems</i> Lauren Knesl <i>Pharmacist Research</i> Anne Mouton <i>Business Advisor Research</i> Lauren Murray <i>Clinical Nurse Research ICU</i> Helen Rodgers <i>Nurse Manager Clinical Research</i> Kym Roberts <i>Clinical Research Nurse – Emergency Department</i> Megan Rutter <i>Principal Research Governance Officer</i> Suzanne Ryan <i>Nurse Manager Research, Surgical Services</i> Karen Watson <i>Research Support Officer</i>

If you would like further information about the RCC, or have a matter that you would like the RCC or ROG to consider, please contact the meeting secretariat via SC-Research-Support@health.qld.gov.au

Research Governance and Development Unit

The unit, led by Manager Research Dr Sheree Cross, has two broad functions within the health service:

1. To ensure all research conducted across our institution complies with required legislation and standards, has been appropriately reviewed and approved and research funds managed in accordance with agreed criteria.
2. To provide support to researchers in the development of new research programs, funding applications, research collaborations and partnerships, navigation of research approval requirements and general research advice.

The team can be found on level 1, Lakeside Building, SCUH (directly above the Wishlist Offices). This year, the team started working with the RCC and ROG to update all health service research-related policies, procedures, guidelines, templates, fact sheets and other support documentation which should be available on QHEPS throughout 2020.



SCHHS Research Development: Research Capacity and Development Toolkit



Members of the Research Governance and Development Unit

Back Row (L-R) Dr Sheree Cross (Manager), Alix Stubbs (Grants Development), Carolyn Campbell and Anne Mouton (Business Advisors)

Front Row (L-R) Jennyfer Johnson (Director Support Officer and Administration), Leigh Wilks and Dr Karen Watson (Research Support)

Absent Megan Rutter (Principal Governance Officer)

In 2019, the unit developed a toolkit to help guide departments on how to approach the building of increased research capacity and capability within their departments. This step by step guide uses a self-assessment tool to help identify your research priorities and structure them into a research strategy. There are also tips on easily implementable activities that can be adopted to support the process of embedding research into health service departments.



Research publications 2019

Bold Text = SCHHS Affiliation;

Underlined = SCHI Partner Affiliation (University of the Sunshine Coast or Griffith University);

IF = Journal Impact Factor (Source: CiteFactor)

ARTICLES

1. Ackland, G.L., (197 authors incl, **M.G. Godsall, N. Beauchamp, S. Allen, A. Kennedy, E. Wright, J. Malherbe**), M.S. Investigators and P.-H.S. Investigators, *Heart rate recovery and morbidity after noncardiac surgery: Planned secondary analysis of two prospective, multi-centre, blinded observational studies*. Plos One (IF 4.411), 2019. **14**(8): p. 15.
2. **Anderson, J.J.**, E.M. Lau, M Lavender et al (21 further authors) *Retrospective Validation of the REVEAL 2.0 Risk Score with the Australian and New Zealand Pulmonary Hypertension Registry Cohort*. Chest (IF 7.221), 2019, **157**(1):167-172.
3. Andrew, N.E., S. Middleton, **R. Grimley**, C.S. Anderson, G.A. Donnan, N.A. Lannin, E. Stroil-Salama, B. Grabsch, M.F. Kilkenny, J.E. Squires, D.A. Cadilhac, and I. the Stroke, *Hospital organizational context and delivery of evidence-based stroke care: a cross-sectional study*. Implementation Science (IF 3.201), 2019. **14**(1): p. 6.
4. **Ashrafi, D.**, M. Siddaiah-Subramanya, B. Memon, and M.A. Memon, *Causes of recurrences after open inguinal herniorrhaphy*. Hernia (IF 2.054), 2019. **23**(4): p. 637-645.
5. **Atwell, D.B., C. Booth, D.D. Vignarajah, M. Knesl, N. Buddle, M. Hoozer, and M. Min**, *Radiation Oncology Quality Assessment Tool: A proposal for a new audit tool in modern radiation oncology*. Journal of Medical Imaging and Radiation Oncology (IF 1.182), 2019. **63**(5): p. 691-697.
6. **Atwell, D.B., D.D. Vignarajah, B.A. Chan, N. Buddle, P.M. Manders, K. West, M. Knesl, J. Long and M. Min**, *Referral rates to multidisciplinary team meetings: Is there disparity between tumour streams?* Journal of Medical Imaging & Radiation Oncology (IF 1.182), 2019. **63**(3): p. 378-382.
7. Benmassaoud, A., L. AlRubaiy, D. Yu, P. Chowdary, M. Sekhar, P. Parikh, J. Finkel, T. C. See, **J. O'Beirne**, J. A. Leithead and D. Patch, *A stepwise thrombolysis regimen in the management of acute portal vein thrombosis in patients with evidence of intestinal ischaemia*. Alimentary Pharmacology and Therapeutics (IF 6.320), 2019. **50**, 1049-1058.
8. Bernardes, C.M., I.U. Ratnasekera, J.H. Kwon, S. Somasundaram, G. Mitchell, S. Shahid, J. Meiklejohn, **J. O'Beirne**, P.C. Valery, and E. Powell, *Contemporary Educational Interventions for General Practitioners (GPs) in Primary Care Settings in Australia: A Systematic Literature Review*. Frontiers in Public Health (IF 2.031), 2019. **7**: p. 176.
9. Blythe, R., S. Kularatna, N. White, N. Graves, K. Clark, H. Middleton, and **R. Grimley**, *Fits, faints, falls and funny turns: cost and capacity savings in Queensland from the accelerated transient attack pathway initiative (ATAP)*. Age & Ageing (IF 4.201), 2019. **48**(5): p. 745-750.
10. **Broom, J.**, A. Broom, P. Good, and Z. Lwin, *Why is optimisation of antimicrobial use difficult at the end of life?* Internal Medicine Journal (IF 1.767), 2019. **49**(2): p. 269-271.
11. **Broom, J.**, A. Broom, and E. Kirby, *The drivers of antimicrobial use across institutions, stakeholders and economic settings: A paradigm shift is required for effective optimization*. Journal of Antimicrobial Chemotherapy (IF 5.217), 2019. **74**(9): p. 2803-2809.
12. **Broom, J., C.L. Tee, A. Broom, M.D. Kelly, T. Scott, and D.A. Grieve**, *Addressing social influences reduces antibiotic duration in complicated abdominal infection: a mixed methods study*. ANZ Journal of Surgery (IF 1.605), 2019. **89**(1-2): p. 96-100.
13. Burns, C.L., E.C. Ward, A. Gray, L. Baker, B. Cowie, N. Winter, R. Rusch, **R. Saxon**, S. Barnes, and J. Turvey, *Implementation of speech pathology telepractice services for clinical swallowing assessment: An evaluation of service outcomes, costs and consumer satisfaction*. Journal of Telemedicine and Telecare (IF1.377), 2019. **25**(9): p. 545-551.
14. Cadilhac, D.A., **R. Grimley**, M.F. Kilkenny, N.E. Andrew, N.A. Lannin, K. Hill, B. Grabsch, C.R. Levi, A.G. Thrift, S.G. Faux, J. Wakefield, G. Cadigan, G.A. Donnan, S. Middleton, and C.S. Anderson, *Multicenter, Prospective, Controlled, Before-and-After, Quality Improvement Study (Stroke123) of Acute Stroke Care*. Stroke (IF 5.787) (00392499), 2019. **50**(6): p. 1525-1530.

15. Cadilhac, D.A., M.F. Kilkenny, N.A. Lannin, H.M. Dewey, C.R. Levi, K. Hill, B. Grabsch, **R. Grimley**, D. Blacker, A.G. Thrift, S. Middleton, C.S. Anderson, and G.A. Donnan, *Outcomes for Patients With In-Hospital Stroke: A Multicenter Study From the Australian Stroke Clinical Registry (AuSCR)*. Journal of Stroke & Cerebrovascular Diseases (IF 1.599), 2019. **28**(5): p. 1302-1310.
16. Chapman C, D.A. Cadilhac, P. Morgan, M.F. Kilkenny, **R. Grimley**, V. Sundararajan, T. Purvis, T. Johnston, N.A. Lannin, N.E. Andrew. *Chest infection within 30 days of acute stroke, associated factors, survival and the benefits of stroke unit care: analysis using linked data from the Australian Stroke Clinical Registry*. International Journal of Stroke (IF 3.044), 2019 Epub ahead of print.
17. **Chesham, B.** and **C. Dawber**, *The "All of Us" study - Non-clinical staff members' experience of performing cardiopulmonary resuscitation in acute care settings*. Australasian Emergency Care (IF 1.424), 2019. **22**(4): p. 243-248.
18. Chow, C.K., D. Brieger, M. Ryan, N. Kangaharan, K.K. Hyun, T. Briffa, K. Xu, J. Kilian, J.D. Myers, R. Parkin, A. Morrison, R. Rajaratnam, E. Tattam, J. Waites, C. Baldo, K. Kamaladasa, M. Davies, N. Collins, E. Nyman, A. Blenkhorn, J. Boys, C. Juergens, E. Plotz, D. Fitzpatrick, L. Barry, D. Amos, E. Ryan, M. Adams, D. Watson, K. Alford, R. Turnbull, K. Robinson, J. Weaver, P. Shrestha, C. Chow, T. Tsang, P.C. Shetty, R. Stubbs, A. Farshid, P. Taverner, W. Corkill, M. Ilton, K. Matthews, **S. Coverdale**, **C. Johnston**, D. Walters, K. Stibijl, R. Jayasinghe, H. Gunter, J. Atherton, L. Palethorpe, P. Astridge, T. Dalamaras, R. Yadav, T. Farley, D. Chew, F. Wollaston, C. Zeitz, J. Rose, M. Black, P. Antonis, J. McEwan, J. Shaw, R. Vandernet, O. Farouque, L. Brown, J. Mariani, R. Herbstreit, G. New, L. Roberts, J. Amerena, K. Forgarty, W. van Gaal, M. Park, A. MacIsaac, J. Wilson, J. Rankin, M. Vorster, J. Hung, L. Ferguson, P. Roberts-Thomson, T. Grabek, B. Singh, M. a'Campo, and C. Investigators, *Secondary prevention therapies in acute coronary syndrome and relation to outcomes: observational study*. Heart Asia (IF 0.82), 2019. **11**(1): p. 8.
19. Chu, K., C. Windsor, J. Fox, T. Howell, G. Keijzers, R. Eley, F. Kinnear, J. Furyk, **O. Thom**, N.J. Brown, and A.F.T. Brown, *Factors influencing variation in investigations after a negative CT brain scan in suspected subarachnoid haemorrhage: A qualitative study*. Emergency Medicine Journal (IF 1.836), 2019. **36**(2): p. 72-77.
20. **Ciampa, C.**, P. Mantha, **D. Ashrafi**, and G. Dyke, *Signet cell carcinoma of the colon: a rare presentation to a rural surgical service*. ANZ Journal of Surgery (IF 1.605), 2019. **89**(10): p. E454-E455.
21. **Collis, D.**, **A. Kennedy-Behr**, and **L. Kearney**, *The impact of bowel and bladder problems on children's quality of life and their parents: A scoping review*. Child: Care, Health & Development (IF 1.754), 2019. **45**(1): p. 1-14.
22. **Copertino, N.J.** and **D. Grieve**, *Cholecystitis in situs inversus totalis*. ANZ Journal of Surgery (IF 1.605), 2019. **89**(3): p. E90-E91.
23. Corley, A., I. Lye, J.D. Lavana, A. Ahuja, **C.M. Anstey**, P. Jarrett, E. Haisz, R. Parke, V. Pellegrino, H. Buscher, J.F. Fraser, and E.P.S. Investigators, *Nosocomial infection prevalence in patients undergoing extracorporeal membrane oxygenation (ECMO): protocol for a point prevalence study across Australia and New Zealand*. BMJ Open (IF 2.562), 2019. **9**(7): p. e029293.
24. Crass RL, **P. Williams** and J.A. Roberts. *The challenge of quantifying and managing pharmacokinetic variability of beta-lactams in the critically ill*. Anaesthesia, Critical Care and Pain Medicine (IF 2.734). 2019, Epub ahead of print
25. Craswell A, D. Massey, M. Wallis, D. Sriram, **N. Gray**, S. Kotwal. *Current practice in dialysis central venous catheter management: multi-disciplinary renal team perspectives*. Nephrology (Carlton) 2019 Epub ahead of print.
26. Crilly J., J.H. Greenslade, A. Johnston, E. Carlström, **O. Thom**, L. Abraham, **D. Mills** and M. Wallis. *Staff perceptions of the emergency department working environment: An international cross-sectional survey*. Emergency Medicine Australasia (IF 1.223). 2019. **31**(6):1082-1091.
27. Dalli, L.L., J. Kim, A.G. Thrift, N.E. Andrew, N.A. Lannin, C.S. Anderson, **R. Grimley**, J.M. Katzenellenbogen, J. Boyd, R.I. Lindley, M. Pollack, M. Jude, R. Durairaj, D. Shah, D.A. Cadilhac, and M.F. Kilkenny, *Disparities in Antihypertensive Prescribing After Stroke: Linked Data From the Australian Stroke Clinical Registry*. Stroke (IF 5.787) (00392499), 2019. **50**(12): p. 3592-3599.
28. **Davidson, N.** and **D. Sowden**, *Evaluation of screening practices for low bone mass and prevalence of osteoporosis and fractures in people living with human immunodeficiency virus attending a sexual health clinic*. Internal Medicine Journal (IF 1.767), 2019. **49**(9): p. 1119-1124.
29. Davis I.D., 139 other authors including **M. Cronk**. ENZAMET Trial Investigators and the Australian and New Zealand Urogenital and Prostate Cancer Trials Group *Enzalutamide with Standard First-Line Therapy in Metastatic Prostate Cancer*. New England Journal of Medicine (IF 59.558) 2019 **381**(2):121-131.
30. **Deen J.** and **H. Schaidler**. *The use of cinacalcet for the treatment of calciphylaxis in patients with chronic kidney disease: A comprehensive review*. Australasian Journal of Dermatology (IF 1.305). 2019. **60**(3):e186-e194.

31. De Luca, L., M. Kalafateli, S. Bianchi, N. Alasaker, E. Buzzetti, M. Rodríguez-Perálvarez, D. Thorburn, **J. O'Beirne**, D. Patch, G. Leandro, R. Westbrook and E. A. Tsochatzis, *Cardiovascular morbidity and mortality is increased post-liver transplantation even in recipients with no pre-existing risk factors*. Liver International (IF 4.470), 2019. **39**, 1557-1565.
32. Dyer, J. L. Vaux, A. Broom and **J. Broom**. *Antimicrobial use in patients at the end of life in an Australian hospital*. Infection, Disease and Health. (IF N/A), 2019 **24**(2):92-97
33. **El Haddad, M., G. Wilkinson, L. Thompson, A. Faithfull-Byrne, and C. Moss**, *Perceptions of the impact of introducing administrative support for nurse unit managers: A qualitative evaluation*. Journal of Nursing Management (IF 1.721), 2019. **27**(8): p. 1700-1711.
34. Emran A.A., B.R. Chinna Chowdary, F. Ahmed, H. Hammerlindl, A. Huefner, N.K. Haass, W. Schuehly and **H. Schaidler**. *Magnolol induces cell death through PI3K/Akt-mediated epigenetic modifications boosting treatment of BRAF- and NRAS-mutant melanoma*. Cancer Medicine (IF 3.362) 2019 **8**(3):1186-1196.
35. Emran A.A., D.M. Marzese, D.R. Menon, H. Hammerlindl, F. Ahmed, E. Richtig, P. Duijf, D.S. Hoon, **H. Schaidler**. *Commonly integrated epigenetic modifications of differentially expressed genes lead to adaptive resistance in cancer*. Epigenomics (IF 4.044). 2019. **11**(7):732-737.
36. Gibson, J., **T. Baird**, S. Pandey, C. Tolson, C. Coulter, G. Eather, and R. Thomson, *The clinical significance of Mycobacterium triplex*. Respiratory Medicine (IF 3.036), 2019. **159**: p. 5 (Article 105808).
37. **Gilbertson, E.L., R. Krishnasamy, C. Foote, A.L. Kennard, M.J. Jardine, and N.A. Gray**, *Burden of Care and Quality of Life Among Caregivers for Adults Receiving Maintenance Dialysis: A Systematic Review*. American Journal of Kidney Diseases (IF 6.269), 2019. **73**(3): p. 332-343.
38. Gordon, L. and **T. Gordon**, *Epididymal filariasis a rare presentation of testicular pain*. Urology Case Reports (IF 0.41), 2019. **22**: p. 3-5.
39. **Gray, N.A.**, L. Zuo, D. Hong, B. Smyth, M. Jun, J. De Zoysa, K. Vo, K. Howard, J. Wang, C. Lu, Z. Liu, A. Cass, V. Perkovic, and M. Jardine, *Quality of life in caregivers compared with dialysis recipients: The Co-ACTIVE sub-study of the ACTIVE dialysis trial*. Nephrology (IF 1.796), 2019. **24**(10): p. 1056-1063.
40. Greenslade, J.H., M.C. Wallis, A. Johnston, E. Carlström, D. Wilhelms, **O. Thom**, L. Abraham, and J. Crilly, *Development of a revised Jalowiec Coping Scale for use by emergency clinicians: A cross-sectional scale development study*. BMJ Open (IF 2.562), 2019. **9**(12).
41. **Grimley, R.S., I.C.M. Rosbergen, L. Gustaffson, E. Horton, T. Green, G. Cadigan, D.A. Cadilhac, and S. Kuys**, *Assessment and selection for rehabilitation following acute stroke: a prospective cohort study in Queensland, Australia*. Clinical Rehabilitation, 2019. **33**(7): p. 1252-1263.
42. **Grosso, A.**, G. Arenas, K. Drummond and S. Whitehouse. *Ultrasound-guided erector spinae plane block*. Australasian Anaesthesia (IF N/A), 2019: 157-164. ANZ College of Anaesthetists Publication (Every 2 years).
43. Hamilton-Craig C., A. McGavigan, C. Semsarian, A. Martin, J. Atherton, T. Stanton, A. La Gerche, A.J. Taylor and H. Haqqani. *The Cardiac Society of Australia and New Zealand Position Statement on the Diagnosis and Management of Arrhythmogenic Right Ventricular Cardiomyopathy (2019 Update)*. Heart, Lung and Circulation (IF 1.575) 2019; **29**(1): 40-48.
44. Heitzer E., A. Groenewoud, K. Meditz, B. Lohberger, B. Liegl-Atzwanger, A. Prokesch, K. Kashofer, D. Behrens, J. Haybaeck, D. Kolb-Lenz, H. Koefeler, S. Riedl, **H. Schaidler**, C. Fischer, B.E. Snaar-Jagalska, D. de'Jong, K. Szuhai, D. Zwegtick and B. Rinner. *Human melanoma brain metastases cell line MUG-Mel1, isolated clones and their detailed characterization*. Scientific Reports (IF 4.011). 2019. **9**(1):4096
45. **Holland, D.J.** and M.J. Holland, *Abdominal pain in the emergency department: the importance of history taking for common clinical presentations*. Medical Journal of Australia (IF3.369), 2019. **210**(11): p. 489-490.e1.
46. **Horsley, S.**, N.A. Lannin, K.S. Hayward, and R.D. Herbert, *Additional early active repetitive motor training did not prevent contracture in adults receiving task-specific upper limb training after stroke: a randomised trial*. Journal of Physiotherapy (IF 4.000), 2019. **65**(2): p. 88-94.
47. Huynh Q.L., K. Negishi, C.G. De Pasquale, J.L. Hare, D. Leung, **T. Stanton** and T.H. Marwick. *Cognitive Domains and Post-Discharge Outcomes in Hospitalized Patients with Heart Failure*. Circulation: Heart Failure (IF 6.833) 2019: **12**: e006086.
48. Joseph S.R., D. Gaffney, R. Barry, L. Hu, B. Banushi, J.W. Wells, D. Lambie, G. Strutton, S.V. Porceddu, B. Burmeister, G.R. Leggatt, **H. Schaidler**, R. Dolcetti, I.H. Frazer, N.A. Saunders, M. Foote, H.P. Soyer and F. Simpson. *An Ex Vivo Human*

- Tumor Assay Shows Distinct Patterns of EGFR Trafficking in Squamous Cell Carcinoma Correlating to Therapeutic Outcomes.* Journal of Investigative Dermatology (IF 6.915) 2019. **139**(1):213-223
49. Jukema, J.W., et al (1400 authors incl **S Coverdale**) and O.O.C. Investigator, *Alirocumab in Patients With Polyvascular Disease and Recent Acute Coronary Syndrome ODYSSEY OUTCOMES Trial.* Journal of the American College of Cardiology (IF 17.159), 2019. **74**(9): p. 1167-1176.
 50. **Kearney, L., R. Reed, M. Kynn, J. Young, and L. Davenport**, *Third stage of labour management practices: A secondary analysis of a prospective cohort study of Australian women and their associated outcomes.* Midwifery (IF 1.861), 2019. **75**: p. 110-116.
 51. Kempton, H., R. Vlok, C. Thang, T. Melhuish, and **L. White**, *Standard dose epinephrine versus placebo in out of hospital cardiac arrest: A systematic review and meta-analysis.* American Journal of Emergency Medicine (IF 1.504), 2019. **37**(3): p. 511-517.
 52. Kilkenny M., L. Dalli, J. Kim, V. Sundararajan, N. Andrew, H. Dewey, T. Johnston, S. Alif, R. Lindley, M. Jude, D. Blacker, N. Gange, **R. Grimley**, J. Katzenellenbogen, A. Thrift, N. Lannin. *Factors associated with 90-day readmission after stroke/TIA using linked observational Australian Stroke Registry data* Stroke (IF 5.787), 2019 Epub ahead of print.
 53. Kilkenny, M.F., **R. Grimley**, and N.A. Lannin, *Quality of life and age following stroke.* Aging (IF 5.515), 2019. **11**(3): p. 845-846.
 54. Kilkenny, M.F., N.A. Lannin, C. Levi, S.G. Faux, H.M. Dewey, **R. Grimley**, K. Hill, B. Grabsch, J. Kim, P. Hand, V. Crosby, M. Gardner, J. Rois-Gnecco, V. Thijs, C.S. Anderson, G. Donnan, S. Middleton, and D.A. Cadilhac, *Weekend hospital discharge is associated with suboptimal care and outcomes: An observational Australian Stroke Clinical Registry study.* International Journal of Stroke (IF 3.044), 2019. **14**(4): p. 430-438.
 55. **Krishnasamy, R., C.I. Wilkinson**, C.D. McClure, M. Wilson, J. Bashford, C.J. Clark, and **N.A. Gray**, *Contact precautions for colonisation with multidrug-resistant organisms and haemodialysis patient quality of life and mood: a pilot case-control study.* Renal Society of Australasia Journal (IF 0.320), 2019. **15**(1): p. 19-25.
 56. **Krishnasamy R**, D. Jegatheesan, P. Lawton, **N.A. Gray**. *Socioeconomic status and dialysis quality of care.* Nephrology (Carlton) 2019 Epub ahead of print
 57. Kumar, A., **C. Anstey**, P. Tesar, and K. Shekar, *Risk Factors for Mortality in Patients Undergoing Cardiothoracic Surgery for Infective Endocarditis.* Annals of Thoracic Surgery (IF 2.975), 2019. **108**(4): p. 1101-1106.
 58. Lee, M., J.J. van Netten, **H. Sheahan**, and P.A. Lazzarini, *Moderate-to-Vigorous-Intensity Physical Activity Observed in People With Diabetes-Related Foot Ulcers Over a One-Week Period.* Journal of Diabetes Science & Technology (IF2.060), 2019. **13**(5): p. 827-835.
 59. Liao, J.L., O. van den Broek-Best, B. Smyth, D. Hong, K. Vo, L. Zuo, **N.A. Gray**, C.T. Chan, J. de Zoysa, V. Perkovic, L. Jiang, and M. Jardine, *Effect of extended hours dialysis on sleep quality in a randomized trial.* Nephrology (Carlton) (IF 1.796), 2019. **24**(4): p. 430-437.
 60. Little, J., **R. Nugent**, and V. Vangaveti, *Influence of maternal obesity on Bishop Score and failed induction of labour: A retrospective cohort study in a regional tertiary centre.* Australian and New Zealand Journal of Obstetrics and Gynaecology (IF 1.738), 2019. **59**(2): p. 243-250.
 61. Lumley, S., C. Green, H. Rafferty, C. Smith, M. Harber, **J. O'Beirne**, G. Jones, D. Thorburn, A. Marshall, T. Shah, M. Zuhair, E. Rothwell, S. Atabani, T. Haque, and P. Griffiths, *Cytomegalovirus viral load parameters associated with earlier initiation of preemptive therapy after solid organ transplantation.* PLoS ONE (IF 4.411), 2019. **14**(1).
 62. Lye, J., S. Kry, M. Shaw, **F. Gibbons**, S. Keehan, J. Lehmann, T. Kron, D. Followill, and I. Williams, *A comparison of IROC and ACDS on-site audits of reference and non-reference dosimetry.* Medical Physics (IF 2.496), 2019. **46**(12): p. 5878-5887.
 63. Ma, H., B.C.V. Campbell, M.W. Parsons, L. Churilov, C.R. Levi, C. Hsu, T.J. Kleinig, T. Wijeratne, S. Curtze, H.M. Dewey, F. Miteff, C.H. Tsai, J.T. Lee, T.G. Phan, N. Mahant, M.C. Sun, M. Krause, J. Sturm, **R. Grimley**, C.H. Chen, C.J. Hu, A.A. Wong, D. Field, Y. Sun, P.A. Barber, A. Sabet, J. Jannes, J.S. Jeng, B. Clissold, R. Markus, C.H. Lin, L.M. Lien, C.F. Bladin, S. Christensen, N. Yassi, G. Sharma, A. Bivard, P.M. Desmond, B. Yan, P.J. Mitchell, V. Thijs, L. Carey, A. Meretoja, S.M. Davis, G.A. Donnan, and E. Investigators, *Thrombolysis Guided by Perfusion Imaging up to 9 Hours after Onset of Stroke.* New England Journal of Medicine (59.558), 2019. **380**(19): p. 1795-1803.
 64. **Marsden E., A. Taylor, M. Wallis, A. Craswell, M. Broadbent**, A. Barnett and J. Crilly. *Effect of the Geriatric Emergency Department Intervention on outcomes of care for residents of aged care facilities: A non-randomised trial.* Emergency Medicine Australasia (IF 1.223). 2019 Epub ahead of print.

65. Massuger, W., G.T.C. Moore, J.M. Andrews, M.F. Kilkenny, M. Reyneke, S. Knowles, L. Purcell, G. Alex, **S. Buckton**, A.T. Page, N. Stocks, D. Cameron, F. Manglaviti, and P. Pavli, *Crohn's & Colitis Australia inflammatory bowel disease audit: measuring the quality of care in Australia*. Internal Medicine Journal (IF 1.767), 2019. **49**(7): p. 859-866.
66. **McFarlane, C.**, C.I. Ramos, D.W. Johnson, and K.L. Campbell, *Prebiotic, Probiotic, and Synbiotic Supplementation in Chronic Kidney Disease: A Systematic Review and Meta-analysis*. Journal of Renal Nutrition (IF 2.060), 2019. **29**(3): p. 209-220.
67. Meital, L.T., M.T. Windsor, M. Perissiou, K. Schulze, R. Magee, A. Kuballa, J. Golledge, T.G. Bailey, C.D. Askew, and F.D. Russell, *Omega-3 fatty acids decrease oxidative stress and inflammation in macrophages from patients with small abdominal aortic aneurysm*. Scientific Reports (IF 4.122), 2019. **9**(1): p. 12978.
68. Meital, L.T., M.T. Windsor, R.M.L. Ramirez Jewell, P. Young, K. Schulze, R. Magee, J. O'Donnell, P. Jha, M. Perissiou, J. Golledge, T.G. Bailey, P. Brooks, C.D. Askew, and F.D. Russell, *n-3 PUFAs improve erythrocyte fatty acid profile in patients with small AAA: a randomized controlled trial*. Journal of Lipid Research (IF 4.368), 2019. **60**(6): p. 1154-1163.
69. **Meloncelli, N.**, S. de Jersey, A. Barnett, and F. Pelly, *Diagnosis and management practices for gestational diabetes mellitus in Australia: Cross-sectional survey of the multidisciplinary team*. Australian & New Zealand Journal of Obstetrics & Gynaecology (IF 1.738), 2019. **59**(2): p. 208-214.
70. **Naveed, S.**, *A RANZCP trainee's experience of working with patients with an intellectual disability: a case series*. Australasian Psychiatry (IF 0.728), 2019. **27**(5): p. 522-524.
71. Neep, M.J., T. Steffens, **P. Eastgate**, and S.M. McPhail, *Evaluating the effectiveness of intensive versus non-intensive image interpretation education for radiographers: a randomised controlled trial*. Journal of Medical Radiation Sciences (IF 0.574), 2019. **66**(1): p. 5-13.
72. **Nichols, D.**, *Case of congenital nystagmus*. Journal of Paediatrics and Child Health (IF 1.477), 2019. **55**(2): p. 229-231.
73. Nicoll, A.J., S.K. Roberts, R. Lim, J. Mitchell, M. Weltman, J. George, A. Wigg, K. Stuart, P. Gow, G. MacQuillan, E. Tse, M. Levy, S. Sood, A. Zekry, W. Cheng, **J. Mitchell**, R. Skoien, W. Sievert, S.I. Strasser, G.W. McCaughan, W. Cheng, J. George, P. Gow, M. Levy, G.W. McCaughan, ALA Clinical Research Network and A. Gastroenterological Soc, *Beneficial response to mycophenolate mofetil by patients with autoimmune hepatitis who have failed standard therapy, is predicted by older age and lower immunoglobulin G and INR levels*. Alimentary Pharmacology & Therapeutics (IF 6.320), 2019. **49**(10): p. 1314-1322.
74. Obonyo, N.G., L. Byrne, J.P. Tung, G. Simonova, S.D. Diab, K.R. Dunster, M.R. Passmore, A.C. Boon, L. See Hoe, S. Engkilde-Pedersen, A. Esguerra-Lallen, M.H. Fauzi, L.P. Pimenta, J.E. Millar, J.P. Fanning, F. Van Haren, **C.M. Anstey**, L. Cullen, J. Suen, K. Shekar, K. Maitland, and J.F. Fraser, *Pre-clinical study protocol: Blood transfusion in endotoxaemic shock*. MethodsX (IF 3.503), 2019. **6**: p. 1124-1132.
75. **Olenski, S.**, C. Scuderi, A. Choo, A.K. Bhagat Singh, M. Way, L. Jeyaseelan, and G. John, *Urinary tract infections in renal transplant recipients at a quaternary care centre in Australia*. BMC Nephrology (IF 2.289), 2019. **20**(1): p. 7.
76. **Paramsothy, S.**, S. Nielsen, M.A. Kamm, N.P. Deshpande, J.J. Faith, J.C. Clemente, R. Paramsothy, A.J. Walsh, **J. van den Bogaerde**, D. Samuel, R.W.L. Leong, S. Connor, W. Ng, E. Lin, T.J. Borody, M.R. Wilkins, J.F. Colombel, H.M. Mitchell, and N.O. Kaakoush, *Specific Bacteria and Metabolites Associated With Response to Fecal Microbiota Transplantation in Patients With Ulcerative Colitis*. Gastroenterology (IF 18.187), 2019. **156**(5): p. 1440-1454.
77. Parente P., **B.A. Chan**, B. G. M. Hughes, K. Jasas, R. Joshi, S. Kao, F. Hegi-Johnson, R. Hui, S. McLaughlin-Barrett, I. Nordman and E. Stone. *Patterns of care for stage III non-small cell lung cancer in Australia*. Asia-Pacific Journal of Clinical Oncology (IF 1.722). 2019. **15** (3), 93-100
78. Passmore, M.R., N.G. Obonyo, L. Byrne, A.C. Boon, S.D. Diab, K.R. Dunster, Y.L. Fung, M.M. Spanevello, M.H. Fauzi, S.E. Pedersen, G. Simonova, **C.M. Anstey**, K. Shekar, J.P. Tung, K. Maitland, and J.F. Fraser, *Fluid resuscitation with 0.9% saline alters haemostasis in an ovine model of endotoxaemic shock*. Thrombosis Research (IF 2.320), 2019. **176**: p. 39-45.
79. **Pearse, W.**, F. Opreescu, J. Endacott, S. Goodman, M. Hyde, and M. O'Neill, *Advance care planning in the context of clinical deterioration: a systematic review of the literature*. Palliative Care (IF 4.956), 2019. **12**: p. 1178224218823509.
80. Perissiou, M., T.G. Bailey, M. Windsor, K. Greaves, M.C.Y. Nam, F.D. Russell, J. O'Donnell, R. Magee, P. Jha, K. Schulze, A.S. Leicht, J. Golledge, and C.D. Askew, *Aortic and Systemic Arterial Stiffness Responses to Acute Exercise in Patients With Small Abdominal Aortic Aneurysms*. European Journal of Vascular and Endovascular Surgery (IF 2.912), 2019. **58**(5): p. 708-718.
81. Phan, H.T., S.L. Gall, C.L. Blizzard, N.A. Lannin, A.G. Thrift, C.S. Anderson, J. Kim, **R. Grimley**, H.C. Castley, P. Hand, and D.A. Cadilhac, *Sex Differences in Care and Long-Term Mortality After Stroke: Australian Stroke Clinical Registry*. Journal of Women's Health (IF 2.032), 2019. **28**(5): p. 712-720.

82. Pinidiyapathirage, J., S. Kitchener, S. McNamee, S. Wynter, J. Langford, A. Doyle, and **A. McMahon**, *Analysis of agriculture-related life-threatening injuries presenting to emergency departments of rural generalist hospitals in Southern Queensland*. Emergency Medicine Australasia (IF 1.223), 2019. **31**(4): p. 587-592.
83. **Poulter, R.**, D.A. Wood, A. Starovoytov, S. Smith, M. Chitsaz, and J. Mayo, *Development of a Porcine Model of Coronary Stenosis Using Fully Percutaneous Techniques Suitable For Performing Cardiac Computed Tomography, CT-Perfusion Imaging and Fractional Flow Reserve*. Heart Lung and Circulation (IF 1.575), 2019. **28**(8): p. 1292-1300.
84. Powell, E.E., R. Skoien, T. Rahman, P.J. Clark, **J. O'Beirne**, G. Hartel, K.A. Stuart, S.M. McPhail, R. Gupta, P. Boyd, and P.C. Valery, *Increasing Hospitalization Rates for Cirrhosis: Overrepresentation of Disadvantaged Australians*. EClinicalMedicine (IF Not Rated Yet), 2019. **11**: p. 44-53.
85. Prasad, S.B., K. Guppy-Coles, **T. Stanton**, J. Armstrong, **R. Krishnaswamy**, G. Whalley, J.J. Atherton, and L. Thomas, *Relation of Left Atrial Volumes in Patients With Myocardial Infarction to Left Ventricular Filling Pressures and Outcomes*. American Journal of Cardiology (IF 3.154), 2019. **124**(3): p. 325-333.
86. Prasad, S.B., K.B. Guppy-Coles, **D. Holland**, **T. Stanton**, **R. Krishnasamy**, G. Whalley, J.J. Atherton, and L. Thomas, *Echocardiographic predictors of all-cause mortality in patients with left ventricular ejection fraction >35%: Value of guideline based assessment of diastolic dysfunction*. International Journal of Cardiology. Heart and Vasculture (IF 4.638), 2019. **24**: p. 100407.
87. Prasad, S.B., **D.J. Holland**, J.J. Atherton, and G. Whalley, *New Diastology Guidelines: Evolution, Validation and Impact on Clinical Practice*. Heart, Lung & Circulation (IF 1.575), 2019. **28**(9): p. 1411-1420.
88. **Puckeridge, G.**, **M. Terblanche**, **M. Wallis**, and **Y.L. Fung**, *Blood management in hip fractures; are we leaving it too late? A retrospective observational study*. BMC Geriatrics (IF 2.371), 2019. **19**(1): p. 79.
89. Ramineni, A.K., T. Burgess, **P. Cruickshanks**, and **D. Coman**, *A novel familial 9q31.2q32 microdeletion: Muscle cramping, somnolence, fatigue, sensorineural hearing loss, pubertal delay, and short stature*. Clinical Case Reports (IF 0.500), 2019. **7**(2): p. 304-310.
90. Ray, K.K., (1400 authors including **S Coverdale**) and O.O.C. Investigators, *Effects of alirocumab on cardiovascular and metabolic outcomes after acute coronary syndrome in patients with or without diabetes: a prespecified analysis of the ODYSSEY OUTCOMES randomised controlled trial*. Lancet Diabetes & Endocrinology (IF 44.002), 2019. **7**(8): p. 618-628.
91. Read T., M. Lonne, D.S. Sparks, M. David, M. Wagels, **H. Schaidler**, H.P. Soyer and B.M. Smithers. *A systematic review and meta-analysis of locoregional treatments for in-transit melanoma*. Journal of Surgical Oncology (IF 3.151). 2019. **119**(7):887-896. (Response to letter to the editor **120**(6):1058-1059)
92. **Reed, R.**, **L. Gabriel**, and **L. Kearney**, *Birthing the placenta: women's decisions and experiences*. BMC Pregnancy and Childbirth (IF 2.180), 2019. **19**(1):140.
93. Rigg, J., **E. Gilbertson**, H.L. Barrett, F.L. Britten, and K. Lust, *Primary Hyperparathyroidism in Pregnancy: Maternofetal Outcomes at a Quaternary Referral Obstetric Hospital, 2000 Through 2015*. Journal of Clinical Endocrinology & Metabolism (IF 5.531), 2019. **104**(3): p. 721-729.
94. Roberts L.W., **E. Catchpoole**, A.M. Jennison, H. Bergh, A. Hume, C. Heney, N. George, D.L. Paterson, M.A. Schembri, S.A. Beatson, P.N.A. Harris. *Genomic analysis of carbapenemase-producing Enterobacteriaceae in Queensland reveals widespread transmission of blaIMP-4 on an IncHI2 plasmid*. Microbial Genomics. (IF 5.520) 2019 Epub ahead of print.
95. **Robertson S.T.**, **R.S. Grimley**, **C. Anstey** and **I.C. Rosbergen**. *Acute stroke patients not meeting their nutrition requirements: Investigating nutrition within the enriched environment*. Clinical Nutrition (IF 4.487) 2019. Epub ahead of print.
96. Rodríguez-Perálvarez, M., M. Guerrero, L. De Luca, B. Gros, D. Thorburn, D. Patch, M. D. Aumente, R. Westbrook, R. Fernández, V. Amado, P. Aguilar, J. L. Montero, **J. O'Beirne**, J. Briceño, E. Tsochatzis and M. De la Mata, *Area Under Trough Concentrations of Tacrolimus as a Predictor of Progressive Renal Impairment After Liver Transplantation*. Transplantation (IF 3.690), 2019. **103**, 2539-2548.
97. **Rosbergen, I.C.**, **R.S. Grimley**, K.S. Hayward, and S.G. Brauer, *The impact of environmental enrichment in an acute stroke unit on how and when patients undertake activities*. Clinical Rehabilitation (IF 2.403), 2019. **33**(4): p. 784-795.
98. Ruderman, I., S.G. Holt, G.S. Kirkland, S. Maslen, C.M. Hawley, V. Oliver, **R. Krishnasamy**, **N.A. Gray**, G.S. Talaulikar, C.L. Nelson, Y. Rajaram, H. Gock, E. Au, G.J. Elder, R. Mainra, and N.D. Toussaint, *Outcomes of cinacalcet withdrawal in Australian dialysis patients*. Internal Medicine Journal (IF 1.767), 2019. **49**(1): p. 48-54.
99. Ruderman I, N.D. Toussaint, C.M. Hawley, **R. Krishnasamy**, E. Pedagogos, N. Lioufas, G.J. Elder. *The Australian Calciphylaxis Registry: reporting clinical features and outcomes of patients with calciphylaxis*. Nephrology Dialysis Transplantation (IF 4.085) 2019 Epub ahead of print.

100. **Ruegg L.** *Repositioning a peripherally inserted central catheter (PICC) using a high-flow flush technique (HFFT) in an adult patient with non-Hodgkin's lymphoma.* Journal of Vascular Access (IF 1.397) 2019 5(2): 49-50.
101. **Ryder, R., L. Kearney, M. Kynn, and E. Weaver.** *Resilience and workplace stress in Australian and New Zealand Obstetrics and Gynaecology trainees: a cross sectional survey.* Australian and New Zealand Journal of Obstetrics and Gynaecology (IF 1.738), 2019, Epub ahead of print.
102. **Samaranayake C.B., J. Neill J. and M. Bint.** Respiratory acute discharge service: a hospital in the home programme for chronic obstructive pulmonary disease exacerbations (RADS Study). Journal of Internal Medicine (IF 1.767). 2019. Epub ahead of print.
103. Schwarzer, A.P., J. Butler, **K. Jackson**, A. Beligaswatte, L. Martin, G. Kennedy, Z. Daniela, I. Lewis, D. Hiwase, J. Wight, S. He, A. Grigg, K. Morris, P. Mollee, and P. Marlton, *A Comparison of High-Dose Cytarabine during Induction Versus Consolidation Therapy in Newly Diagnosed AML.* HemaSphere (IF Not Yet Rated), 2019. **2**(6).
104. Scott, A., O. Chua, W. Mitchell, R. Vlok, T. Melhuish, and **L. White**, *Apneic Oxygenation for Pediatric Endotracheal Intubation: A Narrative Review.* Journal of Pediatric Intensive Care (IF 3.092), 2019. **8**(3): p. 117-121.
105. Shanley, D.C., E. Hawkins, M. Page, D. Shelton, W. Liu, **H. Webster**, K.M. Moritz, L. Barry, J. Ziviani, S. Morrissey, F. O'Callaghan, A. Wood, M. Katsikitis, and N. Reid, *Protocol for the Yapatjarrathati project: a mixed-method implementation trial of a tiered assessment process for identifying fetal alcohol spectrum disorders in a remote Australian community.* BMC Health Services Research (IF 1.721), 2019. **19**(1): p. 649.
106. Shehabi Y, et al (300 contributing investigators) including **J. Brailsford, A. Buckley, L. Forbes, T. Maguire, J. Moore and L. Murray.** *Early sedation with dexmedetomidine in critically ill patients.* New England Journal of Medicine (IF 59.558), 2019. **380**(26):2506-17.
107. Simon, G.I., **A. Craswell**, **O. Thom**, M.S. Chew, **C.M. Anstey**, and Y.L. Fung, *Impacts of Aging on Anemia Tolerance, Transfusion Thresholds, and Patient Blood Management.* Transfusion Medicine Reviews (IF 3.878), 2019. **33**(3): p. 154-161.
108. Sinclair, H.A., P. Chapman, L. Omaleki, H. Bergh, C. Turni, P. Blackall, **L. Papacostas**, P. Braslins, **D. Sowden**, and G.R. Nimmo, *Identification of Lonepinella sp. in Koala Bite Wound Infections, Queensland, Australia.* Emerging Infectious Diseases (IF 7.422), 2019. **25**(1): p. 153-156.
109. Smyth B, S. Kotwal, M. Gallagher, **N.A. Gray** and K. Polkinghorne. *Arteriovenous access practices in Australian and New Zealand dialysis units.* Journal of Vascular Access (IF 1.535) 2019. **20**: 740-745
110. Smyth, B., S. Kotwal, M. Gallagher, **N.A. Gray**, K. Polkinghorne, and R.P. Project, *Dialysis catheter management practices in Australia and New Zealand.* Nephrology (IF 1.796), 2019. **24**(8): p. 827-834.
111. Smyth, B., O. van den Broek-Best, D. Hong, K. Howard, K. Rogers, L. Zuo, **N.A. Gray**, J.R. de Zoysa, C.T. Chan, H. Lin, L. Zhang, J. Xu, A. Cass, M. Gallagher, V. Perkovic, and M. Jardine, *Varying association of extended hours dialysis with quality of life.* Clinical Journal of the American Society of Nephrology (IF 4.657), 2019. **14**(12): p. 1751-1762.
112. Srivastava, A., S. Jong, A. Gola, R. Gailer, S. Morgan, K. Sennett, S. Tanwar, E. Pizzo, **J. O'Beirne**, E. Tsochatzis, J. Parkes and W. Rosenberg, *Cost-comparison analysis of FIB-4, ELF and fibroscan in community pathways for non-alcoholic fatty liver disease.* BMC Gastroenterology (IF 2.468), 2019. **19**, 122.
113. Stefanidis, K.B., B. Isbel, T. Klein, J. Lagopoulos, **C.D. Askew**, and M.J. Summers, *Cerebrovascular Correlates of Subclinical Attentional Disturbances in Non-stroke Cardiovascular Disease.* Neuroscience (IF 3.231), 2019. **421**: p. 144-151.
114. **Stephensen B.D.**, L. Clarke, B. McManus, S. Clark, R. Carroll, P. Holz and S.R. Smith. *The LAPLAP Study: A randomised placebo-controlled clinical trial assessing post-operative functional recovery using intraperitoneal local anaesthetic in laparoscopic colorectal surgery.* Colorectal Disease (IF 2.452) 2019; **21**: 1183-91
115. **Stewart, A.,** *Disseminated Mycobacterium intracellulare from a Deep Cutaneous Infection.* International Journal of Mycobacteriology (IF 1.000), 2019. **8**(1): p. 98-100 (Case Report).
116. **Stewart, A., D. Sowden, M. Caffery, M. Bint, and J. Broom,** *Rhodococcus equi infection: A diverse spectrum of disease.* IDCases (IF 0.790), 2019. **15** e00487.
117. **Stewart, A., D. Sowden, A. Sloss, and J. Broom,** *Inflammatory bowel disease masquerading as traveller's diarrhoea.* Internal Medicine Journal (IF 1.767), 2019. **49**(6): p. 789-791.
118. **Stewart, A.G., J. Broom, D. Sowden, and P. Hollett,** *Acute kidney injury in acute Q fever.* Internal Medicine Journal (IF 1.767), 2019. **49**(10): p. 1326-1329 (Case Report).
119. **Stewart, C.,** E. Power, A. McCluskey and S. Kuys. *Development of a participatory, tailored behaviour change intervention to increase active practice during inpatient stroke rehabilitation.* Disability and Rehabilitation (IF 1.919), 2019 1-9, Epub ahead of print.

120. **Styles C., L. Kearney** and **K. George**, *Implementation and upscaling of midwifery continuity of care: the experience of midwives and obstetricians*. Women and Birth (IF 1.525), 2019 Epub ahead of print
121. Szarek, M., (1400 authors incl. **S Coverdale**) and O.O.C. Investigator, *Alirocumab Reduces Total Nonfatal Cardiovascular and Fatal Events The ODYSSEY OUTCOMES Trial*. Journal of the American College of Cardiology (IF 17.759), 2019. **73**(4): p. 387-396.
122. Taryana AA, **R. Krishnasamy**, C. Bohm, S.C. Palmer, N. Wiebe, N. Boudville, J. MacRae, J.S. Coombes, C. Hawley, N. Isbel, S. Thompson. *Physical activity for people with chronic kidney disease: an international survey of nephrologist practice patterns and research priorities*. BMJ Open (IF 2.562), 2019. **18**;9 (12):e032322.
123. **Taylor, A., M. Broadbent, M. Wallis**, and **E. Marsden**, *The predictive validity of the interRAI ED screener for predicting re-presentation within 28 days for older adults at a regional hospital emergency department*. Australasian Emergency Care (IF 1.353), 2019. **22**(3): p. 149-155.
124. Torrano J., A. Al Emran, H. Hammerlindl and **H. Schaidler**. *Emerging roles of H3K9me3, SETDB1 and SETDB2 in therapy-induced cellular reprogramming*. Clinical Epigenetics (IF 5.400). 2019. **11**(1):43
125. Trivedi, S.J., M. Altman, **T. Stanton**, and L. Thomas, *Echocardiographic Strain in Clinical Practice*. Heart, Lung and Circulation (IF 1.575), 2019. **28**(9): p. 1320-1330.
126. van der Heijde, D., V. Strand, Y. Tanaka, E. Keystone, J. Kremer, C.A.F. Zerbini, M.H. Cardiel, S. Cohen, **P. Nash**, Y.W. Song, D. Tegzova, D. Gruben, G. Wallenstein, C.A. Connell, R. Fleischmann, and O.S. Investigators, *Tofacitinib in Combination With Methotrexate in Patients With Rheumatoid Arthritis: Clinical Efficacy, Radiographic, and Safety Outcomes From a Twenty-Four-Month, Phase III Study*. Arthritis & Rheumatology (IF 6.918), 2019. **71**(6): p. 878-891.
127. Vlok, R., **G.H. An**, M. Binks, T. Melhuish, and **L. White**, *Sublingual buprenorphine versus intravenous or intramuscular morphine in acute pain: A systematic review and meta-analysis of randomized control trials*. American Journal of Emergency Medicine (IF 1.504), 2019. **37**(3): p. 381-386.
128. **Walker, M.A., T.G. Bailey**, L. McIlvenna, J.D. Allen, D.J. Green, and **C.D. Askew**, *Acute Dietary Nitrate Supplementation Improves Flow Mediated Dilatation of the Superficial Femoral Artery in Healthy Older Males*. Nutrients (IF 3.759), 2019. **11**(5): p. 17.
129. Welsh, J., R.J. Korda, G. Joshy, **K. Greaves**, and E. Banks, *Variation in coronary angiography and revascularisation procedures in relation to psychological distress among patients admitted to hospital with myocardial infarction or angina*. Journal of Psychosomatic Research (IF 2.840), 2019. **125**:109794
130. **White, L., A. Azzam, L. Burrage, C. Orme, B. Kay, S. Higgins, S. Kaye, A. Sloss, J. Broom, N. Weston, J. Mitchell, and J. O'Beirne**, *Facilitating treatment of HCV in primary care in regional Australia: closing the access gap*. Frontline Gastroenterology (IF 1.350), 2019. **10**(3): p. 210-216.
131. **White, L.D.**, A. Hodsdon, **G.H. An, C. Thang**, T.M. Melhuish, and **R. Vlok**, *Induction opioids for caesarean section under general anaesthesia: a systematic review and meta-analysis of randomised controlled trials*. International Journal of Obstetric Anesthesia (IF 1.958), 2019. **40**: p. 4-13.
132. **Wickremaratne, T., S. Turner**, and **J. O'Beirne**, *Systematic review with meta-analysis: ultra-thin gastroscopy compared to conventional gastroscopy for the diagnosis of oesophageal varices in people with cirrhosis*. Alimentary Pharmacology and Therapeutics (IF 7.357), 2019. **49**: 1464-1473.
133. Willemsen, A., R. Cobbald, J. Gibson, **K. Wilks**, S. Lawler, and S. Reid, *Infection control practices employed within small animal veterinary practices-A systematic review*. Zoonoses AND Public Health (IF 2.268), 2019. **66**(5): p. 439-457.
134. **Williams P., G. Beall**, M.O. Cotta and J.A. Roberts, *Antimicrobial dosing in critical care: A pragmatic adult dosing nomogram*. International Journal of Antimicrobial Agents (IF 4.097), 2019, Epub ahead of print.
135. **Williams, P.**, M.O. Cotta, and J.A. Roberts, *Pharmacokinetics/Pharmacodynamics of β -Lactams and Therapeutic Drug Monitoring: From Theory to Practical Issues in the Intensive Care Unit*. Seminars in Respiratory and Critical Care Medicine (IF 2.274), 2019. **40**(4): p. 476-487.
136. **Woolfield, A.**, G. Mitchell, S. Kondalsamy-Chennakesavan, and H. Senior, *Predicting Those Who Are at Risk of Dying within Six to Twelve Months in Primary Care: A Retrospective Case-Control General Practice Chart Analysis*. Journal of Palliative Medicine (IF 2.023), 2019. **22**(11): p. 1417-1424.
137. Wright H., H. Kickbusch, L. Swanepoel, **N.A. Gray**, *Factors influencing low sodium intake in people with non-dialysis dependent chronic kidney disease*. Journal of Renal Care (IF 1.216) Epub ahead of print.

138. Wythe, S., T.W. Davies, **J. O'Beirne**, D. Martin, and E. Gilbert-Kawai, *Observational study of the microcirculation in patients with liver cirrhosis*. Journal of Gastroenterology and Hepatology Open (IF 3.322), 2019. **3**(6): p. 518-524.
- 139. Xian Quah, J., K. Greaves**, L. Thomas, and **T. Stanton**, *The Clinical Utility and Enduring Versatility of Stress Echocardiography*. Heart, Lung & Circulation (IF 1.575), 2019. **28**(9): p. 1376-1383.
140. Xu, H., A.N.B. Johnston, J.H. Greenslade, M. Wallis, E. Elder, L. Abraham, **O. Thom**, E. Carlstrom, and J. Crilly, *Stressors and coping strategies of emergency department nurses and doctors: A cross-sectional study*. Australasian Emergency Care (IF 1.353), 2019. **22**(3): p. 180-186.
141. Zhan, Z., B. Smyth, N.D. Toussaint, **N.A. Gray**, L. Zuo, J.R. de Zoysa, C.T. Chan, C. Jin, A. Scaria, C.M. Hawley, V. Perkovic, M.J. Jardine, and L. Zhang, *Effect of extended hours dialysis on markers of chronic kidney disease-mineral and bone disorder in the ACTIVE Dialysis study*. BMC Nephrology (IF 2.289), 2019. **20**(1): e258.
142. Zhang J, H.G. Healy, K. Baboolal, Z. Wang, S.K. Venuthurupalli, K.-S. Tan. A. Cameron, W.E. Hoy, R. Fassett, T. Han, G. Kan, T. Titus, K. Madhan, M. Mantha, C. Banny, S. Govindarajulu, **N. Gray**, A. Rolfe, D. Ranganathan., C. Mutatiri, S. Hossain, D. Wu, and R. Cherian. *Frequency and consequences of acute kidney injury in patients with CKD: A registry study in Queensland Australia*. Kidney Medicine (IF Not Yet Rated) 2019. **1**(4): 180-190
143. Ziklo, N., W.M. Huston, **K. Taing**, and P. Timms, *High expression of IDO1 and TGF- β 1 during recurrence and post infection clearance with Chlamydia trachomatis, are independent of host IFN- γ response* 11 Medical and Health Sciences 1107 Immunology. BMC Infectious Diseases (IF 2.825), 2019. **19**(1).

BOOK/THERAPEUTIC GUIDELINE

1. **Nataatmadja M**, J. Graham, M. Beaulieu, N. Zalunardo, A. Levin. *The role of the chronic kidney disease clinic and multidisciplinary team care*. In: Chronic Kidney Disease, Dialysis and Transplantation: A Companion to Brenner and Rector's The Kidney (Fourth Edition). Saunders Elsevier, Philadelphia, 2019
2. **Sowden D.** and **T. Hadwen** *Bone disease in patients with HIV* Australasian Society for HIV, Viral Hepatitis and Sexual Health Medicine (ASHM), In: HIV management in Australasia. A guide for clinical care. October 2019
3. **Vemuri, K.**, *Therapeutic Guidelines: Ulcers and wound management. Version 2*. Australian Prescriber (IF 0.397), 2019. **42**(6): p. 206-206.

LETTERS

1. Chan, F., A. Swayne, **D. Gillis**, M. Walsh, R.D. Henderson, P.A. McCombe, R.C. Wong, and S. Blum, *Long-term follow-up of patients with myasthenia gravis treated with low-dose rituximab*. Journal of Neurology, Neurosurgery & Psychiatry (IF 6.431), 2019. **90**(8): p. 955-956.
2. **Davidson, N.** and **J. Broom**, *Vaccine strain varicella zoster virus transmitted within a family from a child with shingles results in varicella meningitis in an immunocompetent adult*. Internal Medicine Journal (1.767), 2019. **49**(1): p. 132-133.
3. **Dyer, J., K. Morwood** and **K. Choong**, *Tofacitinib: raising awareness of mycoses*. Internal Medicine Journal (1.767), 2019. **49**(6): p. 805-806.
4. **Mitchell, J.** and **J. O'Beirne**, *Benefit of haemostatic spray in variceal bleeding: early application of spray or early application of guidelines?* Gut (IF 14.921), 2019. **68**(6): p. 1134-5.
5. Read T., M. Lonne, D.S. Sparks, M. David, M. Wagels, **H. Schaidler**, H.P. Soyer and B.M. Smithers. *A systematic review and meta-analysis of locoregional treatments for in-transit melanoma*. Journal of Surgical Oncology (IF 3.151). 2019. **120**(6):1058-1059. Response to letter to the editor.
6. **White, L., G.H. An, and R. Vlok**, *Multimodal analgesia to reduce NSAID induced myocardial Infarction*. Annals of the Rheumatic Diseases (IF 12.384), 2019. **78**(8): p. e87.
7. **White, L.**, R. Vlok, and T. Melhuish, *Ultrasound-guided radial artery catheterization: A superior technique for expert clinicians?* American Heart Journal (IF 4.332), 2019. **212**: p. 161-163.

EDITORIALS

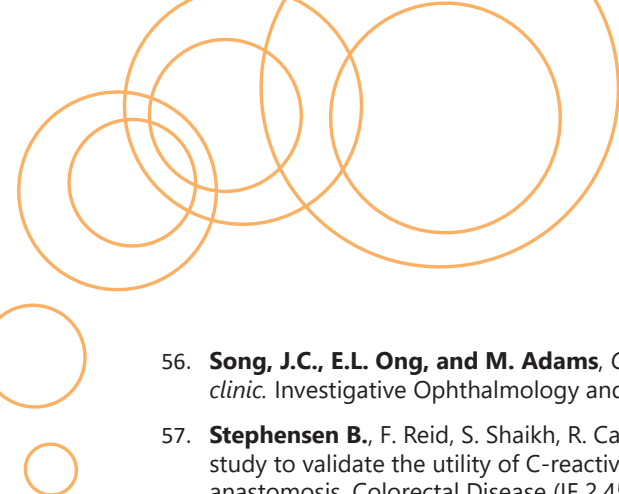
1. Gregory, A.T., **T. Stanton**, L. Thomas, J.B. Selvanayagam, and A. Robert Denniss, *Echocardiography: Navigating Complexities to Provide Many Useful Applications in Contemporary Clinical Cardiology*. Heart, Lung & Circulation (IF 1.575), 2019. **28**(9): p. 1303-1306.

CONFERENCE ABSTRACTS and POSTERS

1. **Anderson, J.**, E. Lau, M. Lavender, R. Benza, D. Celermajer, N. Collins, C. Corrigan, N. Dwyer, J. Feenstra, M. Horrigan, D. Keating, E. Kotlyar, T. McWilliams, B. Rhodes, P. Steele, V. Thakkar, T. Williams, H. Whitford, K. Whyte, R. Weintraub, J. Wrobel, A. Keogh, and G. Strange, *Validation of the REVEAL 2.0 risk score with the Australian and New Zealand pulmonary hypertension registry cohort*. European Respiratory Journal (IF 8.332), 2019. **54**.
2. **Anderson, J.**, M. Lavender, E. Lau, D. Celermajer, N. Collins, N. Dwyer, J. Feenstra, M. Horrigan, D. Keating, A. Keogh, E. Kotlyar, B. Ng, S. Proudman, P. Steele, V. Thakkar, R. Weintraub, H. Whitford, T. Williams, J. Wrobel and G. Strange. *Pharmacological treatment of pulmonary arterial hypertension in Australia: current trends and challenges*. Australian Rare Lung Disease Short Course (ARLDSC) 23-24 August 2019 Melbourne. Poster presentation.
3. **Atwell D., C. D. Vignarajah, and M. Min.** *A review of radiotherapy dose escalation in mucosal primary head and neck cancer*. Royal Australian and New Zealand College of Radiologists (RANZCR) Conference, Auckland 2019.
4. **Baker A, P. Cornwell, A. Karwaj.** Person centered and goal directed rehabilitation. How are we doing in Queensland? Presented at Qld Health Clinical Excellence Showcase (Awarded Qld Health Clinical excellence award).
5. **Bhattacharya, J., A. Craswell, and R. Grimley,** *An epidemiological study of falls presentations in the elderly in a regional hospital*. Age and Ageing (IF 4.201), 2019. **48**(2): p. iv18.
6. **Broom, J.**, A. Broom, and E. Kirby, *The drivers of antimicrobial use across institutions, stakeholders and economic settings: A paradigm shift is required for effective optimisation*. Infection, Disease and Health (IF 0.54), 2019. **24**: p. S7.
7. **Burrage, L.**, H. Zimmerman, **S. Higgins, K. Param, C. Orme, J. Mitchell and J. O'Beirne** *Utility of simple serum based tests to exclude cirrhosis prior to HCV treatment in non-hospital based settings*. Journal of Hepatology (IF 1.030), 2019. **70**, E501.
8. Cadilhac D., S. Middleton, C. Anderson, K. Hill, S. Breen, M. Kilkenney, J. Kim, **R. Grimley**, S. Faux, C. Levi, G. Donnin, N. Lannin. *10 years of implementing the Australian stroke clinical registry: adapting to changing waistlines and hairstyles*. European Stroke Organisation Conference 2019; Milan, Italy 2019. European Stroke Journal (IF 1.770) 2019, Vol. 4(1S) p. 666
9. **Cole, R., J. Young, L. Kearney, and J.M.D. Thompson,** *My baby... parents' awareness and attitudes of current national safe sleeping guidelines: a state-wide cross-sectional study*. Australian College of Midwives National Conference, 17-19 September 2019, National Convention Centre Canberra, Canberra, Australia. Women and Birth (IF 1.525), 2019. **32**: p. S15-S15.
10. Corley, A., I. Lye, J. Lavana, A. Ahuja, P. Jarrett, **C. Anstey**, E. Haisz, R. Parke, H. Buscher, V. Pellegrino, and J. Fraser, *Nosocomial Infection Rates in Patients Receiving Extracorporeal Membrane Oxygenation Across Australia and New Zealand: An Interim Analysis...43rd Australian and New Zealand Annual Specific Meeting on Intensive Care and 24th Annual Pediatric and Neonatal Intensive Care Conference, 11-13 October 2018, Australia*. Australian Critical Care (IF 1.479), 2019. **32**: p. S12-S12.
11. **D'Arcy, N., J. Blazak,** and J. Challen, *Adhesive capsulitis in the knee following arthroscopy*. Skeletal Radiology (IF 1.527), 2019. **48**(9): p. 1470.
12. **Day, M., J. O'Beirne, J. Mitchell, and A. Sloss,** *High-quality care in suspected variceal bleeding: Opportunities for improvement*. Journal of Gastroenterology and Hepatology (IF 3.322), 2019. **34**: p. 78-79.
13. **Deen, J.** and K. Deen, *Lymphangioma circumscriptum: A rare but important diagnosis with debilitating complications*. Australasian Journal of Dermatology (IF 1.305), 2019. **60**: p. 33.
14. **Deen, J.** and J. Johnston, *Blue naevus-like metastatic melanoma*. Australasian Journal of Dermatology (IF 1.305), 2019. **60**: p. 32.
15. **Deen, J.** and I. Robertson, *Recurrent cutaneous extranodal NK/T-cell (nasal type) lymphoma*. Australasian Journal of Dermatology (IF 1.305), 2019. **60**: p. 33.
16. **Deen, J.** and C. Wyatt, *A case of bullous pemphigoid occurring in a young Ethiopian man with latent tuberculosis*. Australasian Journal of Dermatology (IF 1.305), 2019. **60**: p. 32.
17. **Eastgate, P.,** *Managing nightshifts using an evidence-based approach*. Journal of Medical Radiation Sciences, 2019. **66**: p. 80.

18. **Eqbal, A., A. Martin, and D. Patrick**, *Low-dose thioguanine is a safe and effective alternative for patients with inflammatory bowel disease who are intolerant to conventional thiopurines*. Journal of Gastroenterology and Hepatology (IF 3.322), 2019. **34**: p. 142.
19. **Faithfull-Byrne, A., Thompson, L., Gonzalez, J., Geisler, K., Hallinan, C., Wilkinson, G.** and Moss, C. *Empowering professionals at the point of care: the role of the clinical coach in patient safety*. Nursing and Midwifery Leadership Conference 2019. Crown Conference Centre, Perth. 28th–29th November 2019.
20. Field D., P. Morgan, D. Cadilhac, T. Purvis, **R. Grimley**, M.F. Kilkenny, N.E. Andrew. *A profile of adult patients with stroke and risk of death up to 90 days after very early mobilisation* Presented at Stroke 2019 Canberra Sept 2019. International Journal of Stroke 2019, **14**(2S) 3-30.
21. Fitzgerald, D., S. Muruganandan, J.P. Uribe-Becerra, S. Tsim, R. Asciak, S. Walker, **M. Azzopardi**, N. Rahman, N. Maskell, K. Blyth, A. Majid, and Y.C.G. Lee, *Outcomes of intrapleural tissue plasminogen activator (tPA) and deoxyribonuclease (DNase) for IPC-related pleural infection*. European Respiratory Journal (IF 8.332), 2019. **54**.
22. **Gadsby, B., C. Samaranayake**, M. Windsor, and **M. Bint**, *Negative predictive value of a PET-CT scan for occult mediastinal nodal metastases in early stage lung cancer*. Respiriology (IF 3.078), 2019. **24**(S1): p. 161.
23. **Gonzalez, J., Thompson, L., El Haddad, M., Faithfull-Byrne, A. Wilkinson, G.** and Moss, C. *Translating theory into practice: an immersive leadership course for nurse/midwifery unit managers*. Nursing and Midwifery Leadership Conference 2019. Crown Conference Centre, Perth. 28th–29th November 2019.
24. Green T., K. Marnane, **R. Grimley, I. Rosbergen** and L. Gustaffson. *Experiences of patients with stroke and family members of post-acute rehabilitation decision-making and community-based rehabilitation*. European Stroke Organisation Conference 2019; Milan, Italy.
25. **Gupta, R.**, J. Thomas, G. Anderson, and T. Rahman, *The two-year outcome in patients with mhe and sarcopenia on mortality and the development of ohe*. American Journal of Gastroenterology (IF 10.383), 2019. **114**: p. S9-S11.
26. **Han, I.** and **K. Buzacott**, *Reed-Sternberg-like cells on a background of peripheral T-cell lymphoma in a 68-year-old woman*. Pathology (IF 2.968), 2019. **51**: p. S83-S84.
27. **Hansen M** and **P. Williams**. *Optimisation of Pharmacist documentation in an integrated electronic medical record*. SHPA 45th National Conference – Medicines Management, Gold Coast, November 2019
28. **Hearn N**. Feasibility of integrating routine diagnostic functional magnetic resonance imaging for novel applications in head and neck radiation therapy planning. Australian MRI in Radiotherapy Conference 2019, Noosa, November 2019.
29. **Hoang, T., J. Anderson**, K. Hay, and G. Tay, *Evaluation of inpatient oxygen therapy in hypercapnic chronic obstructive pulmonary disease (COPD)*. Respiriology (IF 3.078), 2019. **24**(S1): p. 124.
30. Jiang D.M., C. Suzuki, O. Espin-Garcia, C.s H. Lim, L. X. Ma, P.n Sun, H-W. Sim, A. Natori, **B. A. Chan**, D. Yokom, S. Moignard, E. X. Chen, G. Liu, C. J. Swallow, G. E. Darling, R.a Wong, R. W-J. Jang and E. Elimova. *Surveillance and outcomes after curative resection for gastroesophageal adenocarcinoma (GEAC)*. Journal of Clinical Oncology (IF 1.722). 2019. 37 (15_suppl), e15579-e15579
31. Kilkenny M, L. Dalli, J. Kim, D. Lopez, **R. Grimley**, R. Lindley, V. Sundararajan, D. Cadilhac. *Utility of the Hospital Frailty Risk score derived from administrative data and the association with stroke outcomes: linked Registry study* Presented at Stroke2019 Canberra Sept 2019. International Journal of Stroke 2019, **14**(2S) 3-30
32. Lannin N, J. Kim, N. Andrew, L. Dalli, **R. Grimley**, C. Anderson, V. Sundararajan, A. Thrift, D. Cadilhac and M. Kilkenny. *Prevalence of risk factors in younger patients with stroke*. Presented at Stroke 2019 Canberra Sept 2019. International Journal of Stroke 2019, **14**(2S) 3-30
33. Lynch E, A. Labberton, J. Kim, M. Kilkenny, N.A. Andrew, N. Lannin, **R. Grimley**, S. Faux and D. Cadilhac. *Is access to inpatient rehabilitation after stroke associated with better long-term outcomes? Evidence from the Australian Stroke Clinical Registry 2010–2013* Presented at Stroke2019 Canberra Sept 2019. International Journal of Stroke (IF 3.044) 2019, **14**(2S) 3–30
34. Mikocka-Walus, A., W. Massuger, S. Knowles, G. Moore, **S. Buckton**, W. Connell, P. Pavli, L. Raven, and J. Andrews, *Patient experience of the quality of care for people with inflammatory bowel disease in Australia: A national survey*. Journal of Gastroenterology and Hepatology (IF 3.322), 2019. **34**: p. 146.
35. **Moore, L., L. Byrom, and L. Banney**, *Anti-MDA 5 positive dermatomyositis: An emerging entity*. Australasian Journal of Dermatology (IF 1.305), 2019. **60**: p. 66.
36. **Morris M.**, J. Moore, C. Furnival and N. Dunne, *Utilisation of adjuvant chemotherapy for women diagnosed with breast cancer in Queensland*. Asia Pacific Journal of Clinical Oncology (IF 1.722), 2019, **15** (Supp 5), 52-57.

37. **Nataatmadja M, Krishnasamy R, Zuo L, Hong D, Smyth B, Jun M, de Zoysa J, Howard K, Wang J, Liu Z, Chan C, Cass A, Perkovic V, Jardine M, Gray N.** *Quality of life in caregivers of patients receiving standard versus extended hours haemodialysis: the Co-ACTIVE sub-study of the ACTIVE dialysis trial.* American Society of Nephrology Kidney Week, Washington DC, 2019
38. **Neil, J., C. Samaranayake, N. Sergeant, and M. Bint,** *Effectiveness of an early discharge service for patients admitted to hospital with an acute COPD exacerbation: A pilot programme (RADS study).* *Respirology* (3.078), 2019. **24**(S1): p. 26.
39. O'Rourke, C., S. Schilling, R. Martin, **P. Joyce**, A. Chang, and N. Kapur, *A comparison of in-hospital and HITH-based treatment of respiratory exacerbations in children with bronchiectasis.* *European Respiratory Journal* (IF 8.332), 2019. **54**.
40. Papaluca, T., K. New, S. Strasser, K. Stuart, G. Dore, G. Farrell, J. George, G. Jeffrey, **J. O'Beirne**, M. Sinclair, A. Wade, G. Ahlenstiel, S. Hazeldine, A. Wigg, K. Sheikh, A. Woodward, M. Weltman, I. Valiozis, B. McGarity, L. Fisher, M. Levy, E. Tse, M. Wilson, J. Thomas, A. Lee, R. Sawhney, W. Sievert, S. Sood, W. Cheng, S. Roberts, and A. Thompson, *Efficacy and safety of sofosbuvir, velpatasvir, and voxilaprevir in NS5A-experienced patients with advanced liver disease or prior liver transplantation: The first Australian real-world experience.* *Journal of Gastroenterology and Hepatology* (IF 3.322), 2019. **34**: p. 72-73.
41. Paxton-Hall, F. Z. Lwin, **B.A. Chan**, W. Lukin, J. Williams, J. Greenslade and A. Kermond, *Analgesic requirement as a predictor of mortality to guide ceilings of care discussions for oncology patients in the emergency room.* *Journal of Clinical Oncology* (IF 1.722). 2019. **37** (27_suppl), 188-188
42. **Pietzsch, A.** Free Poster Session. Pregnancy and return to work for trainees. ANZCA Combined Special Interest Group Meeting, 2019.
43. Powell, E., R. Skoien, T. Rahman, P. Clark, **J. O'Beirne**, G. Hartel, K. Stuart, S. Mcphail, R. Gupta, P. Boyd and P. Valery *The burgeoning growth in cirrhosis-related hospitalization in Australia, 2008-2016.* *Journal of Hepatology*, (IF 1.030), 2019. **70**, E346-E347.
44. Proot, P., J. Melling, **B. Tsang**, M. Ferraris, N. Murphy, M. Nelson, M. Pedrazzoli, M. Marchina, and E. Lahouiri, *Impact assessment of clinic management interventions on efficiency in three headache centers.* *Cephalalgia* (IF 6.052), 2019. **39**(1): p. 107.
45. **Quinn, L. and N. New,** *Retrospective audit on the appropriate use and prescription of prothrombin complex concentrate in the Sunshine Coast Health Service District. RACP Congress 2019 Impacting Health Along the Life Course 6-8 May 2019 Aotea Centre, Auckland, New Zealand.* *Internal Medicine Journal* (IF 1.767), 2019. **49**(S3): p. 12.
46. **Reeves, S. and M. Robinson,** *Complications of reverse total shoulder replacement: A radiologist's guide.* *Skeletal Radiology* (IF 1.527), 2019. **48**(9): p. 1472.
47. **Roberts K., O. Thom,** P. Leggat, S. Devine and R. Franklin. A scoping review of female drowning treatment and outcomes. Presented at World Conference on Drowning Prevention, Durban, Oct 2019
48. **Robertson, C.,** *A new beginning: The Sunshine Coast Hospital Health Service story.* *Journal of Medical Radiation Sciences* (IF 0.574), 2019. **66**(S1): p. 56.
49. **Rosbergen I., I. Tonello, R. Clark, S. Horsley, K. Walker, E. Farrow and R. Grimley.** *Does the physical hospital environment impact on activity levels and social isolation in patients within an acute stroke and subacute inpatient rehabilitation unit.* Smart Stroke Conference 2019. *International Journal of Stroke* (IF3.044) 2019, **14**, (1S), (**Awarded best Abstract**)
50. **Ruegg, L.M., M.A. Faucett, and K.L. Choong,** *A quality improvement management project to improve the management of ambulance inserted peripheral cannulae (PIVC).* *Journal of Vascular Access* (IF 1.397), 2019. **20**(1): p. NP78-NP79.
51. **Ryan, R.** Gilbert Troup Prize Session. *Does cefazolin prophylaxis during elective bariatric surgery achieve therapeutic concentrations in plasma and adipose tissue?* ANZCA Annual Scientific Meeting, 2019.
52. **Ryan, R.,** D. Jackson, G. Hopkins, V. Eley, R. Christensen, S. Parker, A. Van Zundert, S. Wallis, J. Lipman, and J. Roberts, *A pharmacokinetic model for optimal prophylactic cefazolin dosing in elective bariatric surgery patients.* *Anaesthesia and Intensive Care* (IF 1.283), 2019. **47**(2): p. 12-13.
53. **Savage G., Stapleton T. and Grieve D.** Does a first rib fracture predict significant soft tissue injuries? Poster presentation at Royal Australasian College of Surgeons Annual Scientific Congress, May 2019, Bangkok, Thailand.
54. **Seymour M.** Non-specific abdominal pain: can patient requiring admission be predicted? Poster presentation for completion of MSC Surgical Services, March 2019, University of Edinburgh, Scotland.
55. Shah, S., **J. O'Beirne**, W. Rosenberg, E. Gathogo and R. Westbrook. *Outcomes of hepatitis B patients transplanted without hepatitis B immunoglobulin.* *Journal of Hepatology*, (IF 1.030), 2019. **70**, E480.

- 
56. **Song, J.C., E.L. Ong, and M. Adams**, *Glaucoma surveillance in patients receiving intravitreal injections in a regional eye clinic*. Investigative Ophthalmology and Visual Science (IF 3.427), 2019. **60**(9).
 57. **Stephensen B.**, F. Reid, S. Shaikh, R. Carroll, S.R. Smith and P. Pockney. The PREDICT Study: 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. Colorectal Disease (IF 2.452) 2019; **21**(S2): 4-9. Podium Presentation.
 58. **Stephensen B.**, F. Reid, S. Shaikh, R. Carroll, S.R. Smith and P. Pockney. The PREDICT Study: 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. ANZ Journal of Surgery (IF 1.158) 2019; **89**(S1): 56-87. Podium Presentation.
 59. Taylor K., O. Espin-Garcia, D. M. Jiang, D. Yokom, L. X. Ma, C. H. Lim, **B. A. Chan**, P. Sun, H-W. Sim, A. Natori, G. Liu, G. I E. Darling, R. Wong, E. X. Chen, R. W-J. Jang, P. Veit-Haibach, D. Rozenberg and E. Elimova, *Prognostic significance of malnutrition in metastatic esophageal squamous cell carcinoma*. Journal of Clinical Oncology (IF 1.722). 2019. 37 (4_suppl), 171-171
 60. **Tedman A., L. Byrom, I. Han, D. Gaffney and L. Banney**. *Chromoblastomycosis of the nail bed*. Australasian Journal of Dermatology (IF 1.305) 2019 **60** Supplement 1 (93-).
 61. **Thom O., K. Roberts**, P. Leggat, S. Devine and R. Franklin. *The role of non-invasive ventilation in reversal of hypoxia in drowning patients*. Presented at World Conference on Drowning Prevention, Durban, Oct 2019
 62. **Thompson, L.**, Welch, A. and Barr, J. *Coaching for clinical nurse leaders: a mixed methods study*. Nursing and Midwifery Leadership Conference 2019. Crown Conference Centre, Perth. 28th–29th November 2019.
 63. **Trypis, G.**, *Promoting and supporting the health and wellbeing of medical radiation science students on clinical placement*. Journal of Medical Radiation Sciences (IF 0.574), 2019. **66**(S1): p. 44.
 64. **Trypis, G.**, *Radiation in space: The final frontier*. Journal of Medical Radiation Sciences (IF 0.574), 2019. **66**(S1): p. 54.
 65. **Turner C. and M. Morris**, *Real-world outcomes of upfront docetaxel in hormone-sensitive metastatic prostate cancer: Experience from the Adem Crosby Centre, Sunshine Coast University Hospital*. Asia Pacific Journal of Clinical Oncology (IF 1.722), 2019, **15** (Supp 5), 52-57.
 66. Valery, P., R. Skoien, T. Rahman, P. Clark, **J. O'Beirne**, G. Hartel, K. Stuart, S. Mcphail, R. Gupta and E. Powell *Changing prevalence of aetiological factors among Australians hospitalized for cirrhosis*. Journal of Hepatology, (IF 1.030), 2019. **70**, E346.
 67. **Whiteman, K.**, *Do radiographers have a perfect memory?* Journal of Medical Radiation Sciences (IF 0.574), 2019. **66**(S1): p. 126.
 68. **Wickremeratne, T., S. Turner, S. Higgins, A. Sloss, J. Mitchell, and J. O'Beirne**, *Unsedated ultrathin endoscopy for variceal surveillance in the outpatient setting: Evidence into practice*. Journal of Gastroenterology and Hepatology (IF 3.322), 2019. **34**: p. 236-237.
 69. **Wickremeratne, T., S. Turner, P. Leschke, J. Langton, S. Johnston, J. Mitchell, and J. O'Beirne**, *Indications and outcomes of transjugular intrahepatic portosystemic shunt insertion in a regional hepatology center*. Journal of Gastroenterology and Hepatology (IF 3.322), 2019. **34**: p. 82-83.
 70. **Willis, D.**, *Development of a virtual 3D linear accelerator model including patient specific geometry to facilitate collision prediction*. Journal of Medical Radiation Sciences (IF 0.574), 2019. **66**(S1): p. 59.
 71. Young, J., **L. Kearney, C. Rutherford**, and J. Hoey, *The ESCCaPE trial. Enabling safe and close care in postnatal environments: a pilot...Australian College of Midwives National Conference, 17-19 September 2019, National Convention Centre Canberra, Canberra, Australia*. Women & Birth (IF 1.525), 2019. **32**: p. S15-S15.
 72. Young, M., B. Hilder, **J. Duggan**, J. Harrison, J. McNickle, S. Wallace, T. Williams, A. McGrath, E. Tiong, M. Jones, R. Awad, and M. Skala, *Implementation of stereotactic ablative body radiotherapy in southern Tasmania*. Journal of Medical Radiation Sciences (IF 0.574), 2019. **66**(S1): p. 64.
 73. **Zulkifli, N., H. Harding, L. Vaux, A. Sloss, J. Mitchell, and J. O'Beirne**, *Model for end-stage liver disease score corrected for "true" creatinine improves prognostication in patients with decompensated cirrhosis*. Journal of Gastroenterology and Hepatology (IF 3.322), 2019. **34**: p. 87-88.

INVITED SPEAKER

1. **Broom, J.** *Antimicrobial stewardship; incorporating social influence, clinical context and specialty-specific issues* Third NSW Antimicrobial Stewardship Forum, Sydney June 2019
2. **Davies A.** *Know your anticoagulant*, Health Round Table Medication Safety Improvement Group, Brisbane, June 2019.
3. **Krishnasamy R.** Baxter HDx TheraNova Symposium, World Congress of Nephrology, Melbourne 2019.
4. **Williams P.** *Dosing guidelines to optimise antibiotic effectiveness*. National Forum on Antimicrobial Resistance. UQ CCR, Brisbane, November 2019. Presentation
5. **Williams P.** Queensland Critical Care Research Forum – Introduction from the Chairperson. GCUH, Gold Coast, July 2019.
6. **Williams P.**, E. McCourt, J. Coombes, S. Stacey, A. Hale. *When/why to do a Research Higher Degree?* SHPA Pharmacy Research Symposium, Pharmacy Australia Centre of Excellence (PACE) Brisbane, October 2019. Panel discussion.

AWARDS/PRIZES**SCHI-based PARTNER PUBLICATIONS (No SCHHS Author)****ARTICLES**

1. Chiou, T.T., P. Long, A. Schumann-Gillett, V. Kanamarlapudi, S.A. Haas, K. Harvey, M.L. O'Mara, A.L. De Blas, V.M. Kalscheuer, and R.J. Harvey, *Mutation p.R356Q in the collybistin phosphoinositide binding site is associated with mild intellectual disability*. *Frontiers in Molecular Neuroscience* (IF 3.720), 2019. **12**(March).
2. Cobbold, C., *Type 2 diabetes mellitus risk and exercise: is resistin involved?* *Journal of Sports Medicine & Physical Fitness* (IF 1.111), 2019. **59**(2): p. 290-297.
3. Fraser, T.A., M.G. Bell, P.N.A. Harris, S.C. Bell, H. Bergh, T.K. Nguyen, T.J. Kidd, G.R. Nimmo, D.S. Sarovich, and E.P. Price, *Quantitative real-time PCR assay for the rapid identification of the intrinsically multidrug-resistant bacterial pathogen *Stenotrophomonas maltophilia**. *Microbial Genomics* (IF 5.520), 2019. **5**(10).
4. Klein, T., S. Schneider, T.G. Bailey, C.D. Askew, and V. Abeln, *Cerebral Blood Flow during Interval and Continuous Exercise in Young and Old Men*. *Medicine and Science in Sports & Exercise* (IF 4.291), 2019. **51**(7): p. 1523-1531.
5. Lin F., S. Phelan, W. Chaboyer and M. Mitchell, *Early mobilisation of ventilated patients in the intensive care unit: A survey of critical care clinicians in an Australian tertiary hospital*. *Australian Critical Care* (IF 1.479) Epub ahead of print.
6. Price, E.P. and D.S. Sarovich, *The Scourge of Antibiotic-resistant Infections in Cystic Fibrosis*. *Trends in Microbiology* (IF 9.500), 2019. **27**(4): p. 289-291.
7. Shoubridge, C., R.J. Harvey, and T. Dudding-Byth, *IQSEC2 mutation update and review of the female-specific phenotype spectrum including intellectual disability and epilepsy*. *Human Mutation*, 2019. **40**(1): p. 5-24.
8. Stefanidis, K.B., B. Isbel, T. Klein, J. Lagopoulos, C.D. Askew, and M.J. Summers, *Cerebrovascular Correlates of Subclinical Attentional Disturbances in Non-stroke Cardiovascular Disease*. *Neuroscience* (IF 3.231), 2019. **421**: p. 144-151.

CONFERENCE ABSTRACTS

1. Ngoh, A., M. Clark, B. Nevillie, J.H. Cross, D. Kullmann, R. Harvey, and M.A. Kurian, *Genetic heterogeneity of Landau Kleffner Syndrome*. *Developmental Medicine and Child Neurology* (IF 3.615), 2019. **61**: p. 46-47.

