

2018

Annual Research Report

Sunshine Coast Hospital and Health Service

RESEARCH SNAPSHOT 2018

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Foreword

Research plays a fundamental role in driving improvement in health outcomes for our patients and community. 2018 saw increased opportunities for growth and development of research in Sunshine Coast Hospital and Health Service (SCHHS) and with our Sunshine Coast Health Institute (SCHI) partners. This is particularly well demonstrated by the increase in research activity and collaboration with local, state and national colleagues.

You will see from this Annual Research Report that our researchers are involved in a wide range and breadth of research from descriptive studies to multi-centre clinical trials. While the studies may vary in size and complexity, their commitment to the better health of our patients, translational impact and wider benefit to the community is a constant and transparent theme.

The publication of this Annual Research Report also provides the opportunity to celebrate and acknowledge the work of our researchers, their collaborators and those who support them throughout our organisation. There is a long history of health research in SCHHS and it is important to recognise the strong foundations for successful research that have been made by our predecessors. It is their hard work and vision that has set us on the pathway to future success.

There are a number of people to thank. First of all, the patients and participants who give so generously of their time to support research. Members of our Board and the Executive Leadership team continue to act as strong advocates for research. I would like to acknowledge and thank Dr Margaret Way for her guidance of the research program within the health service and the clinical departments throughout our organisation that support the day to day conduct of research. I particularly wish to recognise Associate Professor Nicholas Gray as outgoing Chair of the health service's Research Clinical Council for his leadership and advocacy for research within the health service over many years. Thanks also to the members of the Research Clinical Council, Research Operations Group, and the staff of the Research Governance and Development Unit, Library, Clinical Trials Unit and Research staff working in our Departments for the support you provide. Our research partners from a wide range of health services and institutions bring valuable knowledge and capability to our work. A final word of thanks to the team at Wishlist and the Study, Education, Research Trust Fund for their funding of grants for local research, and to the reviewers who assisted in the assessment of these applications.

We have a long journey to achieve the goals outlined in our Research Strategy, but as you will see, the fundamentals are strong, the opportunities are there, and the future looks good.

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



Highlights at a Glance

This Annual Research Report presents an opportunity for our research community to reflect on the achievements and challenges of the previous year. The service groups and departments that have shared their research highlights, outcomes and priorities in this report have a predominant message of continued growth and collaboration.

Continued growth and collaboration looks like:

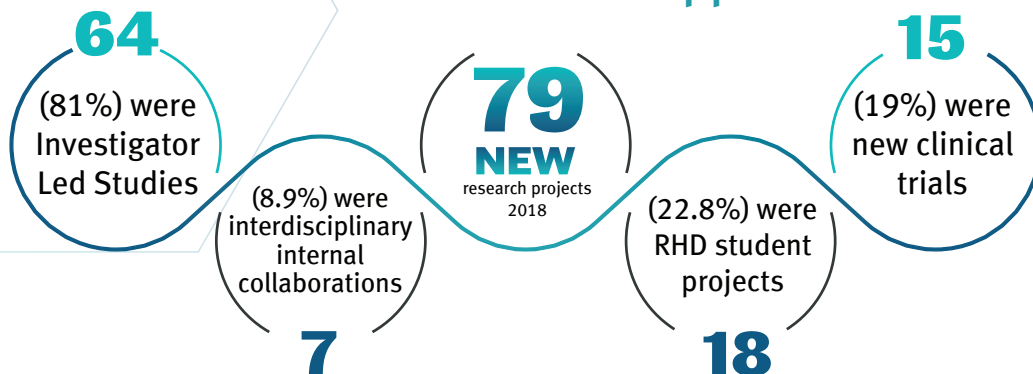
- Increasing staff interest to become involved in research activities.
- A record number of research governance approvals granted, with 79 projects approved compared to 53 projects approved in 2016 and 60 projects approved in 2017.
- Increasing number and diversity of investigator-led projects.
- A steady increase in staff publications and presentations over the last four years, with the greatest growth in 2018.
- A growing network of collaborations, with 91 per cent of approved projects in 2018 being collaborations with universities, hospital and health services and other organisations, compared to 40 per cent of projects in 2017.
- Expanding involvement in state, national and international registries and audits.
- Greater numbers of SCHHS staff undertaking higher degree research, supported by the continued funding from Wishlist RHD grants.
- Commencement of clinical trials in new areas, including ENT Surgery, ICU, stroke rehabilitation and vascular surgery.
- Growing investment in research from Wishlist and the Study, Education, Research Trust Fund (SERTF).
- Expansion of awards to recognise local researchers at the annual Research Symposium, including the Coverdale-Anstey Young Investigator Prize, Best Oral Presentation and Best Poster Award.
- Greater scope of our Research Symposium in 2018, which was the first year the event included input from two SCHI partners—the University of the Sunshine Coast and Griffith University. The event showcased our developing relationships with SCHI partners and emphasised this partnership as a core element in building future sustainable research communities and a strong research culture.

Our first SCHHS Research Report in 2016 recognised the importance of tracking this growth and celebrating milestones. The 2018 SCHHS Research Reports provides us with an opportunity to do this—showcase our progress to our hospital and health service community, current and potential research partners, and the Sunshine Coast and Gympie communities. This report commemorates our collaborative relationships, which will firmly support the continued growth and development of our research capacity and impact.

Research Snapshot 2018

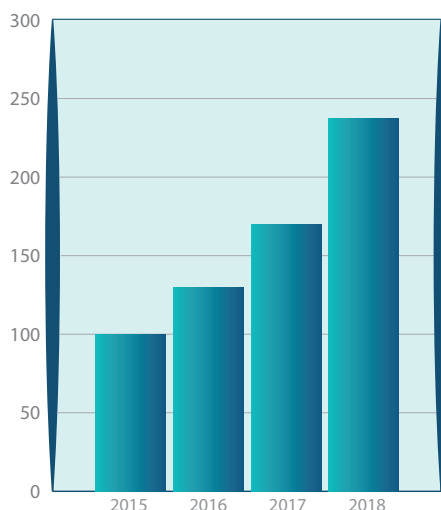
Data in this research snapshot relates to research projects that have received Research Governance Approval from January 2018 to December 2018 inclusive and have been sourced from the Research Governance database, Business Advisor and SCHI library records.

Research Governance Approvals

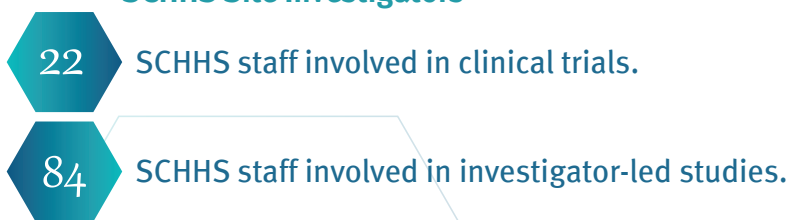


Research projects received Governance approval from Jan to Dec 2018 inclusive

SCHHS Staff Publications 2015 to 2018



SCHHS Site Investigators



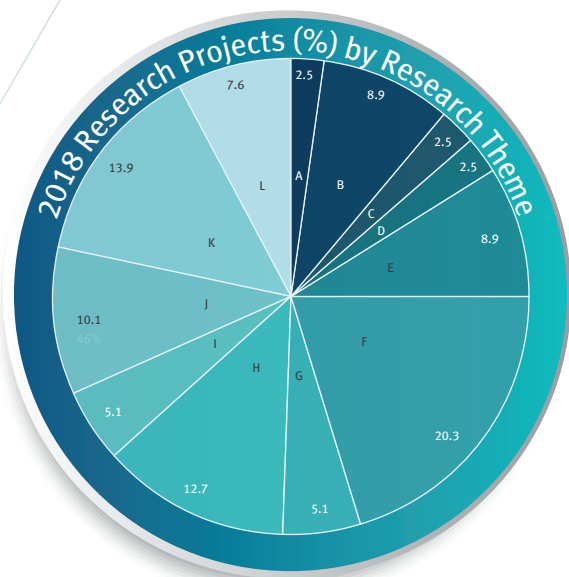
Research partners

Of the 79 research projects that were approved between Jan and Dec 2018, 72 were collaborations with universities and other organisations.

14 collaborations involved universities including USC and Griffith

64 collaborations involved other hospital and health services

2018 Research Projects (%) by Research Theme



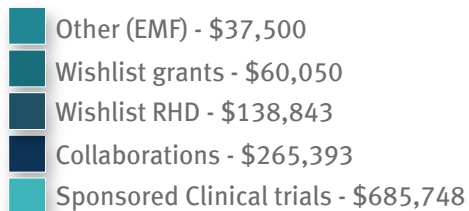
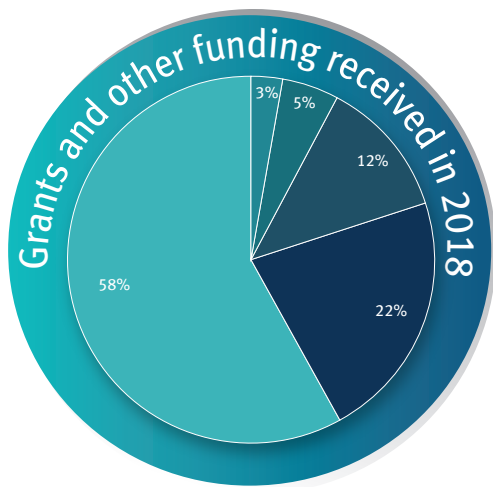
- A Aged care, cognitive impairment and stroke
- B Cardiovascular and renal disease
- C Care of the Surgical patient
- D Chronic disease
- E Clinical trials
- F Health services research
- G Infectious disease
- H Maternal and child health
- I Mental health
- J Oncology
- K Trauma, critical care and emergency care
- L Other

297 research projects active as at 31 December 2018

72 clinical trials active as at 31 December 2018

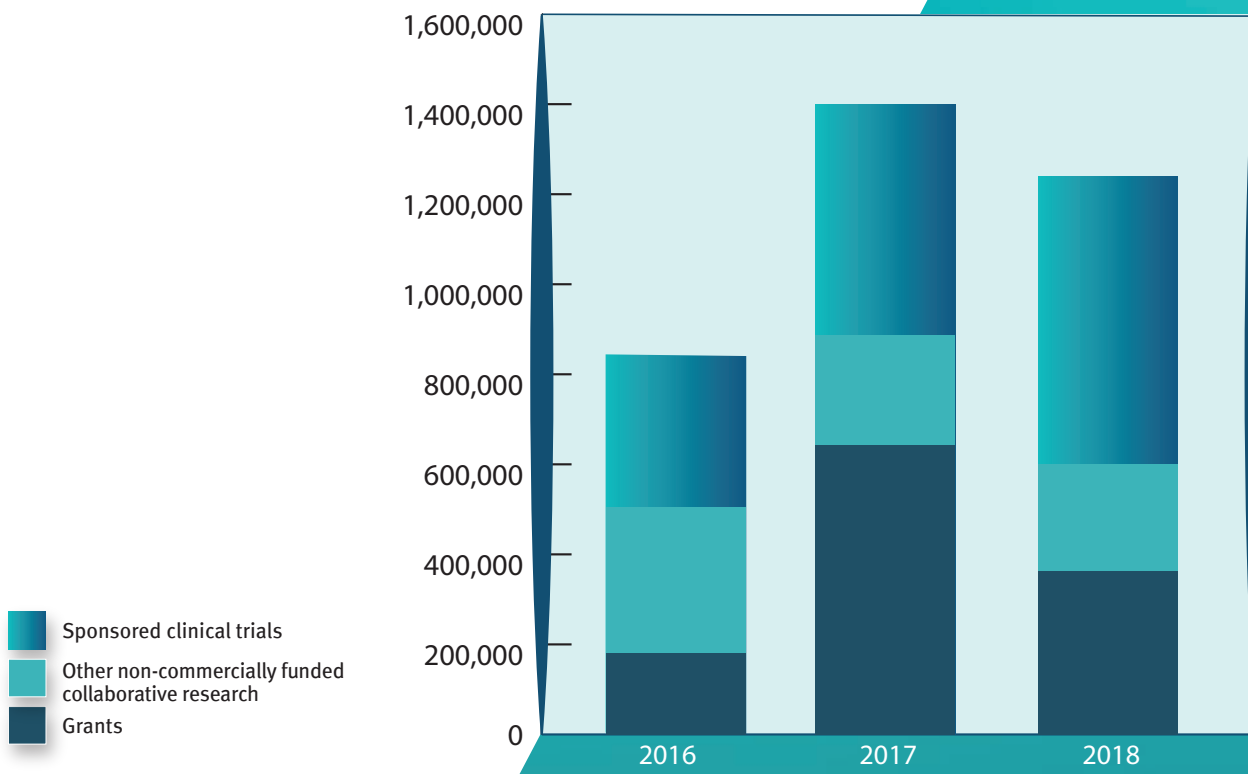
Research snapshot 2018

Grants and other funding received in 2018



In 2018, six SERTF Research Grants were Awarded with the total value of \$169,714

Research revenue (excluding DOH funded research)



Sunshine Coast Hospital and Health Service Research Symposium 2018

The annual SCHHS Research Symposium was celebrated on Thursday 15 November 2018 in the Sunshine Coast Health Institute (SCHI) auditorium. The theme for the 2018 event was Collaboration, Innovation and Knowledge Translation and marked the first year of a collaborative approach to organising and managing the event. The symposium subcommittee was chaired by Professor Fiona Bogossian and consisted of SCHHS staff from all disciplines and academics from both our SCHI partners, TAFE Queensland, University of the Sunshine Coast (USC) and Griffith University. A total of 232 staff and students from SCHHS and SCHI partners attended the Research Symposium.

This year, we were grateful to welcome keynote speaker Professor Robert Harvey from USC and SCHI, who specialises in cell biology, neuroscience and molecular genetics. His presentation on Neuroscience at the Clinical Interface fascinated the audience as he provided examples of how his research translated into practice.

This was the first year a public lecture was included in the annual event. The public lecture was presented by Professor Roland (Roly) Sussex OAM, from the Institute for Teaching and Learning and the School of Languages and Cultures, The University of Queensland. Roly's presentation delighted the audience as he explained how Communication is Translation: How talking about pain connects research and clinical practice.

Throughout the one-day program, SCHHS and SCHI partners showcased their work, with a total of 21 oral presentations and 36 poster presentations. Two panel discussions were also included in the program, each with consumer representatives, focusing on the translation of research into practice.

At the end of the program, awards were presented by Dr Lorraine Ferguson AM, Board Chair, SCHHS. The awards included; Best Oral Presentation, sponsored by USC, Best Poster Award, sponsored by Griffith University and The Coverdale-Anstey Young Investigator Award, sponsored by Associate Professor Steven Coverdale and Associate Professor Chris Anstey. There were also six Study, Education, Research Trust Fund (SERTF) Research grants awarded which were sponsored by SCHHS.

The SCHHS Research Symposium in 2018 was a key event in showcasing the quality research activities being undertaken by our staff and SCHI partners. The symposium not only promoted research to novices as a core practice activity, but provided existing researchers with the opportunity to establish research networks, form new collaborations and build research Communities of Practice (CoP). It also showcased our developing relationships with SCHI partners and emphasised this partnership as a core element in building future sustainable research communities and a strong research culture.

Coverdale-Anstey Young Investigator Prize

The Sunshine Coast Junior Doctor Society (SCJDS) believes research and innovation is an integral component to the training and development of junior medical officers. To encourage young researchers, and those interested in becoming involved in research, the SCJDS developed the Coverdale-Anstey Young Investigator Prize. The monetary prize of \$1000 is open to all medical students, interns, junior doctors, registrars and fellows who are currently employed within Sunshine Coast Hospital and Health Service (SCHHS) or are in a current clinical placement within the region for that calendar year. The prize has been dedicated to the tireless service of Associate Professor Steven Coverdale and Dr Christopher Anstey in the development of research and clinical excellence over the past 30 years in SCHHS. In 2018, Dr Tehara Wickremeratne was the recipient of the Coverdale-Anstey Young Investigator Prize, which was awarded at the SCHHS Research Symposium 2018. Dr Wickremeratne presented her research on the accuracy of ultra-thin gastroscopy compared to conventional gastroscopy for the diagnosis of oesophageal varices in people with cirrhosis. The abstract for her presentation is below.

BACKGROUND: Conventional gastroscopy (CG) is the standard for variceal screening and surveillance in cirrhosis; however, it is invasive, costly, and carries potential risks related to use of sedation. Recently, ultra-thin or small-calibre video endoscopes that can be inserted via the trans-nasal route have been developed for endoscopy. The aim of this systematic review was to determine the diagnostic accuracy of ultra-thin endoscopy (UTE) compared to CG for the diagnosis of OVs in people with cirrhosis.

METHODS: The MEDLINE, EMBASE and Cochrane library databases were searched for studies that evaluated the accuracy of UTE compared to CG in the diagnosis of OVs.

RESULTS: Ten studies with a total of 752 participants were included in this systematic review. The overall prevalence of OVs was 42%. On bivariate modelling, pooled estimates of sensitivity and specificity were 98% (95% CI 94%-99%) and 97% (95% CI 93%-99%) respectively. The positive and negative likelihood ratios were 12.5 (95% CI 6.8-23) and 0.072 (95% CI 0.03-0.15) respectively. In studies reporting inter-observer agreement of UTE interpretation, kappa coefficient for agreement between two observers for presence of OVs ranged from 0.45-0.90. No serious adverse events (AEs) related to UTE were reported in any study.

CONCLUSION: UTE is accurate in the diagnosis of OVs, being both safe and well tolerated. The ability to perform UTE without sedation leads to a more favourable AE profile and better cost-effectiveness. On the basis of these findings Sunshine Coast University Hospital is implementing unsedated ultra-thin gastroscopy for OV surveillance.



Highlights / Outcomes

Physiotherapy

The research activity of SCHHS Physiotherapists has been steadily growing over recent years, and there is significant interest amongst staff to increase involvement in this area.

Our 2018 SCHHS Physiotherapy Forum included a session on Career Pathways into Research with the aim of inspiring and facilitating clinical staff to pursue clinical research.

Research activity has been occurring on several levels, including individuals' PhD programs; SCHHS staff leading state-wide projects; and local services participating in large multi-centre trials.

Specific examples include:

- Implementation of the State-wide Rehabilitation Clinical Network Goal-setting project within the SCUH Rehabilitation Unit. Results are currently being collated and sustainability follow-up will occur into 2019.
- A clinical research project "Reliability and validity study for the assessment of lateral trunk strength—The Modified Obers Test", by SCUH MPSC Physiotherapists (Jesse Pesu and Ian Seels) in conjunction with USC staff (Daniel Mellifont and Dr Mark Sayers).

The highlight of 2018 was Dr Ingrid Rosbergen's completion of her PhD on the topic of "Enriched environment and its impact on activity levels for stroke patients in an Acute Stroke Unit".

Occupational Therapy

HREC Reference number: HREC/14/QRCH/79

Project Title: Impact of an Advanced Allied Health Practitioner Model of Care on patient flow in the Paediatric Outpatient Department.

This study was completed during 2018, with results indicating that the implementation of an advanced allied health practitioner in a rural paediatrics outpatient department has resulted in shorter wait times, quicker diagnosis and reduced the amount of appointments required with a medical specialist. Further analysis of the data has indicated that clinical consistency between AAHP and medical officers was high, patient satisfaction was high and patients were provided with additional therapeutic input and recommendations improving overall service delivery and experience.

A journal article detailing this research is in draft and scheduled to be submitted in 2019.

Psychology

Christopher Martin, Clinical Psychologist, Specialist Palliative Care Service, enrolled in his PhD in 2018, in the preparation phase for Part 1 of the data collection, which will commence soon.

The research involves a two-part study concerned with the role of Acceptance Commitment Therapy (ACT) in improving quality of life in palliative patients. The primary aim for Part 1 of the research is to investigate the relationship between ACT defined 'Psychological Flexibility' and palliative patient outcomes: Quality of Life; Psychological Morbidity; Experience of Physical Pain; and Death Attitudes (Fear, Avoidance and Acceptance). The results from Part 1 will inform the ACT intervention for palliative patients utilised in Part 2 which aims to improve the same palliative patient outcomes.

Medical Imaging

Items complete in 2018

1. Greg Trypis: Promoting and supporting the health and wellbeing of MRS students on clinical placement.

Abstract accepted in 2018 for the 2019 ASMIRT Radiography Conference:

1. Greg Trypis: Radiation in Space—The Final Frontier.
2. Cameron Robertson: A New Beginning: The SCHHS story.
3. Patrick Eastgate: Managing night shift using an evidence-based approach.

Grants/Awards

- SERTF Grant 2018 'Tele-rehabilitation for home-based stroke survivors, a co-design study'. \$19,990 Dr Ingrid Rosbergen, Advanced Practitioner Physiotherapist, Acute Stroke.
- Clinical Excellence Division, State-wide Rehabilitation Clinical Network Goal Setting project 2018. Funding extension for implementation phase \$117,000 for principal project officer and multi-site funding. PPO—Amanda Baker, Advanced Practitioner Physiotherapist, ARCE.
- Successful applicant of a Health Practitioner Research Scheme 2019 Grant. Project titled 'Parent and child experience of transdisciplinary advanced allied health practice: Child and adolescent developmental and behavioural outpatient clinics'. Total awarded: \$29,954.

PhD Students employed at SCHHS

- Ingrid Rosbergen, Advanced Practitioner Physiotherapist, Acute Stroke
- Rebecca Caesar, Advanced Practitioner Physiotherapist, Paediatrics
- Amanda Baker, Advanced Practitioner Physiotherapist, ARCE. Completed a Masters of Medical Research, enrolment in PhD 2019
- Julie Creen, Occupational Therapist, Women's and Families Services
- Robyn Saxon, Professional Lead, Speech Pathology

Presentations by SCHHS Staff

1. "Cardiorespiratory Surgical Practices: latest evidence." Presented at Evening Forum for Cardiorespiratory Physiotherapists across Queensland (PT's and University lecturers to discuss the way forward for the discipline); February 2018: Kate McCleary, Advanced Practitioner Physiotherapist ICU (Chair of QCRPN).
2. "Rehabilitation following surgery for flexor tendon injuries of the hand: a systematic review". Australian Hand Therapy Association National Conference; October 2018: Bhavana Jha, Advanced Physiotherapist Hands.

3. “Reliability and validity study for the assessment of lateral trunk strength—The Modified Obers Test”. State-wide OPSC Conference; SCUH, November 2018: Jesse Pesu, Advanced Physiotherapist MPSC.
4. “The impact of environmental enrichment on timing and nature of patient activities in an acute stroke unit”. Stroke 2018; Sydney, August 2018: Ingrid Rosbergen, Advanced Practitioner Physiotherapist, Acute Stroke (RS Grimley, KS Hayward, SG Brauer).
5. “Environmental Enrichment as an adjunctive intervention in stroke rehabilitation.” ANZSGM Qld Division, Noosa, September 2018, Ingrid Rosbergen, Advanced Practitioner Physiotherapist, Acute Stroke.
6. “Highlighting gaps in Queensland Rehabilitation Services (BEEPRS)” CRE Stroke Rehabilitation Workshop Day, International Convention Centre, Sydney, August 2018: Ingrid Rosbergen, Advanced Practitioner Physiotherapist, Acute Stroke (R Grimley, G Cadigan, T Green, S Kuys, E Horton, L Gustafsson, D Cadilhac).
7. Radiographers presented several case studies at each 2018 Monthly Medical Imaging Education evenings—accepted ASMIRT CPD events.

Research priorities/plans for 2019

We will continue to facilitate the growth of research within Physiotherapy services, in collaboration with IQRE, relevant Service groups and our University partners. Specific examples planned for 2019 include:

- Involvement in large multicentre trials “AVERT dose” (an international phase 3 RCT); “TEAM (Treatment of invasively ventilated adults with Early Activity and Mobilisation: three-year international study)”; “PARK-ICU: Point-prevalence PICU study” (national early rehabilitation point prevalence study of paediatric ICU practices).
REACH: Randomised trial of Rehabilitation Very Early in Congenital Hemiplegia, GAME Triggering Neuroplasticity to Improve Movement | A Clinical Trial for Infants with Cerebral Palsy, QEIDN-CP (Queensland Early Intervention and Detection Network—Cerebral Palsy).
- Ongoing PhD studies of several staff members.
PREMTIME (Prediction of Mild Developmental Delay and Typical Outcome in at risk infants). Recruitment for this project was finalised in December 2018. Outcome assessments will continue until December 2020. Planned publications for 2019 include a systematic review and interim outcome paper. Rebecca Caesar, Advanced Practitioner Physiotherapist, Paediatrics, PhD in progress.

Presentations:

1. “Developing a successful collaborative multi-disciplinary team in a newly established mixed adult and Paediatric Critical Care Unit—from the allied health perspective.” Submission of research poster abstract to ANZICS, Kate McCleary, Advanced Practitioner Physiotherapist ICU.
 2. “Utilising a simulation-based teaching strategy in physiotherapy to develop a new Paediatric Critical Care service in a developing tertiary health service.” Submission of research poster abstract to ANZICS, Kate McCleary, Advanced Practitioner Physiotherapist ICU.
- Clinical research projects: progress to reliability and validity studies for publication of “Reliability and validity study for the assessment of lateral trunk strength—The Modified Obers Test” by SCUH MPSC Physiotherapists (Jesse Pesu and Ian Seels) in conjunction with USC staff (Daniel Mellifont and Dr Mark Sayers).
 - Transdisciplinary Allied Health Practice in Paediatrics. Australia Occupational Therapy Association National Conference, Sydney, July 2019 (abstract accepted for extended presentation).

- Impact of transdisciplinary advanced allied health practitioners within paediatric neurodevelopmental and behavioural clinics, in a regional public hospital and health service outpatient department. National Allied Health Conference, Brisbane, August 2019 (abstract accepted for lightning presentation).
- Impact of advanced allied health practitioners on patient flow in a regional paediatric outpatient department. In draft review. Intention to submit to the Journal of Child Neurology and Disability in 2019.
- Commenced recruitment and data collection for study: HREC Reference number HREC/18/QRCH/79. Project title: Transdisciplinary Advanced Allied Health Practice: Parental Engagement and Motivation in Family-centred Consultative Therapy.
- A multi-site observational point prevalence study: Nutritional Outcomes of patients Undergoing Resection for upper gastrointestinal cancer in Australian hospitals.
 - * Site Coordinator/Principal Investigator: Georgina Lockwood (Senior Surgical Dietitian).
 - * Time commitment: Target is 10 patients across 4 months. Data collection encompasses routinely collected clinical information. Approximately 30 minutes per patient including data entry into electronic database (Redcap).

Benefits to participation:

- * First upper GI specific point prevalence in Australia.
- * Inclusion of participating sites in presentations and publications.
- * Upskilling of staff.
- * Involvement in collaborative research.
- * Contribution to possible development of upper GI cancer nutrition registry.

Highlights /Outcomes

The 2018 departmental research highlights include local investigator led projects, the state-wide implementation of a locally developed obstetric audit database, involvement in the multinational Perioperative Administration of Dexamethasone and Infection (PADDI) Trial and the QFirst Project, led by Dr Alex Grosso, which was awarded top innovation prize at the Health Roundtable. Additionally, the department has continued to support its first PhD student.

Investigator led projects include Just in Time Training, a pilot study led by Dr Nellie Dick, examining the potential for pre-procedural simulation teaching to improve the speed and accuracy of registrar task performance, specifically nasal intubation. Registrar led projects resulted in six systematic reviews published in peer reviewed journals.

The Anaesthesia Benchmarking System in Obstetrics, developed by Dr Guy Godsall, began a state-wide rollout. This is a data collection tool aiming to achieve clinical practice improvement babies by monitoring and measuring performance against agreed standards to identify process deficiencies and reduce clinical risk.

The Quality Focused Interventions for the Relief of Symptoms Team (QFIRST) project is a multidisciplinary model of care project led by Dr Alex Grosso. The project aims to improve the management of high risk patients by providing seamless continuity of care from decision to intervention that aligns with the patient's goals for recovery.

Site Investigator, Dr Nicole Beauchamp, has successfully led the department to achieve recruitment targets for the PADDI Trial. This trial is coordinated by the ANZCA Clinical Trials Network and our involvement has raised the research profile of our department within Australia and New Zealand.

Grants/Awards

Health Round Table Patient Safety Improvement Group Grant. Dr Alex Grosso and Ms Ailsa McKutterick-Gillett. QFIRST Project.

PhD Students employed at SCHHS

Dr Rochelle Ryan

Presentations by SCHHS Staff

Oral Presentations:

Grosso A, McKutterick-Gillett A, QFIRST (Quality Focused Interventions for the Relief of Symptoms Team) Project. Statewide Anaesthesia and Perioperative Care Clinical Network (SWAPnet) Forum 2018. Brisbane Australia.

Godsall G. The role of Quality Assurance/Quality Improvement in Anaesthesia. ANZCA Obstetric Anaesthesia Special Interest Group Meeting 2018. Sydney, Australia.

Poster presentations:

1. White L, Vlok R, Melhuish T. (October, 2018). Ultrasound guided radial artery cannulation is a superior technique for expert clinicians. ANZICS/ACCCN ASM 2018, At Adelaide, SA, Australia.
2. White L, Vlok R, & Hodge, Anthony & Murray, Nathan & Melhuish, Thomas. (October, 2018). The safety of buprenorphine compared to morphine in acute pain: A systematic review and meta-analysis. ASA NSC 2018, At Adelaide, SA, Australia.

Research priorities/plans for 2019

In 2019, the department will prioritise quality improvement projects to optimise the care and reduce risk for our perioperative patients. We will be founding contributors to the Digital Anaesthesia and Pain Array (DAPA) Dashboard, used to extract and display patient centred clinical data from the integrated electronic medical record (ieMR) for benchmarking and driving quality improvement. In tandem with DAPA, the department plans to develop a QI framework that will smooth the journey from the formulation of ideas through development and implementation to publication.

Local investigator led projects will include the analysis of perioperative antibiotic pharmacokinetics and dose optimisation in colorectal surgery patients which will be conducted in partnership with the Department of surgery and the Centre for Clinical Excellence, The University of Queensland. This will contribute to the work of Dr Rochelle Ryan's PhD thesis.

The department continues to support registrar driven research and our next generation of clinician researchers. The department supports the Queensland Anaesthetic Registrars Research Collaborative and the departments registrars will drive our participation in the Collaborative's first multisite trial. While the department of anaesthesia will continue engagement with local and national trials, our focus will be on strengthening our focus on QI and expanding and leading anaesthesia QI research towards 2019 and beyond.

Highlights /Outcomes

Greaves/Stanton

Dr Michael Nam, Advanced Trainee in Cardiology and PhD student, was one of four finalists in the Arthur Weyman Young Investigator of the Year 2018 at the American Society of Echocardiography, held in Nashville, Tennessee.

Tony Stanton

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

- CAUGHT-CAD: investigating the use of CT calcium scoring for CVS risk assessment.
- SYNERGY II: investigating the use pre and post-biotics on myocardial function in chronic kidney disease.
- CRT-OPT: investigating the use of personalised pacemaker setting in chronic heart failure.

Kim Greaves

Ongoing:

1. GP Data Linkage and Routine Dynamic Consent for Clinical Trials Access Project—proof of concept study to test feasibility of patients to link primary care data with secondary care data held in SCHHS. Also, to test appetite of patients to consent for recall to discuss potential participation in clinical trials. This study has achieved its outcomes and is being written up.
2. Screening for absolute cardiovascular disease risk in the community:
 1. examining barriers and enablers to GP uptake;
 2. feasibility and effectiveness of nurse-led screening with point of care testing for ACVD risk in general practice;
 3. exploration of the potential use of GP software programs (PENCS systems) to monitor surveillance of ACVD screening uptake and implementation.
3. Survey of GPs on characteristics, barriers and enablers to undertaking Total Cardiovascular Risk Assessments.
4. Absolute cardiovascular disease risk scores and appropriateness of treatment of patients at time of presentation with ACS to secondary care.

Grants/Awards

Tony Stanton [A]

Study, Education, Research Trust Fund (SERTF) Sunshine Coast HHS. Synbiotics - Easing Renal Failure by Improving Gut Microbiology II [SYNERGY II].

Kim Greaves [A], Tony Stanton [B]

Heart Foundation Vanguard Grant 2018 [102253]. A GP software system to monitor cardiovascular disease risk and improve treatment.

PhD Students Supervised by SCHHS Staff

1. Kim Greaves Co-supervisor with A/Prof Mathew Summers (principle supervisor): Kayla Stefanidis PhD (USC). Jan 2016-Dec 2018. University of the Sunshine Coast. Early predictors of cognitive impairment in patients with vascular disease. SCHHS, USC.
2. Kim Greaves Co-supervisor with A/Prof Chris Askew (principle supervisor): Annelise Meneses (Phd USC): Jan 2015-Dec 2018. University of the Sunshine Coast. Effects of exercise on skeletal muscle blood flow in patients with peripheral vascular disease. SCHHS, USC
3. Kim Greaves Principal Supervisor, Tony Stanton co-supervisor, to Dr Michael Nam (Advanced trainee in cardiology) (Jan 2015-ongoing) for PhD registered with the University of Queensland. The effects of hyperinsulinemia on myocardial blood flow; underway. SCHHS, USC, University of Queensland.
4. Kim Greaves and Tony Stanton Co-supervisors with A/Prof Chris Askew (principle supervisor): Grace Young (Phd USC): Jan 2018-Dec 2021. University of the Sunshine Coast. Comparison of skeletal muscle blood flow with myocardial blood flow, in patients with unobstructed coronary arteries. SCHHS, USC.

PhD Students employed at SCHHS

None enrolled for 2018.

Medical Students:

1. Anita Smith (GP Barriers and Enablers Survey on Use of ACVD Risk Scoring).
2. Robertson Mckenzie (Infective endocarditis in the Sunshine Coast Hospital and Health Service, a 10-year prospective and retrospective analysis).
3. David Neesan (Infective endocarditis in the Sunshine Coast Hospital and Health Service, a 10-year prospective and retrospective analysis).

Junior Doctors:

1. Dr Kuhan Kanarajah (GP Barriers and Enablers Survey on Use ACVD Risk Scoring).
2. Dr Jeng Huang Lam (Infective endocarditis in the Sunshine Coast Hospital and Health Service, a 10-year prospective and retrospective analysis).
3. Dr Brent Nelson (Infective endocarditis in the Sunshine Coast Hospital and Health Service, a 10-year prospective and retrospective analysis).
4. Dr Alvin Quah (advanced trainee)
 1. The effect of hyperinsulemic euglycemia on myocardial blood flow and perfusion defect size post STEMI.
 2. Microvascular skeletal muscle limb flow in patients with CAD and diabetes.
 3. Epicardial fat and relationship to microvascular flow.
5. Dr Amy Bailey (advanced trainee): The Prevalence of Untreated High ACVD Risk in Patients Presenting with ACS to SCHHS.

Presentations by SCHHS Staff

Tony Stanton

Plenary speaker at South Australian Health and Medical Research Institute Cardiovascular and Diabetes Day 2018.

Invited speaker at Cardiac Society of Australia and New Zealand Annual Meeting.

Kim Greaves

Australian Primary Health Care Nurses Association, Brisbane, 2018.

Research priorities/plans for 2019

1. Continue to complete projects as listed above.
2. Obtain funding for pilot study for GP Data Linkage and ReDy Consent Projects to test on Sunshine Coast Region.
3. 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.
4. Support local investigators in their access to health service patients for research.

Highlights /Outcomes

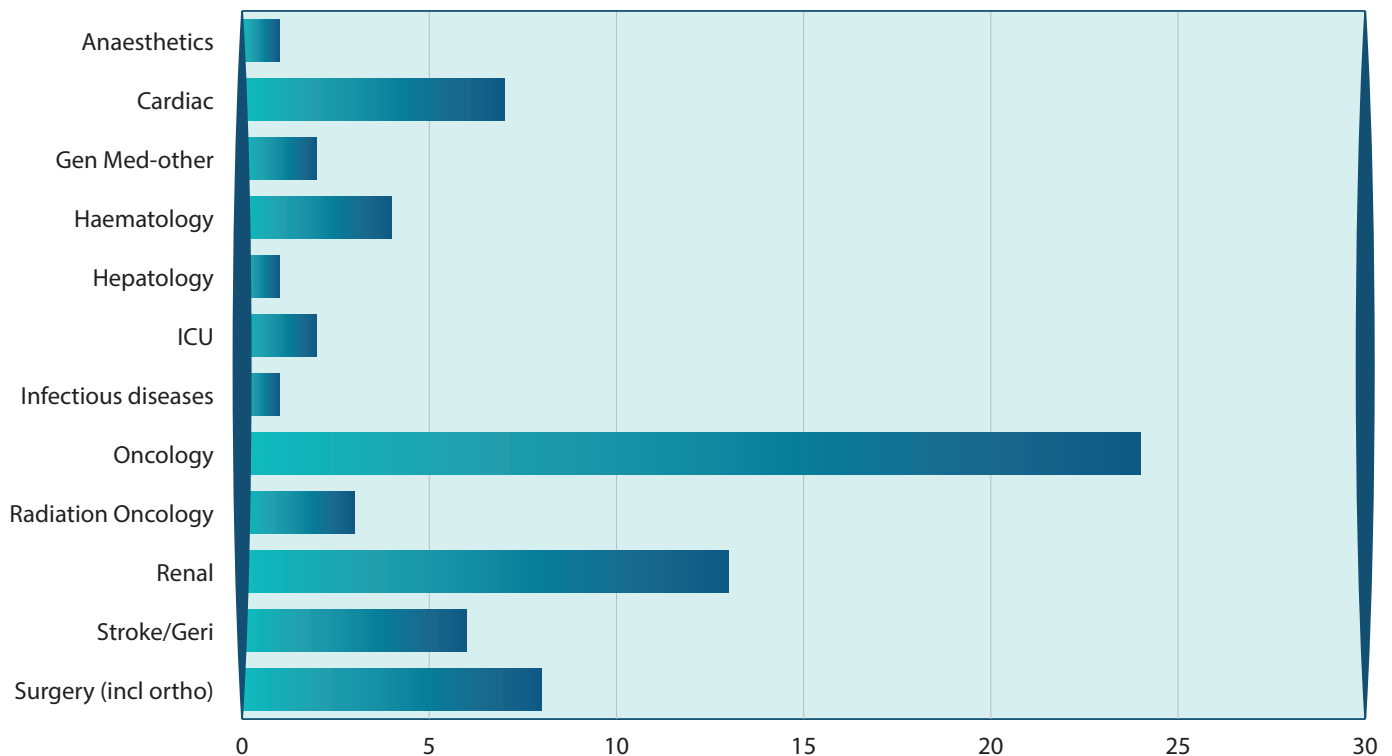
2018 was a busy year with the expansion of services provided in the new clinical trials unit on Level 2 at SCUH. There were some newcomers to the trials scene with two prospective Parkinson's Disease trials and a dermatology trial. Hepatology have had exciting opportunities to participate in new trials, some of which will be recruiting early in 2019. One of these clinical trials will be in the treatment of Hepatitis B.

A challenge in 2018 was the introduction of the new state-wide Ethical Review Management system (ERM). This has taken the ethics and governance applications to an electronic platform for submissions. Although this took quite some time to adjust to, it has revolutionised how we submit applications.

There has been a substantial amount of planning for the introduction of ieMR and Power Trials in preparation for go live in 2019. This will change the way that clinical trials are coordinated from screening right through to the patient visits.

As always, the stroke, cardiac and renal teams have continued to participate in clinical trials and attract invitations to SCHHS to participate in future trials. These teams are continuing to provide patients with new treatment options and better patient outcomes.

Number of Clinical Trials active during 2018 (72)



Highlights /Outcomes

Dermatology at SCUH has several areas of research at present:

1. We have joined ONTRANS—oral nicotinamide in transplant patients—a study run by Prof Diona Damian from University of NSW to assess safety and efficacy of B3 supplementation for skin cancer prevention in transplant patients. Dr Harrison Edwards is involved with this project.
2. Associate Professor Schaidler starts work with us in August 2019—he is a well known melanoma researcher and part of the ACEMID consortium with approval for installation of VECTRA 3D body photography for monitoring of patients with melanoma and dysplastic naevi. This will likely commence in 2020.
3. Our interns and registrars have presented/published several interesting case from our patient cohort.
Posters –“ Anti MDA5 Dermatomyositis:an emerging entity “– by Dr Lachlan Moore and “Dermoscopy, pathology and management of basal cell carcinoma and bullous pemphigoid in a patient with dramatic minocycline pigmentation” – Dr Holly Sexton.
4. We are part of Prof Michael Kimlin’s MelD research collaboration – vitamin D levels in newly diagnosed melanoma patients.
5. Commencement and audit of teledermatology store and forward service for non-urgent/cat 2 dermatology referrals.

Presentations by SCHHS Staff

1. In service teaching wet wraps for treatment of dermatitis—Dr Alex Tedman.
2. Grand Rounds—use of black salve/cancema, Sweets syndrome—Dr Alex Tedman and Dr My Co Tran.

Research priorities/plans for 2019

1. Continued participation in ONTRANS trial.
2. Commencement of teledermatology store and forward service for non urgent/cat 2 dermatology referrals with result to be presented at RURAL DERMATOLOGY MEETING Orange NSW September 2019.

Highlights /Outcomes

2018 was a busy year for the SCHHS Emergency Department Research Unit (EDRU). There were numerous projects that completed data collection—LADDERS (a collaboration with PAH and QUT) published its first paper with a second currently under review, Shift Work study (EDRU's first nursing-led project) data collection is complete and undergoing statistical analysis, WES-10 (a collaboration with Griffith University, Gold Coast University Hospital and the University of the Sunshine Coast) published a paper with another two under review, and the headache project (Collaboration through Queensland Emergency Research Collaborative) has published several manuscripts this last year. The Geriatric Emergency Transfusion project (GeEmTx) had a highly successful presentation at the International Society of Blood Transfusion meeting in Toronto and a manuscript of the presentation is undergoing editorial review, the Geriatric Emergency Department Initiative (GEDI) continued their highly successful project with several publications. We also completed the data collection for the ARISE Fluids Observational Study.

We were also able to establish a permanent research nurse position which will allow the EDRU to cover three campuses (SCUH, NGH, Gympie) and the 130,000 presentations seen each year by the Emergency Departments.

PhD Students employed at SCHHS

1. Melanie Brown, Registered Nurse
2. Dr Elizabeth Marsden, Staff Specialist (USC)
3. Andrea Taylor, Clinical Nurse Consultant, Geriatric Emergency Department Intervention (USC)
4. Dr Ogilvie Thom, Senior Staff Specialist (JCU).

Research priorities/plans for 2019

The GEDI Project will continue to publish their papers and there are manuscripts under review from LADDERS, SIESTA, WES-10 and GeEmTx with ED staff as named authors. The EDRU is embarking on two exciting new collaborations in 2019. We are looking at projects to work together with Paramedic Science at University of the Sunshine Coast which should present a vast array of opportunities. Also, we are working with James Cook University examining the science behind the resuscitation/treatment of drowning victims. Given the publicity these cases attract in the media, as well as the fact that approximately 500,000 people drown each year across the globe, there is a surprising lack of evidence about the best way to treat these patients. We are in a unique position at SCHHS with the second highest number of drowning presentations in Australia and three abstracts have already been accepted to the World Congress on Drowning Prevention in October 2019.



SCIENCE

MEDICA

HEALTH
CARE

Culture and vision:

The Hepatology Department of SCHHS comprises two full time hepatologists supported by 2.5 Full Time Equivalent (FTE) nurses and one advanced trainee. The unit was strengthened by the arrival of James O'Beirne in December 2016 with the specific remit of developing a research focus within the department. The development of a successful research program within a busy clinical department depends on three key factors:

1. Development of a research culture within the whole team from medical student to SMO where every member is able to contribute and benefit from involvement in research.
2. Involvement in commercial clinical trials in order to:
 - a. Benefit patients by exposure to new treatments/technology.
 - b. Accrual of surplus funding to provide seed money for investigator-led protocols to generate pilot data for subsequent grant applications.
 - c. Raise the profile of SCHHS at local, national and international level to engender future collaborations and a reputation for high quality research.
3. Collaboration:
 - a. Collaboration is fundamental to success. We have a small population and limited infrastructure at present. Collaboration with local university partners, national academic centres and research networks is key.

Collaborations:

Prof Elizabeth Powell (PA Hospital) and A/Prof Patricia Valery (QMIR Berghofer). Non-Alcoholic Fatty Liver Disease and cirrhosis.

This collaboration has led to two submitted manuscripts, two abstracts selected for the European Association for Study of the Liver meeting 2019 and a NHMRC grant application (Prof O'Beirne, Powell and Valery as PIs).

A/Prof Chris Askew (USC). Collaboration exploring the effects of high fat meals on vascular function in patients with NAFLD. Grant application for pilot study successful.

Dr David Brain/ Prof Adrian Barnett (QUT). Ongoing collaboration examining the cost-effectiveness of risk stratification of chronic liver diseases in community settings.

Prof Golo Ahlensteil (University of Sydney). Registry study on the use of TIPS in Australia.

Prof Gregory Dore (Kirby Institute NSW). Reach-C: A multi-centre evaluation of real world outcomes of HCV treatment in Australia (Steering Committee—Prof James O'Beirne).

Grants:

1. 2018 Inflamm: Determining the impact of a high fat meal on markers of vascular function in patients with non-alcoholic fatty liver disease—\$5000.
2. 2018 NFTEP: Evaluation of ultrathin unsedated endoscopy for variceal surveillance—\$250,000.

Ongoing research projects:

Sunshine Coast Cirrhosis Research Group: This is a group of junior doctors and medical students who have developed databases to examine the following research questions:

1. Quality metrics analysis in variceal bleeding in SCHHS.
Lead Investigator Dr Melissa Day.
2. Is MELD corrected for 'true' cirrhosis GFR a better prognostic variable?
Lead Investigator Dr Sakinha Zulkifli.
3. Cost effectiveness of TIPS insertion in a regional hepatology centre.
Lead Investigator Dr Tehara Wickremeratne.

Investigator led projects:

1. Utility of outpatient based unsedated endoscopy for variceal surveillance.
Lead Investigator Prof James O'Beirne.
2. Cost effectiveness of community-based liver disease risk stratification.
Lead Investigators Prof James O'Beirne, Dr David Brain, Dr Jon Mitchell.

Commercial Clinical trials

1. ARENA APD334-010- A phase 2 study of Etrasimod in PBC. 2nd centre in Australia to enrol.
2. VIR-2218 - A phase 1/2 Randomised trial of siRNA in Hepatitis B infection. SIV February 7th.
Recruiting 14/2/19.

Future planning

The clinical workload of the Hepatology service continues to increase. We have recently taken on responsibility for hepatology care for the Wide Bay area and thus there is increased pressure on the existing FTE. In order to continue our progress towards delivering a world class clinical and academic Hepatology Centre there will need to be expansion of clinical staff, protection of extant academic time and support for candidates to undertake higher degrees. Over the next one to two years, we want to increase collaboration with university partners leading to basic science projects which our junior clinical staff can become involved in.

Highlights /Outcomes

The Infectious Diseases Service at the SCHHS integrates research and clinical practice across professional streams, using innovative strategies to reduce the burden of infection and optimise infection management and antimicrobial use across SCHHS. The underlying premise in this department is that integrating research and clinical practice results in improved outcomes for patients. Examples of this approach include the SCHHS antimicrobial stewardship service (directed by Dr Kathryn Wilks), which is recognised nationally as a leading developer of new AMS strategies based on social influences and structures within hospitals. This approach has resulted from a research programme led by A/Prof Jennifer Broom in collaboration with a wide range of university and hospital partner organisations, which has produced novel insights into the drivers of antimicrobial use, recognised nationally and internationally (and recently heavily informed the World Health Organisations' 2019 AMR Policy Brief).

This research program has attracted funding of >\$1.2 million and has resulted in important collaborations both within Queensland and interstate. Research integration into practice occurs across professional streams and different training levels in the Infectious Disease Service—Nursing staff from our Vascular Access Surveillance and Education team have been successful in implementing and publishing a recent quality improvement project which showed a reduction in the number emergency inserted intravenous cannulae in situ for more than the recommended dwell time.

The Infectious Diseases Advanced Trainee (Adam Stewart) in 2018 was awarded a Wishlist grant. The Infectious Diseases service has been represented with invited speaker presentations at multiple national conferences (including, but not limited to, the ACICP annual scientific meeting, Australian Veterinary Association meeting and Society of Hospital Pharmacists Annual conference), and has had a significant output of peer reviewed publications in high impact journals, including in journals dedicated to other specialties such as respiratory medicine and surgery, indicating the broad impact of research outputs.

Grants/Awards

- Broom J. ARC Linkage Navigating an uncertain antimicrobial future: A sociological study. \$418 673
- Broom J. The (social) science of implementation: A study of transitioning knowledge-to-practice in Infectious Diseases. SERTF Research Grant. \$50 000
- Stewart A. 2018 Novice Researcher Wishlist Grant. \$10,000
- Wilks K. 2018 Study, Education and Research Committee: Guide Trial. \$25 956.50

HDR Students Supervised by SCHHS Staff

Ashley McCarron, Masters of Pharmacy, The University of Queensland. Co-supervised by Jennifer Broom. The influence of an Electronic Medical Record on hospital antimicrobial prescribing: A qualitative study of medical prescribers' perspectives.

Presentations by SCHHS Staff

1. Alexandra Melon, Keat Choong, Shradha Subedi. Outcomes in a patient-guided outpatient IV antibiotic program at the Sunshine Coast Hospital and Health Service (SCHHS). Poster Abstract. 11th Annual Hospital in the Home ASM 2018, Brisbane
2. Kathryn Wilks. Rapid Influenza Diagnostics—Experiences in reducing nosocomial influenza. Asia-Pacific Congress of Clinical Microbiology and Infection 2018, Hong Kong
3. Kathryn Wilks. Bridging careers—One health. Geoff Simmons Lecture, AVA, Brisbane 2018.
4. Jennifer Broom. How to implement AMS strategies through behaviour change. Society of Hospital Pharmacists Annual conference. Brisbane, 2018.
5. Jennifer Broom. Antibiotic prescribing - what influences prescribing behaviour and practices. Australasian College of Infection Control Practitioners ASM. Brisbane 2018.

Research priorities/plans for 2019

In 2019 the Infectious Diseases Service will continue to expand on current research projects, including a new ARC Linkage grant proposal in progress between SCHHS (Jennifer Broom) and multiple partner organisations. The translation of research findings into clinical interventions to optimise antimicrobial use will continue (and current multi-centre study is underway testing an intervention to optimise surgical antibiotic prophylaxis prescribing in three Queensland Hospitals—QSAP study). Research will continue to be prioritised across different levels of training and professional streams. A prioritisation on research as a mechanism for health systems and infection management improvement will be continued.

Highlights /Outcomes

2018 saw the continued growth and development of our research department. In January, the ADRENAL Trial results were published aiming to once and for all answer the question of adjunctive steroids in septic shock. This was a Queensland-born, landmark trial we had the privilege of recruiting 122 patients into. In May, we held the 2nd Annual Queensland Critical Care Research Forum (QCCRF), designed to build collaboration and strengthen critical care research in Queensland (QCCRN). The ANZICS Intensive Care Research Coordinators Interest Group (IRCIG) used Sunshine Coast University Hospital ICU as their meeting ground for their inaugural meeting, bringing together research coordinators from around Queensland.

2018 also saw the commencement of two PhD candidates for ICU; A/Prof Chris Anstey and ICU Pharmacist Paul Williams, and the completion of Master Degrees for three ICU nurses; Sonja Phelan (Master Intensive Care Nursing), Courtney Easton (Master Clinical Education, Nursing) and Lauren Murray (Master Science in Medicine, Clinical Epidemiology). The knowledge and experience higher degrees offer our ICU as far as building research capacity goes cannot be underestimated.

National and international collaborative research remained a priority with the commencement of TAME Cardiac Arrest trial, TEAM early mobilisation and continued recruitment in STARRT-AKI. We completed recruitment of SPICE III RCT. Local investigator driven research continued to grow with 13 projects commenced, continued or completed during 2018 including a new multi-centre locally-led study UNA UIX.

The opening of our Paediatric Critical Care Unit (PCCU) saw us expand our research department to include paediatric research, an area we look forward to developing in 2019. This year saw Journal Club prioritised, with a multidisciplinary approach across both ICU and PCCU. Whilst enabling staff to keep up with current literature, journal club also creates a forum for teaching research methodology, clinical epidemiology and statistics, and gaining critical appraisal skills. Research translation can be expedited through journal club discussions informing local guideline development.

Grants/Awards

Dr John Moore awarded \$20,000 from Intensive Care Foundation Grant toward Plasma free cortisol and aldosterone concentration in critically ill patients with septic shock.

Paul Williams awarded \$46,000 from Pathology Queensland and Study, Education, Research Trust fund (SERTF) toward GUIDANCE Trial.

PhD Students employed at SCHHS

1. A/Prof Chris Anstey, Director ICU
2. Paul Williams, Pharmacist

Presentations by SCHHS Staff

Williams, P., Roberts, J. Beall, G. Antimicrobial dosing in Critical Care: a pragmatic dosing guideline. Poster accepted for Medicines Management 2018—SHPA National Conference, November 2018.

Lister, P. N. Shindo. Presentation and Abstract: Update and consolidation of WHO Standard Guideline for the clinical management of severe Influenza Infections. The 9th Congress of the World Federation of Paediatric Intensive and Critical Care Societies (WFPICCS) Singapore from 9-13 June 2018.

Lister, P. D. Dixit, J. Diaz, N. Shindo. Presentation and Abstract: WHO Critical Care Training for the management of Severe Acute Respiratory Infection (SARI) deployed during outbreaks in Fiji August 2016 and Maldives April 2017. The 9th Congress of the World Federation of Paediatric Intensive and Critical Care Societies (WFPICCS) Singapore from 9-13 June 2018.

Lister, P., Gordon, M, Morgan, L. Presentation and Abstract: The importance of simulation to test the adequacy of systems, processes and patient safety measures in a new paediatric critical care unit. The 9th Congress of the World Federation of Paediatric Intensive and Critical Care Societies (WFPICCS) Singapore from 9-13 June 2018.

Moore, J. Presentation: Allostasis and Sedation Practices in Intensive Care Evaluation. 20th Annual Meeting on Clinical Trials in Intensive Care, Noosa Queensland. March 2018.

Research priorities/plans for 2019

The research department has a formal structure for research under the banner of the Sunshine Coast Institute for Critical Care Research (SCICCR). One of our key 2019 goals is to identify key areas of audit that may lead on to investigator driven research. Initially themed/bracketed around our current collaborative study topics, such as the soon to commence long term REMAP-CAP pneumonia study. We will encourage vertical research teams to complete these rather than put the responsibility on one investigator.

We will continue our national and international collaborative research with the commencement of two large randomised controlled trials in collaboration with Monash University and the Canadian Critical Care Research Group.

We are soon to commence two PhD Students research projects within the ICU and support numerous College of Intensive Care Medicine (CICM) Trainee research projects. Under the leadership of Dr Paula Lister 2019 will see us commence and build paediatric critical care research in collaboration with the Paediatric Critical Care Research group, Queensland Children's Hospital.

The principle goals of SCICCR within the ICU will continue to be:

- Providing an environment capable of designing, conducting, and participating in local, national and international research.
- Facilitating and promoting investigator-initiated, collaborative clinical research.
- Advancing the SCUH SCICCR as the lead site for national and internationally conducted studies.
- Providing a teaching environment advancing the education and understanding of research methods.
- Promoting excellence in intensive care research that focuses on improving ICU patient care at the SCUH.

Highlights /Outcomes

Mental Health and Addiction Services (MHAS) research activities commenced in 2018 include the following:

1. The All of Us Study—Operational staff's experience of performing cardiopulmonary resuscitation in acute care settings (Chris Dawber).
2. Evaluating reflective practices for nursing staff in an acute care hospital setting (Chris Dawber and Prudence Millear).

In progress

Health-e-minds, participatory and personalised mHealth platform to encourage and support healthy living behaviours for people with mental illness (Dr Stuart Polkinghorne).

Pending publications and research ethics approval from our Community Care Unit on current physical health and wellbeing projects (Dr Linda Barron -Clinical Lead).

Research priorities/plans for 2019

The continued focus of Mental Health and Addiction Services (MHAS) in 2018 has been on consolidating a governance structure to approve and monitor all MHAS research projects. A local MHAS Research Committee has been established to support this focus. Next steps include the development of a strategic plan for MHAS research to underpin the continued development of research capabilities of our service and staff to deliver improved services for our consumers and their families/carers. Current research activities include many innovative and clinically relevant projects with oversight from this governance committee as cited above.

Highlights/Outcomes

The neurosciences and rehabilitation groups have a multidisciplinary research program with a focus on themes of acute stroke care, rehabilitation and recovery after stroke, and health services research aiming to improve efficiency and effectiveness of systems of care in these areas. There is a very strong allied health research involvement with active research within physiotherapy, occupational therapy, and dietetics. Major projects in 2018 included completion of the Sunshine Coast led multi-site study: Building Efficient and Effective Pathways to and through Rehabilitation after Stroke (BEEPRS) and initiation of a series of studies of tele-rehabilitation into patients' homes after acute stroke.

Involvement in multi-centre clinical trials continues with trials in reperfusion in acute ischaemic stroke, secondary prevention, and stroke rehabilitation.

Congratulations to Dr Ingrid Rosbergen for successful completion of her PhD and recognition as a Future Leader within the NHMRC Centre of Excellence 'Stroke Rehabilitation and Brain Recovery'. Also, to Alana Campbell, for successful confirmation as PhD candidate studying: "Mapping the Natural Recovery of Cognition in Acute Stroke Using Serial Computerized Cognitive Assessment to Inform Discharge Planning."

Grants/Awards

Amanda Baker—Completed a Masters of Medical Research.

PhD awarded Dr Ingrid Rosbergen.

SERTF Grant 2018 'Telerehabilitation for home-based stroke survivors, a co-design study.

\$19 990 Dr Ingrid Rosbergen.

Clinical Excellence Division, Statewide Rehabilitation Clinical Network (PPO Amanda Baker, SCHHS)

Multisite Goal-setting project—Funding extension for implementation phase \$ 117,000.

PhD Students Supervised by SCHHS Staff

Dr Ingrid Rosbergen (successful completion 2019), Physiotherapist

Alana Campbell, Occupational Therapist

PhD Students employed at SCHHS

Ingrid Rosbergen (UQ. Enriched Environment in Acute Stroke Unit).

Claire Stewart.

Amanda Baker (Griffith. Person centered goal-setting practices in rehabilitation services).

Alana Campbell (UQ. Cognition in acute stroke) occupational therapy.

Rohan Grimley (Monash. Systems approaches to improving stroke care).

Presentations by SCHHS Staff

1. Rosbergen I, Grimley RS, Hayward KS, Brauer SG. The impact of environmental enrichment on timing and nature of patient activities in an acute stroke unit. Stroke 2018, 18-20 August 2018. Sydney, Australia (platform presentation).
2. I Rosbergen. Environmental Enrichment as an adjunctive intervention in stroke rehabilitation. ANZSGM Qld division, Noosa 16 September 2018.
3. R Grimley, I Rosbergen, G Cadigan, T Green, S Kuys, E Horton, L Gustafsson, D Cadilhac Highlighting gaps in Queensland Rehabilitation Services (BEEPRS) CRE Stroke Rehabilitation Workshop Day, International Convention Centre, Sydney 7 August 2018.
4. Brauer SG, Rosbergen ICM, Grimley RS, Hayward KS. (2018). Embedding an Enriched Environment in an Acute Stroke Unit, European Stroke Conference, Gothenburg, Sweden 16 May 2018.
5. Grimley R, Kuys S, Gustafsson L, Horton S, Green T, Cadigan G, Cadilhac DA, Rosbergen I. Guideline recommendations for active therapy dose following acute stroke are not being met in any setting. Stroke 2018, 18 - 20 August 2018. Sydney, Australia (platform presentation).
6. Marnane K, Gustafsson L, Bennett S, Grimley R, Rosbergen I, Chen B, Cadigan G, Green T, Kuys S, Horton E. Does this patient need rehab? Exploring clinicians' decision-making around post-stroke rehabilitation referrals. Stroke 2018, 18-20 August 2018. Sydney, Australia (platform presentation).
7. Baker A. Australian Rehabilitation Nurses Association-- Queensland Study day March 2019.
8. Baker A, Cornwell P, Karwaj A (2018) Person centered and goal directed rehabilitation- How are we doing in Queensland? Presented at Asia Oceania Conference of Physical Medicine and Rehabilitation, Auckland New Zealand.

Research priorities/plans for 2019

Plans for 2019/2020 include increased neurology research with addition of research programs in vestibular (led by Dr Benjamin Tsang) and neuro-muscular (led by Dr Antony Winkel) disorders. The stroke tele-rehabilitation program of studies will commence with a co-design process and move to a randomised controlled trial in 2019/20. Analysis and publication of work from BEEPRS, and health systems interventions in falls, TIA and seizures will form a large part of the 2019 program. Multi-centre clinical trial involvement will expand to include trials in acute rehabilitation following stroke (AVERT dose), occupational therapy interventions improving discharge post stroke (HOME), and electronic messaging support for goal setting and attainment post stroke (ReCAPS).

Highlights /Outcomes

Nutrition and Dietetics established a 2018-2020 Strategic Plan in line with the SCHHS strategic focus, the purpose of the Strategic Plan is to positively influence health outcomes through high quality nutrition interventions monitored and evaluated by KPIs. To meet these KPIs, working parties were formed to ensure key priority areas are addressed within QI and research activities undertaken by staff. This included a research and quality working party which provides governance, support and guidance to ensure QI and research projects align with the key objectives of the SCHHS.

The Nutrition and Dietetics department were invited to participate in the state-wide 2018 AH-TRIP program whereby an Advanced Clinician was chosen as a champion to support and foster translational research in clinical practice. This program led to a senior clinician from the SCHHS receiving the runners up award at the state-wide research translation event. The SCHHS Dietetics department will continue to be part of this state-wide program in 2019, which is planned to expand to Allied Health across all disciplines.

Nutrition and Dietetics has participated in multicentre trials during 2018 fostering collaboration and high-quality research outcomes. In addition, two clinicians are undertaking PhDs within the department and during 2018 strong relationships were established with University of the Sunshine Coast, which has led to placement of honours research students planned to assist undertake 2019 research projects.

Grants/Awards

Nina Meloncelli: Health Practitioner Research Scheme 2018—\$29,636.

Samantha Robertson: My Translation Rules Award. Runner Up. Implementation of nutrition screening and optimising nutrition management in acute stroke.

PhD Students Supervised by SCHHS Staff

None enrolled for 2018.

PhD Students employed at SCHHS

Catherine McFarlane (University of Queensland, School of Medicine) Title: The role of nutrition supplementation in chronic kidney disease: Targeting the Kidney-Gut Axis.

Nina Meloncelli (Queensland University of Technology) Title: Gestational diabetes mellitus: Examining diversity in practices, impact of clinical guidelines and the implementation of a dietitian-led model of care.

Presentations by SCHHS Staff

Oral presentation:

McFarlane C. Synbiotics: Easing renal failure by improving gut microbiology II. 2018 Australian and New Zealand Society of Nephrology Renal Dietitians Update.

McFarlane C, Ramos CI, Johnson DW, Campbell KL. Prebiotic, Probiotic and Synbiotic Supplementation in Chronic Kidney Disease: A Systematic Review Dietitians Association of Australia 35th National Conference, Sydney, NSW, Australia 17-19 May 2018.

McFarlane C. Gut health in chronic kidney disease. 2018 Sunshine Coast Hospital and Health Service Research Day.

Meloncelli N, Barnett A, Pelly F, de Jersey S. Task and Role perceptions of GDM management as reported by multidisciplinary team members in Australia. Dietitians Association of Australia 35th National Conference, Sydney, NSW, Australia 17-19 May 2018.

Robertson S. Implementation of nutrition screening and optimising nutrition management in acute stroke. 2018 My Translation Rules Showcase.

Poster presentations:

Maney C, Blundell A, McFarlane C. Satisfaction with a selective foodservice model in a tertiary haemodialysis centre. XIX International Congress on Nutrition and Metabolism in Renal Disease, 2018.

Maney C, Blundell A, McFarlane C. Satisfaction with a selective foodservice model in a tertiary haemodialysis centre. 2018 Sunshine Coast Hospital and Health Service Research Day.

McFarlane C. Gut health in chronic kidney disease: acceptability and feasibility of synbiotic supplementation. XIX International Congress on Nutrition and Metabolism in Renal Disease, 2018.

McFarlane C, Ramos CI, Johnson DW, Campbell KL. Prebiotic, Probiotic and Synbiotic Supplementation in Chronic Kidney Disease: A Systematic Review and Meta-analysis. XIX International Congress on Nutrition and Metabolism in Renal Disease, 2018.

McFarlane C, Ramos CI, Johnson DW, Campbell KL. Prebiotic, Probiotic and Synbiotic Supplementation in Chronic Kidney Disease: A Systematic Review. 2018 Sunshine Coast Hospital and Health Service Research Day.

Meloncelli N, Barnett A, de Jersey S. A cross-sectional survey of gestational diabetes management in Queensland. Australasian Diabetes in Pregnancy Society Annual Scientific Meeting, Adelaide, Australia, 24-26 August 2018.

Meloncelli N, Barnett A, de Jersey S. A cross-sectional survey of gestational diabetes management in Queensland. IHBI Inspires Annual Conference, Brisbane, Australia, 16-17 August 2018.

Research priorities/plans for 2019

ARTPN

Australasian Registry of the use of Parenteral Nutrition in Hospitalised Patients. A multi-centre, non-interventional, observational registry that collects data on hospitalised patients who have received parenteral nutrition during their hospital stay.

Collaborations: Barwon Health, Sunshine Coast Hospital and Health Service, Sir Charles Gairdner Hospital, Toowoomba Hospital, Ipswich Hospital.

SIMPLE Phase II

Multi-site Audit/QA project: ‘Translating the Systematised, Interdisciplinary, Malnutrition program for Implementation and Evaluation (SIMPLE) into Queensland Hospitals – SIMPLE Phase II’.

SCHHS Site Coordinator: Sarah Bloomfield.

SCHHS Dietetic Ward Champions: Sarah King (4D – Surgical/Orthopaedic ward), Anny Fyffe/Scott Honeyball (3A – Medical/Resp/ID ward).

Time commitments: Program development and implementation activities will be primarily undertaken by the central KT team. Less than 2 hours / week over the course of 18 months will be required by site Dietetics staff for data collection, participation in implementation activities, noting that these will be embedded into routine clinical practice as part of clinical service improvement and non-patient attributable activities, and so do not represent any additional costings.

The overall program implementation is targeted towards increasing available dietetics FTE for higher value nutrition care activities, and so is expected to be resource generating.

SYNERGY II

Multi-site randomised controlled trial assessing the feasibility and acceptability of synbiotics in patients with moderate to severe CKD.

Coordinating investigator at both sites (SCUH and PAH): Catherine McFarlane.

Data collection due to complete 30 June 2019.

Time commitments: Catherine completes in own time as part of Higher Research Degree.

AH Trip

SCHHS Trip Champion: Katie Benton.

State-wide multidisciplinary translational research event aiming to upskill AH staff in translational research, embedding research into practice and up-skilling staff on the quality cycle.

Time Commitments: Monthly 30min PD events run over lunch time for interested staff.

USC honours research projects – 2 honours research students for 2019

1. An observational cross-sectional study exploring the provision of mid-meals to adult inpatients’ receiving a self-select mid-meal service.

Multi-site trial.

SCHHS Supervisor: Gai Moritz.

Time commitment: student will be completing data collection. SCHHS staff member involvement will be in the initial phases of orientation of student (SSA submitted for approval).

Collaboration with USC

2. Health literacy, nutrition knowledge and wellbeing in caregivers of patients with chronic kidney disease.

Collaboration between USC and SCHHS Dietetics and Nephrology Departments.

SCHHS Supervisor: Catherine McFarlane.

Time commitment: student will be completing data collection. SCHHS staff member involvement will be in the initial phases of orientation of student (SSA submitted for approval).

Collaboration with USC.

ARTPN – Australasian Registry of the use of Parenteral Nutrition in Hospitalised Patients

A multi-centre, non-interventional, observational registry that collects data on hospitalised patients who have received parenteral nutrition during their hospital stay.

SCHHS site coordinator: Zoe Hutchinson.

Time commitments: Data collection encompasses routinely collected clinical information. Minimal time impact.

Future Research/QA Opportunities

The NOURISH Study

A multi-site observational point prevalence study: Nutritional Outcomes of patients Undergoing Resection for upper gastrointestinal cancer in Australian hospitals.

Site Coordinator/Principal Investigator: Georgina Lockwood (Senior Surgical Dietitian).

Time commitment: Target is 10 patients across 4 months. Data collection encompasses routinely collected clinical information. Approximately 30 minutes per patient including data entry into electronic database (REDCap).

Benefits to participation:

- first upper GI specific point prevalence in Australia;
- inclusion of participating sites in presentations and publications;
- upskilling of staff;
- involvement in collaborative research; and
- contribution to possible development of upper GI cancer nutrition registry.

Highlights /Outcomes

In 2018, the Pharmacy Department implemented the Pharmacy Research and Quality Improvement (PRaQI) Group. The purpose of PRaQI is to develop an innovative research culture within the Pharmacy Department that advocates for the pharmacy profession. The aims of PRaQI include: providing research direction and support, expand our pharmacy research outputs and to strengthen relationships with universities, other health professionals, and national and international colleagues through collaborative projects. The Pharmacy team has worked hard to bolster its publications and presentations, and this was evident by the increase in both abstract submissions, posters and presentations at a local, state, and national level. There is a growing body of collaborative research within the pharmacy department that will translate to publications in peer reviewed journals in the near future.

Grants/Awards

Williams P. Sunshine Coast Hospital and Health Service—Study Education and Research Trust Fund (SERTF) \$19,500, GUIDE trial.

Williams P, Wilks K. Pathology Queensland—Study, Education and Research Committee (SERC) Research Funding, \$25,900, GUIDE trial.

PhD Students employed at SCHHS

Paul Williams, PhD Candidate – University of Queensland: ‘What is the validity of altered dosing approaches for ensuring appropriate antibiotic dosing in the critically ill?’

Presentations by SCHHS Staff

Kilfoyle P, Young S, Aung T, Kingscote S, Wilks K, Germann A, Haran C. Quality Indicators for the Antibiotic Treatment of Complicated Urinary Tract Infections: A Comparison of Medical and Urology Patients. Australian Society for Antimicrobials (ASA) Pharmacy Symposium, Brisbane, February 2018. Poster Presentation.

Kingscote S, Kilfoyle P, Young S, Fox M. Review of Piperacillin-Tazobactam (Tazocin ®) use at SCUH: An audit of medical and surgical patients. Australian Society for Antimicrobials (ASA) Pharmacy Symposium, Brisbane, February 2018. Poster Presentation.

Ward-Panckhurst L, Williams P, Davies A, Launspach S. ‘Qlikview’ Medication Safety Dashboard. Health Round Table Medication Improvement Group, Sydney, June 2018. Poster Presentation.

Ward-Panckhurst L, Launspach S. Timely Access to Medication Related Clinical Incident Data for the Multidisciplinary Clinical Workforce. The Society of Hospital Pharmacists of Australia (SHPA) 44th National Conference—Medicines Management, Brisbane, November 2018 and SCHHS Research Symposium, SCUH, November 2018. Poster Presentation.

Doherty T. A Review of Aspirin Administration in Acute Ischaemic Stroke within 48 hours of Admission. The Society of Hospital Pharmacists of Australia (SHPA) 44th National Conference—Medicines Management, Brisbane, November 2018 & SCHHS Research Symposium, SCUH, November 2018. Poster Presentation.

- Brearley T. Medication trolley safety on The Rehabilitation Unit: Pharmacy Assistant led interventions. The Society of Hospital Pharmacists of Australia (SHPA) 44th National Conference—Medicines Management, Brisbane, November 2018. Poster Presentation.
- Canning M, Sullivan S, Edmonds M, Zipf N, Singh H, Gibbs M, Williams P, Morris C. Better Together: A multi-site drug use evaluation of anticoagulant prescribing in Queensland public hospitals. The Society of Hospital Pharmacists of Australia (SHPA) 44th National Conference—Medicines Management, Brisbane, November 2018. Poster Presentation.
- Williams P, Beall G. Antimicrobial dosing in Critical Care: a pragmatic dosing guideline. The Society of Hospital Pharmacists of Australia (SHPA) 44th National Conference—Medicines Management, Brisbane, November 2018. Poster Presentation.
- Williams P. Venous thromboembolism treatment and chemoprophylaxis point prevalence audit. SCHHS Research Symposium, SCUH, November 2018. Poster Presentation.
- Moller S, Graham K, Williams P. Evaluation of the impact of expanding weekend clinical pharmacy service. SCHHS Research Symposium, SCUH, November 2018. Poster presentation.
- Humphreys E. Emergency Pharmacy Service—a year of reflection and planning for the future. SCHHS Research Symposium, SCUH, November 2018. Poster Presentation.
- Ward-Panckhurst L, Williams P. Smart Pumps: Wired to Wireless. SCHHS Research Symposium, SCUH, November 2018. Poster Presentation.
- Smith P, Clavarino A, Long J, Steadman K. The use of a brochure to enable CAM-with-chemotherapy patient education. The Clinical Oncology Society of Australia (COSA) 45th Annual Scientific Meeting, Mesothelioma and Gastro-Intestinal Cancers: Technology and Genomics, Perth, November 2018. Poster presentation.
- Smith P, Clavarino A, Long J, Anstey C, Steadman K. Complementary and alternative medicine use by patients receiving curative-intent chemotherapy The Clinical Oncology Society of Australia (COSA) 45th Annual Scientific Meeting, Mesothelioma and Gastro-Intestinal Cancers: Technology and Genomics, Perth, November 2018. Poster and mini-oral presentation.

Research priorities/plans for 2019

In 2019, a research priority area for the Pharmacy Department is the impact of the integrated electronic Medical Record (ieMR) on clinical pharmacy practices. Projects related to this area include: evaluating ieMR's effect on perioperative prescribing errors, a before and after audit on the impact of ieMR on pharmacists' processes, the impact of high-risk medication screening in ieMR on medication safety, a survey and optimisation of Pharmacists' documentation in ieMR, and the impact of ieMR on supply of non-imprest medications in Mental Health inpatient units.

Taking a multi-disciplinary collaborative approach, Pharmacy will continue to investigate antimicrobial usage, and dosing in the hospital setting. Projects include: Implementation of a pharmacist-led antibiotic allergy delabelling service in the emergency department; Innovative New Strategy for Piptaz and Ceftriaxone, Infection Risk and Evaluation Study (INSPIRE); Does guideline-based dosing of beta lactam antibiotics and vancomycin achieve the target drug concentrations more than therapeutic drug monitoring-based dosing in critically ill patients? (GUIDE TRIAL); and Paediatric Sepsis Breakthrough Collaborative: Improving Outcomes for Children with Sepsis in Queensland—an observational study to measure the quality improvement within the collaborative. A national and international survey of antibiotic dosing and monitoring in the adult and paediatric ICUs is also planned. Finally, with the introduction of the new HITH service there are plans to investigate Therapeutic Drug Monitoring of 24-hour beta-lactam antibiotic infusions in elastomeric pump devices in tropical climates.

In 2019 the Pharmacy department will aim to increase their publications and presentations and are determined to enable more staff to be involved in research and quality improvement projects.

Highlights /Outcomes

Practice Development had several key research projects in 2018. The main focus for the team was research on educational initiatives and in clinical leadership development.

Project Title: The Impact of Administrative Support on Clinical Leadership of Nurse Unit Managers: A multi-method study.

Investigators: Dr May El Haddad, Graham Wilkinson, Dr Lorraine Thompson, Annette Faithfull-Byrne, Assoc Prof Cheryle Moss.

This study evaluated the impact of introducing administrative support for Nurse Unit Managers (NUM). Findings revealed six key themes regarding the impacts and benefits of introducing administrative support for the NUM role.

Project Title: Clinical Coaches Ensuring Safe Practice: A critical incident technique study.

Investigators: Dr Lorraine Thompson, Annette Faithfull-Byrne, Claire Hallinan, Kathryn Geisler, Assoc Prof Cheryle Moss.

The aim of this research was to understand how the clinical coach role supported safe practice at the point of care. This study provided important insights into the role that clinical coaches can play in supporting safe practice at the point of care.

Project Title: Impacts and outcomes from education and coaching interventions on clinical leadership of nurse unit managers/midwife unit managers: A multi-method study.

Investigators: Dr May El Haddad, Dr Lorraine Thompson, Annette Faithfull-Byrne Judith Gonzalez, Associate Professor Cheryle Moss.

The aim of this research was to evaluate the impact of a leadership course combined with individual coaching for Nurse/Midwifery Unit Managers. This research provided beginning information on the potential of combining coaching with leadership courses, in order to promote the application of theoretical concepts at the point of care.

Project Title: Clinical Assessment Tools (CATs): A Stakeholder Evaluation.

Investigators: Dr Lorraine Thompson, Annette Faithfull-Byrne, David Rainbow, Lonni Mullamphy, Marjan Prinsloo, Dr Beverley Duff.

This study examined key stakeholder's activities and perceptions of the Clinical Assessment Tools. Results provided insight into how the CATs are used to inform learning and development for staff and students at the point of care.

Presentations by SCHHS Staff

Dr May El Haddad, Graham Wilkinson, Annette Faithfull-Byrne, Dr Lorraine Thompson, Associate Professor Cheryle Moss. The Impact of Administrative Support on Clinical Leadership Nurse Unit managers. A Multi-Method Study. Australian College of Nursing, The National Nursing Forum 2018, Gold Coast.

Amanda Naumann, Implementation of State-wide Triage Standards of Practice and Education. State-wide Emergency Department Nurse Educator Annual Forum, Cairns.

Mrs Rhian Rheinberger, Dr Julia Hocking, Mrs Anne Coverdale, Mrs Anna Lichy.

Measuring the impact of transition, merger and opening of a new tertiary hospital on medical and nursing staff working within three Emergency Departments. 16th International Conference for Emergency Nursing, Melbourne.

Research priorities/plans for 2019

The focus for 2019 will be on:

1. Continue to complete projects as listed above.
2. Continue to research our education initiatives, and evaluate education impact, particularly in the areas of Clinical Coaching, Practice Education and Workforce Development.
3. Continue to develop research and publication expertise within the team.
4. Continue with Quality Improvement projects to audit and evaluate education initiatives.

Highlights /Outcomes

It is very rewarding as a Departmental Director to see the unit embrace research and progress the output and reputation of the service every year. 2018 was no exception, with high impact publications and outstanding grant success along with more active research projects and collaboration than ever before.

The highlight has undoubtedly been the successful NHMRC project grant (\$1.75 million) awarded to Dr Krishnasamy and her research group to examine the effect of phosphate lowering on outcomes of dialysis patients. While phosphate lowering has been considered standard of care based on observational studies, this randomised controlled trial will definitively answer whether phosphate binders and phosphate lowering improve patient survival. Dr Krishnasamy has had other success with the award of a Wishlist grant (\$15,220) to establish patient-centred assessment and intervention strategies to improve physical function in kidney disease and appointments to the Kidney Health Australia Caring for Australasians with Renal Impairment Committee. She is also an Australasian Kidney Trials Network (AKTN) Trialist and along with A/Prof Gray a member of the AKTN haemodialysis workgroup.

After many years of hard work, a large systematic review examining caregiver burden and quality of life was published in the American Journal of Kidney Diseases and has attracted national attention and led to a request to write a book chapter from a USA group. This will hopefully lead to further research in the field.

Local collaborations continued to grow with two honours students from USC successfully completing their projects. A qualitative study was also completed by USC staff in collaboration with A/Prof Gray and the Reducing the Burden of Dialysis Catheter Complications: A National approach (REDUCCTION) study team.

Perhaps the biggest achievement has been to watch the unit embrace research across all streams. I have no doubt that those who worked in the unit 15 years ago would never have imagined the research activity and each person's involvement. From nursing staff with the RESOLVE study, allied health with SYNERGY 2 and dietary studies, and national and international medical collaborations. Congratulations to all!

Grants/Awards

Rathika Krishnasamy—NHMRC Project Grant (CIH APP1162410 \$1,748, 533.55), Wishlist (\$15,220).

PhD Students Supervised by SCHHS Staff

1. Lisa Toy and Heidi Kickbusch—USC Honours students (occupational therapy and dietetics) (supervisor Nicholas Gray).
2. Dr Dev Jegatheesan—UQ PhD candidate (supervisor Rathika Krishnasamy).

Research priorities/plans for 2019

Staff are chief investigators of two large multi-centre NHMRC-funded projects that will require significant work throughout 2019. The REDUCCTION project (A/Prof Gray—\$1.2 million) that involves over 40 sites across Australia and New Zealand has been running for over two years and the final stage of implementation occurs in 2019. Data collection will continue for another 1.5 years with numerous papers under review and in preparation. The group is now planning to use the REDUCCTION infrastructure to apply for further NHMRC funds for a randomised control trial. The second NHMRC project (Dr Krishnasamy—\$1.75 million) is under development with protocol, ethics and rollout in 2019. Dr Krishnasamy is also a chief investigator on a MRFF grant application examining CKD-MBD and calciphylaxis, with the outcome due in February 2019.

The unit has taken on another dietetics honours student from USC for 2019 and has a number of junior doctor projects underway including examining change in brand of immunosuppressant medication and use of alternative medicines by transplant patients (Laura De Souza); a systematic review of methods to reduce dialysis catheter infections (Simon Olenski); ANZDATA analyses of ethnicity and dialysis outcomes (Tahira Scott), socioeconomic status and dialysis quality of care (Dev Jegatheesan), and change in dialysis outcomes over time in rural Australia (Brian Doucet); and a case matched control study of telemedicine in kidney disease (Sebastian Lambooy).

We remain active in clinical trials with work in anaemia, focal segmental glomerulosclerosis, diabetic kidney disease, renal anaemia, IgA nephropathy, spironolactone in dialysis, and dialysate sodium. Our site is currently being considered for studies in polycystic kidney disease and diabetic kidney disease. Thank you to our research nursing staff Andrea Pollock, Gerald Hilder, and Elen Witness.

Our current staff are continuing to expand their skills with Catherine McFarlane (dietetics) enrolled in a PhD, Dr Nataatmadja in a Masters of Clinical Epidemiology, and A/Prof Gray planning to enrol in Doctorate of Medicine (Research) in 2019. We continue to actively seek a local PhD candidate.

The future looks promising for renal research.



Highlights /Outcomes

The Department of General Surgery has an expanding research profile. During 2018 the department was involved in multiple state, national and international audits and registries, including BCCA, QASM, Australian Spleen Registry and Australian Trauma Registry.

We participated in the IBIS II DCIS, Prevention and Bone sub-study, an international multi-centre study of Anastrozole vs placebo in postmenopausal women. Data were also contributed to the international multicentre CRP in anastomotic leak study.

Multiple collaborative studies are in progress including 'Optimisation of surgical waiting list management' with QUT and 'Is Vitamin D status at time of melanoma diagnosis associated with stage of tumour' with USC. Collaborative studies have also been initiated or completed with the infectious diseases department at SCUH.

Several local investigator-led studies are also progressing, including 'Blunt trauma triangle', also, 'Dermatological marking of non-melanoma skin cancer prior to surgical excision may reduce positive histological margin rate' and 'Non-specific abdominal pain; can patients requiring admission be identified?'

Each month, the General Surgery Junior Doctor's research group meets for lunch, to discuss new and continuing studies, and receive advice and support for ethics and governance processes.

Presentation:

Compliance with gallstone pancreatitis management guidelines. RACS ASC 2018.



General Surgery Senior Medical Officers

Nurse Manager Research

Highlights /Outcomes

Research activity across Surgical Services Group continued to grow throughout 2018. Support was provided with ethics and governance processes, budget development, grant applications, preparing publications and presentations, projects for academic milestones and a myriad of other queries. There are a range of clinical studies underway, involving an increasing number of internal and external collaborators. Clinical Registries and quality improvement activities with ethics oversight are also a component of service group research activity.

Longstanding active research departments include Anaesthetics and Perioperative Medicine, Intensive/Critical Care, General Surgery, Orthopaedic Surgery and Vascular Surgery. During 2018, ENT Surgery commenced their first SCHHS Clinical Trial. Plastic Surgery, Paediatric Critical Care and Urology are likely to commence research activity during 2019. There was an increase in enquiries from Junior Medical, Allied Health and Nursing staff members interested in furthering their research skills and developing research proposals for academic coursework, with rewarding results.

Surgical Services Group engages in research operations and development more broadly across the SCHHS through representation at the Research Clinical Council, Research Operations Group, Clinical Trials Sub-Committee, General Surgery Junior Doctors Group, SSG Clinical Advisory Group, SSG Safe Care Committee, and ReaCT Group. During 2018, Suzie continued PhD studies at QUT and Sandra completed her Clinical Trials studies at University of Sydney. Attendance at the 2018 NHMRC and ACTA Symposiums were valuable networking and professional development opportunities.



Sandra Allen, RN Research Assistant and Suzie Ryan, Nurse Manager Research.

Highlights /Outcomes

The Vascular Surgery team (Jill O'Donnell, Rebecca Magee and Punkaj Jha) forms part of the VasoActive research group, which brings together clinicians, academics and researchers in cardiac and vascular health from across the health service, Sunshine Coast Health Institute (SCHH), University of the Sunshine Coast (USC), and other external partners.

In 2018, our work had a strong emphasis on the benefits of adjunct therapies in patients with peripheral arterial disease and abdominal aortic aneurysm. The group is currently carrying out a trial, funded by the Vascular Foundation, of passive leg movement therapy on microvascular function in patients with PAD who have undergone lower limb surgical revascularisation. We have also recently published work highlighting the benefits of omega-3 fatty acid supplementation on the erythrocyte fatty acid profile in patients with small abdominal aortic aneurysms.

Our work relies heavily on the contributions of our 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. Additionally, Dr Jha's investigator-led study into the role of thermometry in peripheral vascular disease has continued at SCUH.



PhD student Annelise Meneses conducting studies of muscle microvascular function

Postgraduate students (USC)

Maria Perissiou—completed
 Mark Windsor—completed
 Meegan Walker—completed
 Annelise Meneses

Grace Young
 Digby Krastins
 Lara Meital
 Alex Coward

Recent conference presentations

1. Askew, C.D., Meneses, A.L., Krastins, D.K., Nam, M., Bailey, T.G., Quah, J., Lam, J.H., Sankhla, V., Jha, P., Schulze, K., O'Donnell, J., Magee, R., Anstey, C., Golledge, J., Greaves, K. Effect of surgical revascularisation on leg muscle microvascular perfusion in patients with peripheral arterial disease. European Congress of Sport Science; Prague, Czech Republic, July 2019.
2. Askew, C.D., Meneses, A., Nam, M., Bailey, T., Magee, R., Jha, P., O'Donnell, J., Schulze, K., Krastins, D., Golledge, J., Hellsten, Y., Keske, M., Greaves, K. Leg blood flow and skeletal muscle microvascular perfusion responses to cuff occlusion and exercise in peripheral arterial disease. Sunshine Coast Hospital and Health Service Research Symposium. November 2018.
3. Russell, F.D., Meital, L.T., Windsor, M., Maynard, E.E., Schulze, K., Magee, R., O'Donnell, J., Jha, P., Perissiou, M., Coverdale, S., Golledge, J., Bailey, T.G., Askew, C.D. Small abdominal aortic aneurysm (AAA) is associated with endotoxin tolerant-like macrophage immunosuppression and decreased levels of the resolution-directed mediator PGE2. Sunshine Coast Hospital and Health Service Research Symposium. November 2018.
4. Meital, L.T., Windsor, M., Maynard, E.E., Schulze, K., Magee, R., O'Donnell, J., Jha, P., Perissiou, M., Coverdale, S., Golledge, J., Bailey, T.G., Askew, C.D., Russell, F.D. Small abdominal aortic aneurysm (AAA) is associated with endotoxin tolerant-like macrophage immunosuppression and decreased levels of the resolution-directed mediator PGE2. CSANZ, Brisbane, August 2018.
5. Krastins, D., Meneses, A.L., Nam, M., Quah, A., Sankhla, V., Magee, R., O'Donnell, J., Jha, P., Schulze, K., Russell, F., Bailey, T.G., Greaves, K., Askew, C.D. Effect of lower limb revascularisation on skeletal muscle microvascular flow in patients with peripheral arterial disease: a pilot study. The 2nd Queensland Cardiovascular Research Network Showcase; Brisbane, Australia, November 2017.
6. Meital, L.T., Windsor, M., Maynard, E.E., Perissiou, M., Magee, R., Schulze, K., Krastins, D., Young, P., Jha, P., O'Donnell, J., Coverdale, S., Greaves, K., Bailey, T.G., Golledge, J., Askew, C.D., Russell, F.D. Endotoxin tolerance-like response in human abdominal aortic aneurysm (AAA) macrophages. APSA-ASCEPT Meeting, Brisbane, 2017.
7. Russell, F.D., Meital, L.T., Windsor, M., Maynard, E.E., Perissiou, M., Magee, R., Schulze, K., Krastins, D., Young, P., Jha, P., O'Donnell, J., Coverdale, S., Greaves, K., Bailey, T.G., Golledge, J., Askew, C.D. Evidence for tolerance in human abdominal aortic aneurysm macrophages. Australian Vascular Biology Society Meeting, Maroochydore, Sept 2017.

Highlights /Outcomes

In 2018, the Women and Families (W&Fs) Service Group participated in multiple research studies. Lead researchers focused on collaborating with their peers to publish manuscripts relating to: hysterectomy and consumer decision making methods, intravenous fluid preloading for obstetric women having epidurals, neonatal cord blood donations, children with bowel and bladder problems effecting quality of life, and bishops scores for obese obstetric women.

In the paediatric, obstetric and midwifery fields of research, there were eight studies in development, nine studies actively running, and five studies were completed and/or analysed/written up for publication. Paediatric and midwifery abstracts were submitted for presentation at national conferences in 2019. Numerous staff within the service group, representing the inter-disciplinary team, are undertaking higher-degrees by research.

All levels of clinical staff within Women's and Families Service were encouraged to get involved in research. This enthusiasm for research in the clinical space was key to the acceptance of investigator initiated clinical trials; which often required in-kind support from staff to ensure success.

Grants/Awards

Kearney, L., Ullman, A., Massey, D., Craswell, A. Nugent, R., Godsall, G. & Marsh, N. (2018). Peripheral intravenous catheter management in childbirth [PICMIC]: An observational study. SNMP & NURTURE Research Seed Grant. Successful—\$9, 654.79.

Reed, R., Bogossian, F., Kearney, L., Kynn, M., Jenkinson, B., Nugent, R., Toohill, J. & Vedam, S. (2018). Respectful maternity care: A cross-sectional survey of Queensland women. SNMP & NURTURE Research Seed Grant. Successful—\$9, 931.

Shakhovsky, R., Nugent, R., Gilbertson, E., Erigadoo, S., & Wee, A. (2018). CPAP for OSA and Outcomes in Pregnancy (COOP): a pilot project. SERTF, Early Career Grant, \$19 981.29.

PhD Students employed at SCHHS

Dr Rachael Nugent, Obstetrician and Gynaecologist (JCU)

Julie Creen, Occupational Therapist (USC)

Michelle Elks*, Paediatric Nurse (USC)

Roni Cole*, Paediatric Nurse (USC)

Laura Gabriel, Midwife (USC)

Master of Clinical Leadership Students employed at SCHHS

Rebecca Halsall*, Paediatric Clinical Nurse Consultant

Bryanna Martin, Midwife

Master of Science (Research) Students employed at SCHHS

Deyna Hopkinson*, Midwife

Amber Jenkins*, Midwife

Lisa Davenport*, Midwife

Paula Thesfield*, Clinical Nurse, Neonatal Unit

* PhD students supervised by SCHHS Staff W&Fs.

Presentations by SCHHS Staff

1. Young, J, Watson, K, Kearney, L, Barnes, M, Cowan S. (2018) Evaluation of the P-pi-Pod® Program through the lens of Australian Indigenous ethical principles. 2018 International Conference on Stillbirth, SIDS and Baby Survival. University of Strathclyde, Glasgow, Scotland. 6-9 June 2018.
2. Cole, R, Young, J, Kearney, L, Thompson, J. (2018) Infant care practices employed by Queensland caregivers: are safe sleeping messages being translated into practice? 2018 International Conference on Stillbirth, SIDS and Baby Survival. University of Strathclyde, Glasgow, Scotland. 6-9 June 2018.
3. Cole, R, Young, J, Kearney, L, Thompson, J. (2018) Fifteen years of infant care and safe sleeping messages: have parental care practices changed? 2018 International Conference on Stillbirth, SIDS and Baby Survival. University of Strathclyde, Glasgow, Scotland. 6-9 June 2018.
4. Shipstone, RA, Young, J, Thompson, JMD, Kearney, LN. (2018) No time to say goodbye: does medicolegal infant death investigation provide adequate care for suddenly bereaved parents? 2018 International Conference on Stillbirth, SIDS and Baby Survival. University of Strathclyde, Glasgow, Scotland. 6-9 June 2018. (accepted as oral, March 18).
5. Shipstone, RA, Young J, Thompson, JMD, Kearney, LN. (2018) Social vulnerability among the Queensland SUDI population and the factors prevalent in vulnerable groups. 2018 International Conference on Stillbirth, SIDS and Baby Survival. University of Strathclyde, Glasgow, Scotland. 6-9 June 2018.

Research priorities/plans for 2019

Our vision within Women's and Families Service Group is to provide high quality maternity, neonatal and paediatric health care to the communities of the Sunshine Coast Hospital and Health Service through active involvement in research; integration of high quality evidence into practice; and, a culture of curiosity and enquiry. Three key areas of research priority have been set:

1. Promotion of a positive experience during pregnancy, birth and early postnatal period:
 - a. using evidence to optimise normal physiology;
 - b. minimising mother-baby separation and enhancing closeness; and
 - c. work alongside consumers in providing high-quality health care
2. Optimisation of wellbeing through lifestyle and preventative health care:
 - a. Gestational diabetes and obesity;
 - b. Exercise and nutrition; and
 - c. Mental health and wellbeing.
3. Models of care and innovation in service delivery:
 - a. Caring for women and children in innovative and evidence-based ways.

The service group is leading two multi-site studies this coming year: Gestational Diabetes screening in future pregnancies after a negative Oral Glucose Tolerance Test; and, Strength with Immersion Model (SwIM): Newly qualified midwives employed within continuity of care models: evaluation of a Queensland state-wide initiative to strengthen professional capacity and support organisational

Wishlist – Sunshine Coast Health Foundation

Wishlist has directed more than \$1.5 million toward local research projects to support Sunshine Coast Hospital and Health Service. In 2019, Wishlist will grow its investment into research, offering grants in collaboration with the Sunshine Coast Hospital and Health Service's Study, Education, Research Trust fund (SERTF).

The partnership between Wishlist and SERTF will ensure equity of access to funds and efficiency in the governance of research projects within the SCHHS. The Wishlist/SERTF Research Grants Scheme is aimed at three key groups of SCHHS research staff—Novice, Early Career and Experienced.

In 2018 Wishlist appointed 2017 Australian of the Year, Professor Alan Mackay-Sim, as a member of the Wishlist Research Grants Committee to provide expert advice, strategic direction and most valuably, mentorship to our researchers. The Professor will be joined by research specialist Dr Claudia Giurgiuman, a leader in the field of Cancer Research and research processes.

Following the distribution of \$105,876 of research funding for SCHHS in 2017, several projects reached key milestones and outcomes in 2018:

- Dr Michael Nam—The effects of hyperinsulinaemic euglycaemia on myocardial ischaemia (EHMI)
 - * Wishlist funded \$70,000 toward the first PhD undertaken entirely within the Sunshine Coast Hospital and Health Service by Dr Michael Nam. In 2018, Dr Nam went on to win second prize in the prestigious American Society of Echocardiography Congress.
- Dr Rebecca Caesar—PREMTIME
 - * Wishlist allocated \$44,000 toward research into the prediction of mild developmental delay and typical outcome in at risk pre-term infants, including very premature or low birth-weight babies. In 2018, the study reached their target of 104 pre-term babies to be part of the important study.

New Projects for 2018

SSA Approval Date	Short Title	Project Title	SCHHS Investigators
1/01/2018	Interpreter Project	Auslan/English Interpreting in Queensland Health	External
15/01/2018	Person centered goal setting	An exploration of the use of patient centred principals in goal setting practices in rehabilitation services across Queensland	Amanda Baker
15/01/2018	HCQ Impact Evaluation	Evaluation of Health Consumers Queensland Impact on Consumer Engagement	External
15/01/2018	CoAAST Study	Mapping the Natural Recovery of Cognition in Acute Stroke using Serial Computerized Cognitive Assessment to Inform Discharge Planning - A Pilot Study	Alana Campbell Rohan Grimley Ingrid Rosbergen
17/01/2018	Resilience in O&G Trainees	Clinical resilience in obstetrics gynaecology trainees; do they receive adequate personal and psychological support through specialist training?	Rebecca Ryder Edward Weaver
17/01/2018	Dietitian led MOC in gestational diabetes	Evaluation of a dietitian-led model of care in low risk gestational diabetes pregnancies	Nina Meloncelli
17/01/2018	FASD Parent Outcomes	Outcomes for parents/caregivers of a diagnostic service for Foetal Alcohol Spectrum Disorders	Heidi Webster
1/02/2018	Acronyms in discharge summaries	Dangerous discharge summaries: can the use of acronyms in clinical handover documents impact patient care and safety?	Anna Coghlan Sophie Turner Steven Coverdale
9/02/2018	Paediatric fluid guideline	Assessment of a paediatric fluid guideline, and fluid prescribing education program	Clare Thomas Ilanthe Mills Oliver Trevelyan-Thomas
21/02/2018	UNA UIX	Evaluation of the utility of a new algorithm for the detection of the unmeasured ion excess in the human extracellular fluid	Chris Anstey Thomas Beaton
21/02/2018	Maternity return to work for Allied Health	The management of maternity leave and return to work policies for AHP in Queensland Health Hospitals	External
26/02/2018	All of Us	The All of Us Study - Operational staff's experience of performing cardiopulmonary resuscitation in acute care settings	Chris Dawber Bradley Chesham
26/02/2018	Validating the Q-ADDS	Determining the effectiveness of the Queensland Adult Deterioration Detection System (Q-ADDS) to detect adult clinical deterioration and the socio-cultural factors influencing health professionals' compliance with the use of Q-ADDS: a mixed method study	External
20/03/2018	Clinical Coaches and Safe Practice	Clinical Coaches ensuring safe practice: a critical incident technique study	Lorraine Thompson Annette Faithfull-Byrne Claire Hallinan Kathryn Geisler
20/03/2018	CRP Trajectory Validation	A prospective observational study to validate the utility of C-reactive protein trajectory predictor of anastomotic leak in patients with a bowel anastomosis	David Grieve Aymen Al-Timimi Scott McDonald Nicolas Copertino
20/03/2018	ARENA	An open-label, pilot, proof of concept study to evaluate the safety, tolerability, and efficacy of oral etrasimod (APD334) in patients with primary biliary cholangitis	James O'Beirne Jonathan Mitchell
20/03/2018	Perceptions of Early Mobilisation in ICU	Evaluating clinicians' knowledge, attitudes, and perceptions towards early mobilisation of critically ill patients in Intensive Care Unit	Sonja Phelan

SSA Approval Date	Short Title	Project Title	SCHHS Investigators
4/04/2018	GAME Study	Harnessing Neuroplasticity to Improve Motor Performance in Infants with Cerebral Palsy: a pragmatic randomised controlled trial	Lizelle Weber Rebecca Caesar
21/04/2018	TEAM Trial	Treatment of invasively ventilated adults with Early Activity and Mobilisation (TEAM) trial	Kate McCleary Michaela Putt
25/04/2018	Decubitus	Decubitus in Intensive Care Unit: A multi-center International One-Day Prevalence Study	Lorraine Thompson
26/04/2018	National study adult oral health	Delivering effective dental healthcare in 2020-2030: A national longitudinal partnership study of burden of oral diseases in Australia	External
26/04/2018	Low Sodium Diet with CKD	Adherence to a low sodium diet of patients with chronic kidney disease	Nicholas Gray
1/05/2018	MTR Massive Transfusion Registry	Massive Transfusion Registry	Helen Weston Christine Cocks
3/05/2018	FASD assessment in young children	An evaluation of the FASD assessment process in families of young children with prenatal alcohol exposure	Heidi Webster
3/06/2018	tVt for urinary stress incontinence	Comparison of long-term subjective outcomes for high-volume and low-volume surgeons performing tension-free vaginal tape procedures for urinary stress incontinence	Harold Baxter Rachael Nugent Edward Weaver
4/06/2018	Dialysis patients with contact precautions	The lived experience of dialysis patients managed with contact precautions	Nicholas Gray
4/06/2018	LaRDR	Lymphoma and related diseases registry	Manjunath Narayana
11/06/2018	Allied health workforce profile	Allied Health workforce practice profile survey	External
11/06/2018	Unison ANZUP1602	Phase II sequential treatment trial of single agent nivolumab, then combination Ipilimumab + nivolumab in metastatic or unresectable non-clear cell renal cell carcinoma (ANZUP1602)	Michelle Morris Jeremy Long
18/06/2018	ACHIEVE	Aldosterone blockade for health improvement evaluation in end-stage renal disease (ACHIEVE)	Nicholas Gray Euan Noble Jane Waugh Peter Hollett Rathika Krishnasamy Kumar Mahadevan Victoria Campbell
18/06/2018	RESOLVE	The development phase of the RESOLVE (randomised evaluation of sodium dialysate levels on vents) study	Nicholas Gray Peter Hollett Kumar Mahadevan Euan Noble Rathika Krishnasamy Jane Waugh Victoria Campbell
18/06/2018	Let's talk about sex phase 1	Sexual health and sexuality in people with major mental illness treated under a forensic order: A cross-sectional quantitative survey. Phase 1	External
18/06/2018	Let's talk about sex phase 2	Sexual knowledge in people with a major mental illness treated under a forensic order: A cross-sectional quantitative survey study. Phase 2	External

SSA Approval Date	Short Title	Project Title	SCHHS Investigators
18/06/2018	Paediatric herpes simplex study	Paediatric cohort study of herpes simplex infection in early infancy and meningo-encephalitis in Queensland	External
29/06/2018	Reflective practice evaluation	Evaluating reflective practices for nursing staff in an acute care hospital setting	Chris Dawber Luigi Medoro
13/07/2018	Education interventions N/MUM leadership	Impacts and outcomes from education and coaching interventions on clinical leadership of nurse unit managers/midwife unit managers: A multi-method study	May El Haddad Lorraine Thompson Annette Faithfull-Byrne Judith Gonzalez
17/07/2018	2nd international closeness survey	The 2nd international closeness survey	External
2/08/2018	CARE study	Ethical and moral issues surrounding organ donation and end of life cares within the intensive care unit, and their impact on clinical practices	Courtney Easton
2/08/2018	Operational efficiency changes	Operational efficiency changes with changing hospital size: a case study of the Sunshine Coast University Hospital	Piotr Swierkowski Carol Trevor
14/08/2018	Tissue Oximetry Saturation	Comparison of tissue oxygen saturation measurements using pulse oximetry at different anatomical positions on sleep patients	Chris Brown Leigh Wilks
14/08/2018	Endobronchial ultrasound lung biopsy	Randomised controlled trial comparing the diagnostic yield of initial forceps biopsy vs brushing in radial guide sheath endobronchial ultrasound lung biopsy	Chinthaka Samaranayake Michael Bint
14/08/2018	GP Data Linkage and REDY Consent	Primary and secondary care data linkage and integration and routine dynamic consent for rapid clinical trials access in a general practice population	Kim Greaves Mia Harris Amanda King
14/08/2018	QSAP Intervention	Optimising surgical antibiotic prophylaxis use through an Antibiotic Behavioural Change (ABC) intervention: the Queensland Surgical Antibiotic Prophylaxis (QSAP) intervention	Jennifer Broom Chris Anstey Sharon Young Clarrisa Lo Sandy Grieve
23/08/2018	Non-life threatening urgent conditions	Care of patients with non-life threatening urgent conditions in the community - a mixed methods study	External
23/08/2018	AOANJRR PROMs Pilot	Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR) Patient Reported Outcomes (PROMs) Pilot project	Charles Dick
24/08/2018	PYXIS Implementation	Pyxis Implementation: an evaluative research project	Paul Williams Brett Dalglish Bernadette Morris-Smith Kate Bennet
30/08/2018	MONARCC	A randomised phase 2 study of panitumumab monotherapy and panitumumab plus 5 fluorouracil as the first line therapy for RAS and BRAF wild type metastatic colorectal cancer (MONARCC)	Alessandra Francesconi Bryan Chan
6/09/2018	Invasive Group B Streptococcus	Monitoring group B streptococcus causing life-threatening invasive disease on the Sunshine Coast	Adam Stewart David Sowden
11/09/2018	ARISE FLUIDS	The Australasian Resuscitation in sepsis evaluation: Fluid or vasopressors in emergency department sepsis observational study	External
14/09/2018	KEYPAD	Denosumab and Pembrolizumab in clear cell renal carcinoma: a phase II trial (ANZUP1601) - KEYPAD Study	Michelle Morris Jeremy Long Peter Manders
14/09/2018	Decision-making by AH Managers	The success of research implementation strategies on evidence-based decision-making by allied health managers: a randomised controlled trial	Christian Cavaniglia

SSA Approval Date	Short Title	Project Title	SCHHS Investigators
14/09/2018	TAME Cardiac Arrest Trial	Targeted therapeutic mild hypercapnia after resuscitated cardiac arrest: A phase III multi-centre randomised controlled trial	Vikram Masurkar Alex Grosso
14/09/2018	APHIRST-Gap	Australian Paediatric Head Injury Rules Study: Assess the gap prior to implementation	Stephen Priestley
14/09/2018	AusTQIP-ATR	Australian Trauma Quality Improvement Program including the Australian Trauma Registry (AusTQIP-ATR)	Suzanne Ryan Priscilla Martin
20/09/2018	Microvascular muscle flow	Comparison and reliability of muscle microvascular flow measures using contrast enhanced ultrasound in response to short, medium and standard cuff occlusion times	Kim Greaves Tony Stanton Jing Quah Jeng Lam
27/09/2018	LIBERATE	LIBERATE A phase II study evaluating liquid biopsies to profile metastatic colorectal cancer	Alessandra Francesconi Michelle Morris
5/10/2018	Family-centred consultative therapy	Transdisciplinary advanced allied health practice: Parental engagement and motivation in family-centred consultative therapy	Julie Creen Kellee Gee
5/10/2018	cardiovascular risk scores	Prevalence of untreated high Australian Absolute Cardiovascular risk scores amongst patients presenting with first time acute coronary syndrome and prevalence of untreated cardiovascular risk factors in patients with known ischaemic heart disease	Amy Bailey Tony Stanton Vaibhav Sankhla Gabriela Kelly Alicia Palmer Christopher Anstey Kim Greaves
5/10/2018	Drug substitution in renal transplant	Incidence of generic drug substitution of immunosuppressive therapy and graft outcomes in renal transplant patients	Nicholas Gray Jane Waugh Laura De Souza
8/10/2018	Improving communication access aphasia	Improving communication access for people with aphasia in the hospital setting: A pilot study and process evaluation	Julie Scott
8/10/2018	Febrile neutropaenia	Colony stimulating factors to treat febrile neutropaenia: What do we know and what should we be doing? A review of current practice with a focus on reducing the costs of managing chemotherapy induced febrile neutropaenia and optimising clinical outcomes	Lilian Gauld
8/10/2018	RGOSA Rural obstetric service	Queensland rural generalist obstetric service provision and outcomes - a descriptive analysis	Debra Tennett Lauren Kearney
16/10/2018	Do words really hurt?	Do words really hurt? Testing the hypothesis that negative diabetes language causes distress to people with Type 1 and Type 2 diabetes	Rene Hinton
16/10/2018	Duplex Study	A Randomised, Multicentre, Double-blind, Parallel, Active-control Study of the Effects of Sparsentan, a Dual Endothelin Receptor and Angiotensin Receptor Blocker, on Renal Outcomes in Patients with Primary Focal Segmented Glomerulosclerosis	Victoria Campbell Peter Hollett Rathika Krishnasamy Kumar Mahadevan Euan Noble Jane Waugh
16/10/2018	Heard FID	A Randomised, double-blind, placebo-controlled study to investigate the efficacy and safety of Injectafer (ferric carboxymaltose) as treatment for iron deficiency	Matthew Marrinan Kim Greaves
16/10/2018	SOLOIST WHF	A Randomised, Double-blind, placebo-controlled, parallel-group, Multicentre Study to Evaluate the Effects of Sotagliflozin on Clinical Outcomes in Hemodynamically Stable Patients with Type 2 Diabetes, Post Worsening Heart Failure	Kim Greaves Matthew Marrinan

SSA Approval Date	Short Title	Project Title	SCHHS Investigators
22/10/2018	Javelin Medley B9991023	B9991023: A Multicenter, Open-Label, Phase 1B/2 Study To Evaluate Safety And Efficacy Of Avelumab (MSB0010718C) In Combination With Chemotherapy With Or Without Other Anti-Cancer Immunotherapies As First-Line Treatment In Patients With Advanced Malignancies (Javelin Chemotherapy Medley)	Jeremy Long Michelle Morris Bryan Chan Peter Manders Kathleen Houston
29/10/2018	USiPS	Use of Surgical in Parotid Surgery	David Hogan
29/10/2018	Allied Health Leadership Development Framework	Using systems theory to identify the components of an evidence-based framework for allied health leadership development	Gemma Turato
2/11/2018	Action for DKD	A Phase II, Double-blind, Randomised, Placebo-Controlled, Crossover Study Evaluating the Safety and Efficacy of Propagermanium in Patients with Diabetic Kidney Disease (DKD) who are Receiving Irbesartan	Nicholas Gray Peter Hollett Rathika Krishnasamy Euan Noble Kumar Mahadevan Jane Waugh Victoria Campbell
14/11/2018	DINGO	Diabetic foot Infection Longitudinal Outcome Study	Keat Choong Brett Sillars
30/11/2018	CHIC Project	Integrated Care Innovation Fund: The Child Health Integrated Care Project	Craig Greber
6/12/2018	Action for FSGS	A phase 2a, Double blind, Randomised, Crossover Study Evaluating the Safety and Efficacy of Propagermanium in Patients with Primary Focal Segmental Glomerulosclerosis (FSGS) who are receiving Irbesartan (DMX-200-202)	Nicholas Gray Peter Hollett Euan Noble Rathika Krishnasamy Kumar Mahadaven Jane Waugh
6/12/2018	National ACD Prevalence	Prevalence of Advanced Care Directives in Australian Health and Residential Aged Care Services	Wendy Pearse
6/12/2018	EBUS	Streamlining lung cancer diagnosis through genomic testing of cytology smears	Michael Bint
6/12/2018	Attachment Based Parenting	A Randomised Control Trial of an Attachment Based Online Parenting Program	External
6/12/2018	Parental Perceptions	Parent Perceptions of a Shared Care Model for Paediatric Oncology Care in Queensland	Nicole Hensen
7/12/2018	ESBL	Local Hospital Epidemiology and Molecular Characteristics of ESBL-Producing Enterobacteriaceae and other Multi-Resistant Gram Negative Organisms	Adam Stewart Shrada Subedi Keat Choong
12/12/2018	MiFi	Cavo-Tricuspid Isthmus Ablation using maximum voltage guided technique and new catheter sensing with miFi ablation catheter	Naresh Dayananda Matthew Tung

SCHHS staff publications - 2018

1. Abraham LJ, Thom O, Greenslade JH, Wallis M, Johnston ANB, Carlström E, Mills D, Crilly J. Morale, stress and coping strategies of staff working in the emergency department: A comparison of two different-sized departments. *EMA - Emergency Medicine Australasia*. 2018;30(3):375-81.
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