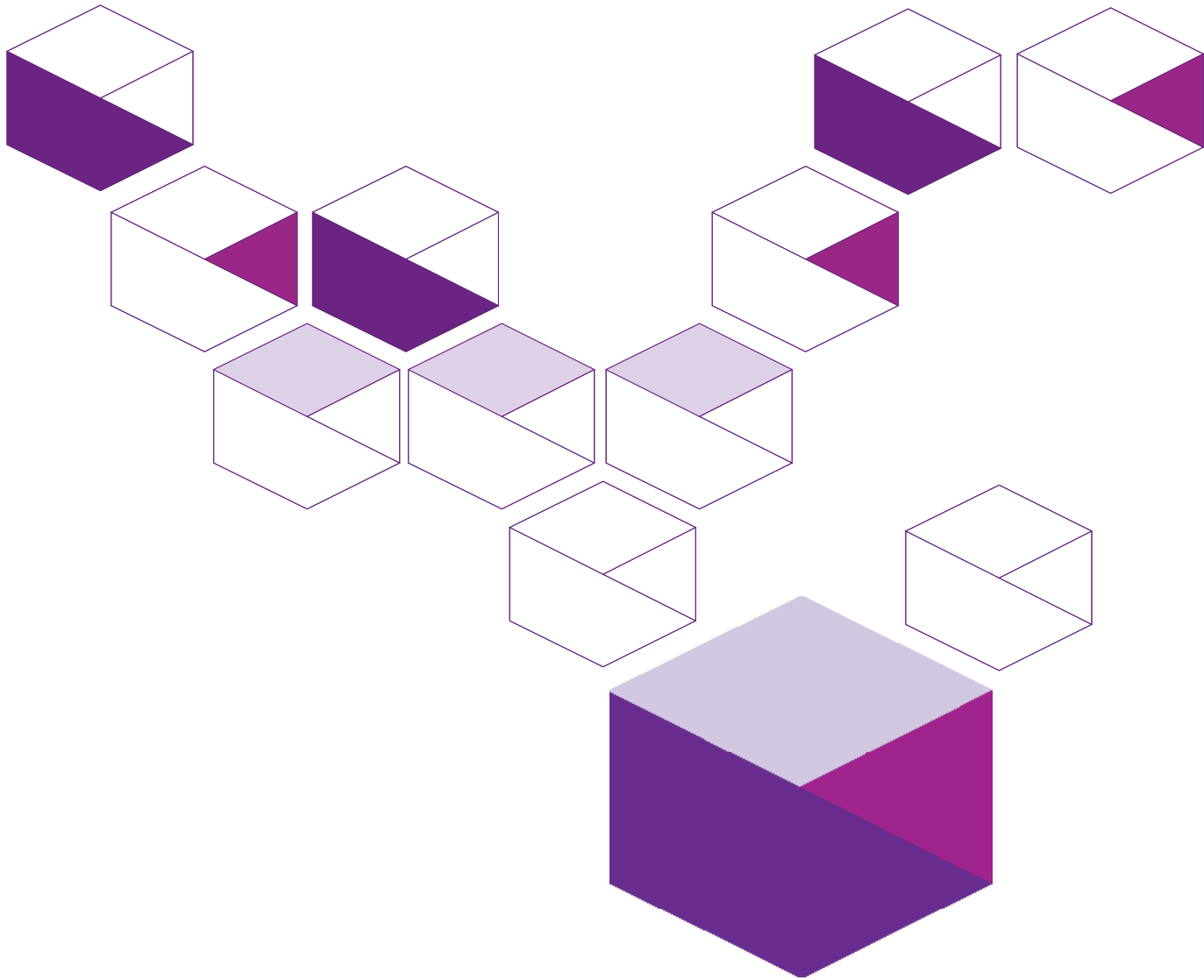




Government of **Western Australia**  
**South Metropolitan Health Service**



South Metropolitan Health Service  
**RESEARCH REPORT**  
2017

*Excellent health care, every time*

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## Acknowledgement of Country and People

South Metropolitan Health Service respectfully acknowledges the Noongar people both past and present, the traditional owners of the land on which we work. We affirm our commitment to reconciliation through strengthening partnerships and continuing to work with Aboriginal peoples.

# Forewords

The South Metropolitan Health Service (SMHS) Research Report describes the research activity in the Fiona Stanley Fremantle Hospital Group (FSFHG) and Rockingham Peel Group (RkPG), in the 2017 calendar year.

The list of research projects for 2017 was collated by:

- Assessing which of the reported 2015-2016 projects were ongoing
- Auditing the online Research Governance Service for new projects commenced in 2017
- Circulating the project list to Heads of Department, Heads of Service and clinical trials staff to check for completeness.

The list of publications and other research activity was collated by:

- SMHS/EMHS library staff performing detailed searches on key investigators for 2017 publications
- Submissions provided by investigators on an agreed template ([Appendix A](#)).

## From the SMHS Chief Executive

This report highlights the large volume of research activity conducted across SMHS during 2017. It also demonstrates the high level of dedication of our staff in communicating and translating their research through publication. This is something of which we should all be proud.

The past year has seen significant changes to the research environment with the ongoing implementation of the online Research Governance Service (RGS), which changed the process of research submission and review across WA Health. I would like to thank staff for their dedication to supporting the implementation of this system and the additional training and learning undertaken to facilitate its capability. In the future, the system will provide critical information about research activity within SMHS and WA Health more broadly.

In 2017 we also saw the introduction of the National Mutual Acceptance (NMA) Scheme which aims to make it easier for WA sites to be included in national research projects without having to undergo additional ethical and scientific review. We are already starting to see a large number of projects coming to SMHS through this scheme.

There is a large diversity of research conducted within SMHS with projects including sponsored clinical drug trials, national collaborative trials as well as a range of locally initiated projects aiming to improve patient outcomes.

Research is critical to SMHS and the community it serves. It is a credit to our investigators that this research impacts beyond the local setting with the outcomes of these projects often having national and international significance.

**Paul Forden**  
**Chief Executive**  
**South Metropolitan Health Service**

# Acknowledgements

This Research Report was developed with contributions from:

- Researchers from multiple departments as detailed within this report
- Heads of Service, Clinical Trials Coordinators and administrative staff
- Staff from the SMHS/EMHS Library
- SMHS Research, Ethics and Governance (REG) Unit team members.

# Executive summary

The South Metropolitan Health Service (SMHS) Board has outlined research as a key enabler to deliver on its strategic priority of *Excellence in the delivery of safe, high quality clinical care*.<sup>1</sup>

It is also recognised that research is a pivotal enabler of the other four strategic priorities of SMHS:

- Provide a great patient experience
- Engage, develop and provide opportunities for our workforce
- Strengthen relationships with our community and partners
- Achieve a productive and innovative organisation which is financially sustainable.

The attraction and retention of credible researchers is extremely important to SMHS, as “research is fundamental to achieve excellence in care and improve patient and consumer outcomes”.<sup>2</sup>

In 2017, the majority of research in SMHS has been conducted at Fiona Stanley Hospital (FSH). However, a significant number of projects involve collaboration across SMHS sites including Fremantle Hospital and Rockingham General Hospital (RGH).

This report showcases research activity in FSFHG and RkPG and is a testament to the passion of our researchers and is worthy of celebration. SMHS has recently developed an operational plan for research which will provide the direction for research in SMHS over the next three years.

This report aims to capture all research activity during a calendar year. It is important to note that many projects take place across a number of years and as such will appear in multiple annual reports. A number of the projects being conducted in 2017, and captured in this report, have been carried over from the 2015–2016 report. As such, the number of projects reported represents total research activity, rather than the number of new projects.

In 2017, FSFHG was involved in **320** projects, which is an increase from the 2015 and 2016 SMHS Research Report<sup>3</sup>. This increase in projects was consistent across all services. The research activity at RkPG was consistent with the 2015–2016 report with **16** trials being conducted in 2017.

In addition to the large number of projects being conducted, there were **347** publications produced in 2017, which is an increase compared to the previous two years (353 across both 2015 and 2016). These publications often involve collaboration across departments and services. For this report, these publications have been recorded once under a single department. Due to the methods used to collate the publications it is likely that some will have been missed if investigators have not self-reported. In addition, some researchers may have published under affiliations other than SMHS i.e. their respective universities.

1 SMHS Strategic Plan 2017-2020 link

2 Melbourne Health link

3 2015-16 SMHS Research Report

**92**

ethics approvals  
granted in  
2017



**155**

governance  
approvals in  
2017

**Research  
projects**



**176**

FSFHG  
Service One  
projects

**23**

FSFHG  
Service Two  
projects

**51**

FSFHG  
Service Three  
projects

**42**

FSFHG  
Service Four  
projects

**8**

FSFHG  
Service Five  
projects

**20**

FSFHG  
other service  
projects



**16**

RkPG  
service  
projects



There were **92** ethics approvals granted in 2017 by the SMHS Human Research Ethics Committee (HREC). This is a decrease in the number of approvals from previous years, according to the 2015–2016 report (205 approvals in 2016 alone). This reduction in activity can be attributed to the separation of the Royal Perth Hospital HREC from SMHS, with the establishment of East Metropolitan Health Service (EMHS).

There were **155** site authorisations processed by the SMHS governance team in 2017. This also represents a decrease from **211** in 2016. However, this can also be largely attributed to the separation of Royal Perth Hospital authorisations from SMHS.

Table 1 below provides a high level summary of research activity by group and specialty/department /service for the 2017 calendar year.

**Table 1: Research activity by group, and specialty / department / service**

## Fiona Stanley Fremantle Hospitals Group (FSFHG)



Specialty/department/service	Projects	Publications
<b>Service One</b>		
Cardiology	23	21
Advanced Heart Failure and Cardiac Transplant	3	
Cardiothoracic Surgery	1	3
Dermatology	0	11
Endocrinology	13	34
Haematology	51	13
Immunology	3	6
Infectious Disease	0	6
Medical Oncology	38	7
Microbiology	0	4
Nephrology	19	14
Neurology	7	5
Respiratory Medicine	10	17
Rheumatology	7	13
Sexual Health	1	0
<b>Service Two</b>		
Anaesthesia and Pain Medicine	7	7
Intensive Care	11	18
Nuclear Medicine	1	1
Medical Imaging	1	0
Vascular Access	3	10
<b>Service Three</b>		
Breast Service	5	29
Ear, Nose and Throat	0	2

General Surgery	5	0
Maxillofacial Surgery	2	0
Neonatology	1	3
Orthopaedics	11	3
Plastic Surgery	0	1
State Adult Burns Service	18	29
Urology	8	6
Vascular Surgery	1	9
<b>Service Four</b>		
Aged Care	5	4
Emergency	7	25
Gastroenterology and Hepatology	28	12
General Medicine	1	0
Hyperbaric Medicine	1	2
<b>Service Five</b>		
Mental Health	4	15
Perinatal Mental Health	3	
State Rehabilitation Service	1	0
<b>Other</b>		
Allied Health	12	6
Nursing	5	3
Medical Education	2	3
Office of the Chief Executive	1	0
Pharmacy	0	5
<b>Totals FSFHG</b>	<b>320</b>	<b>347</b>

## Rockingham Peel Group (RkPG)



### Specialty/department/service

### Projects Publications

Anaesthesia	2	
Aged Care	1	
Cardiology	1	
Emergency	3	10
Endocrinology	2	
Intensive Care	3	
Mental Health	3	
Rheumatology	1	
<b>Totals RkPG</b>	<b>16</b>	<b>10</b>

**Note:** The specialty/department/service name is hyperlinked to its relevant section within the document.

# Research environment

During the past few years, the research environment within SMHS has experienced several large scale changes, and some exciting new developments to enable research activities and empower researchers:

- **Research Governance Service (RGS) 2016:** RGS is the WA Health Information Technology platform that manages all Ethics and Governance submissions and approvals across WA Health. Implementation of this system enabled WA Health to qualify for the National Mutual Acceptance Scheme in 2017.
- **National Mutual Acceptance (NMA) Scheme 2017:** Introduced in mid-2017 this process allows the HREC approval granted by a Lead HREC to be applicable across Australia (excluding the Northern Territory). This reduces duplication and promotes the inclusion of Western Australian sites in projects being led by other jurisdictions.
- **Low risk fast track 2017:** In late 2017 a low risk fast track process was trialled in an effort to reduce the time to approval for low risk research. The trial was a success and new processes have been implemented to review low risk projects through an expedited process.
  - During the trial 25 projects were reviewed which resulted in 17 site authorisations and 5 ethics approvals. Only two studies received both ethics approval and site authorisation and 5 projects were still under review at the completion of the trial period but later received approval.
  - Average time for ethics approval during the trial was 14 days.
  - Average time for site authorisation during the trial was 4 days, with 50% completed in 2 days or less.
  - Site authorisations were signed off by the Manager of the Research Ethics and Governance Unit.
  - A number of recommendations were made at the conclusion of the trial. These are currently being implemented.



# Overview of SMHS research activity

Ethics approvals, site authorisations (governance approvals) and project closure activity data for the calendar year is provided in the tables below.

## 2017 Research activity

**Table 2:**

		SMHS
Ethics approvals	1 January 2017 to 31 December 2017	Ethics Approval 92

**Table 3:**

		FSFHG	RGH	Total
Governance approvals	1 January 2017 to 31 December 2017	Site Authorisations 142	13	155

**Table 4:**

		SMHS
Closed projects	1 January 2017 to 31 December 2017	Projects Closed 17*

\*An audit of expired and closed projects is planned for early 2018.

# Waiver of consent

SMHS HREC granted 30 waivers of consent in 2017 as per table 5 below.

**Table 5: Waiver of consent projects**

Project title	Brief description
1. <b>Hypoglycaemia in adults with diabetes: Inpatient incidence and prevention using novel sensing technology.</b>	A waiver was granted to conduct an audit of the incidence of inpatient hypoglycaemic events together with their relationship to co-morbidities, therapies for diabetes and non-diabetic illness, and length of stay. This information supported the second phase of the study.
2. <b>Predictors of anastomotic dehiscence, a comparison of C-reactive protein, procalcitonin and neutrophil to lymphocyte ratio.</b>	A waiver was granted to conduct an audit of normal practice regarding inflammatory markers, C-reactive protein, procalcitonin and neutrophil to lymphocyte ratio following colonic and rectal anastomosis. The aim is to discover if any of these markers have any value in predicting anastomotic leak following anastomosis.
3. <b>C-Reactive protein as a predictor of the severity of CT findings in acute diverticulitis.</b>	A waiver was granted to conduct an audit of the inflammatory biomarkers c-reactive protein and white cell count in patients that presented acutely with acute diverticulitis who also underwent CT scanning as part of their initial investigations. The aim is to discern if it is possible to predict the severity of diverticulitis based on their initial inflammatory marker levels.
4. <b>WA Neck of Femur Fracture Collaboration.</b>	A waiver was granted to conduct an audit of patients presenting with a fractured neck of femur. The aim is to better describe and share (publish) interventions and outcomes instituted within an evolving standard of care of these patients within the hospitals involved in the project.
5. <b>Optimising vancomycin dose using Bayesian forecasting: A retrospective audit with a prospective evaluation of informed predictive dosing.</b>	A waiver was granted to conduct a review of the current practice of vancomycin dosing for inpatients receiving intermittent intravenous bolus dosing. These will be assessed against the explicit standards which are set out in National Guidelines (1), specifically, target through vancomycin concentrations.

6. <b>Biomechanical modelling of type B aortic dissection.</b>	A waiver was granted to allow access to de-identified CT scans to investigate a new method (computational fluid dynamics) to see if treatment outcomes can be predicted for those with Type B aortic dissection.
7. <b>Pre-treatment wait time for head and neck cancer in Western Australia.</b>	A waiver was granted to conduct an audit on pre-treatment wait times for Head and Neck Cancer (HNC) patients. The aim is to the predictive factors for increased wait time, and determination of the effect of increasing wait time on tumour volume and staging.
8. <b>The identification of national heritage, ethnicity and/or religion in clinical handover or medical records at a large teaching hospital.</b>	A waiver was granted to conduct an audit of patient records with the aim of establishing if the frequency and rationale for a patient's national heritage / country-of-birth, ethnicity or religion is mentioned or recorded, either during clinical handover in the intensive care unit, or in the written electronic medical records of a large, metropolitan, teaching hospital in Perth.
9. <b>Post-operative feeding of colorectal surgery patients at Fiona Stanley Hospital and its impact on outcomes.</b>	A waiver was granted to conduct an audit to quantify post-operative feeding practices at FSH in colorectal patients undergoing elective surgery. This information will then be compared to the evidenced based Enhanced Recovery After Surgery (ERAS) principles and recommendations for improvements to current practices made.
10. <b>Oesophageal cancer and impact of dietetic involvement during combined chemotherapy and radiotherapy treatment.</b>	A waiver was granted to conduct an audit of medical records to determine if dietetic intervention is beneficial to patients with oesophageal cancer undergoing combined chemotherapy and radiotherapy.
11. <b>Retrospective analysis of clinical efficacy and outcomes of left atrial appendage device occlusion in patients with atrial fibrillation.</b>	A waiver was granted to conduct an audit of the medical records of patients who have undergone insertion of Left Atrial Appendage Occlusion device (LAAO). The aim is to look at clinical outcomes in regards to efficacy of the device in reducing risk of stroke as well as secondary outcomes and complications.

<p>12. <b>Endoscopist prediction of colonoscopy findings from pre-procedure data. Is endoscopy “like a box of chocolates” where you don’t know what you are going to find?</b></p>	<p>A waiver of consent was granted in order to facilitate an analysis of the predictive value of the referral documentation for specific colonoscopy findings and to determine the additional value of the endoscopist interview of the patient for predicting colonoscopy findings. Patient data was required to effectively analyse the result of endoscopist interview data.</p>
<p>13. <b>Evaluation of IVD Becton Dickinson Barricor Venous Plasma Collection Tube.</b></p>	<p>A waiver was granted to allow the collection of an additional 3ml of blood from patients undergoing routine blood tests. The aim is to evaluate the suitability of a new collection tube.</p>
<p>14. <b>Audit investigating Prevena (R) incision management system and its effects on wound healing and infection rates when used on abdominal wall hernia repair.</b></p>	<p>A waiver of consent was granted to conduct an audit of medical records to determine if the new management system has been effective in reducing surgical site infection and is cost effective.</p>
<p>15. <b>Prophylactic enteral feeding vs. oral diet or reactive tube feeding in patients with head and neck cancer undergoing curative radiotherapy +/- chemotherapy treatment at Fiona Stanley Hospital (FSH)</b></p>	<p>A waiver of consent was granted to conduct an audit on how many patients receive prophylactic tube placement at FSH prior to curative radiotherapy +/- chemotherapy. Collecting this data will assess the impact on weight and unplanned admissions for those that either receive a prophylactic feeding tube versus those that have either oral diet only or a reactive feeding tube placed. This will also allow a comparison to current guidelines.</p>
<p>16. <b>Previous Hospital Presentations for Inpatient Alcoholic Liver Deaths: A Multi-tertiary Centre Project.</b></p>	<p>A waiver was granted to conduct an audit of medical records of patients who have died from alcoholic liver disease. By determining previous hospital presentations it will increase physician knowledge of opportunities for intervention for patients with alcoholic liver disease. As such creating the potential for prevention of disease progression and reducing morbidity, mortality and health care resource utilisation.</p>
<p>17. <b>Factors contributing to early postoperative endoscopic recurrence in Crohn’s disease.</b></p>	<p>A waiver of consent was granted to conduct an audit of medical records for patients who had a small bowel or ileo-colic resection between 2012 – 2016 and had a post-operative surveillance colonoscopy within the first 12 months of surgery. These results will be used to inform local practice.</p>



18. <b>Correlation between site of stroke lesion and pushing behaviour.</b>	A waiver of consent was granted to conduct an audit of medical records of stroke patients to describe the relationship between site of stroke lesion and pushing behaviour.
19. <b>Surgical Pleth Index as a predictive tool for postoperative pain: validation of a cut-off value and investigation of the influence of age.</b>	A waiver of consent was granted to prospectively validate the surgical pleth index (SPI) cut-off published by in a larger cohort. In addition, to evaluate the influence of age on the SPI cut-off value predicting moderate-severe pain, as well as the influence of a different anaesthetic technique (total intravenous anaesthesia) on the predictive value of SPI.
20. <b>Fungal surveillance in Western Australia.</b>	A waiver of consent was granted to examine over time the trends of fungal infection in Western Australia.
21. <b>Assessment of the long term effects of the Hyperbaric environment on the Pulmonary function of Chamber attendants at a tertiary hospital hyperbaric medicine unit.</b>	A waiver of consent was granted to conduct a review of Hyperbaric chamber attendants' lung function records to assess changes in lung function over time. This information may influence long term occupational safety guidelines.
22. <b>Combining demographic, treatment and laboratory information with population pharmacokinetic modelling to select the best doses of clozapine for patients with difficult-to-treat psychoses.</b>	A waiver of consent was granted to create a population model from 750 patients that incorporates the effects of dose, time from dose, age and gender on concentration variability for clozapine and norclozapine, to estimate the effects of these treatment and demographic characteristics.
23. <b>Evolution of beta-lactam resistance in Pseudomonas aeruginosa during treatment of major burn injury.</b>	A waiver of consent was granted to allow collation of minimal clinical data to record extent of injury expressed as total body surface area and antibiotic administration history. This information is to be used in the analysis of Pseudomonas aeruginosa isolates for antibiotic resistance.
24. <b>Defining and Defeating Aboriginal and Torres Strait Islander Disadvantage In Breast Cancer Survival.</b>	A waiver of consent was granted to access medical records for Aboriginal and Torres Strait Islander breast cancer patients. This project also required approval from WAAHEC and WA Health HREC. The aim is to explore the full range of biological drivers that could fuel adverse Aboriginal and Torres Strait Islander outcomes.

<p>25. <b>A radiographic study of the location of bifurcation of the superficial temporal artery – Is there a sound anatomical basis for the Gillies approach in temporal artery biopsy?</b></p>	<p>A waiver of consent was granted to conduct an audit of CT angiograms of the head and neck to quantify the location in millimetres of the bifurcation of the superficial temporal artery to the root of the zygomatic arch and the root of the helix based on the 3D reconstruction image of each CT angiogram. The aim is to fill gaps in knowledge and may lead to the use of a new technique to biopsy the STA that purports to facilitate diagnosis and reduce morbidity associated with giant cell arteritis.</p>
<p>26. <b>Is highly-sensitive troponin testing advancing clinical practice, improving outcomes and cost-effective in the investigation and management of chest pain in the Emergency Department?</b></p>	<p>A waiver of consent was granted to utilise patient records to evaluate the treatment, management, cost and outcome at 1 year before and after the introduction of new blood tests in a national multi-hospital study.</p>
<p>27. <b>Identification of EMAST-positive tumours.</b></p>	<p>A waiver of consent was granted to use formalin-fixed paraffin-embedded (FFPE) colorectal cancer specimens to optimise local protocols for analysis of these samples.</p>
<p>28. <b>Vitamins and delirium in older ED patients.</b></p>	<p>A waiver of consent was granted to conduct an audit of clinical records to compare vitamin B1 and D levels in people with and without delirium presenting to the Emergency Department (ED). The aim is to identify the relationship between vitamin deficiency and delirium which could allow for the planning of interventional trials for delirium treatment.</p>
<p>29. <b>Pilonidal Sinus Disease: Western Australia Metropolitan Health Services – Definitive Surgical Practice Preferences, Outcomes and Patient Perspective.</b></p>	<p>A waiver of consent was granted to conduct an audit of clinical records to assess the current surgical management for pilonidal sinus disease in the Western Australian (WA); Metropolitan Health Services (MHS). This data forms part of a study aimed to also assess surgical and patient perspective on current surgical management.</p>
<p>30. <b>The Australian Motor Neuron Disease Registry.</b></p>	<p>Opt-out consent was granted for inclusion of motor neuron disease patients in a national registry.</p>



# Fiona Stanley Fremantle Hospitals Group

# Service One

## Cardiology



Cardiology	23	
Advanced Heart Failure and Cardiac Transplant	3	21



## Projects

Cardiology	CPI/PI
A double-blind, randomized, placebo-controlled, multicenter study to assess the efficacy and safety of Omecamtiv Mecarbil on mortality and morbidity in subjects with chronic heart failure with reduced ejection fraction.	Chris Judkins
A randomised controlled trial of nurse-supported telehealth for people with heart conditions. (Investigator initiated).	Andrew Maiorana
A randomised, controlled trial of water-based exercise in people with stable coronary heart disease. (Investigator initiated).	Andrew Maiorana
A Randomized Parallel-Group, Placebo-Controlled, Double-Blind, Event-Driven, Multi-Center Pivotal Phase III Clinical Outcome Trial of Efficacy and Safety of the Oral sGC Stimulator Vericiguat in Subjects With Heart Failure With Reduced Ejection Fraction	Amit Shah
ABSORB IV: Randomized Controlled Trial – Clinical Evaluation of the Absorb BVS, in the Treatment of Subjects with de novo Native Coronary Artery Lesions.	Matthew Erickson
ABSORB REGISTRY: Real world use of the ABSORB Bioresorbable Vascular Scaffold in de novo coronary artery disease in Australian centres: a prospective post-marketing multi-centre registry (The Australian Absorb Registry).	Carl Schultz
AMULET: Amulet Observational Post-Market Study.	Vince Paul
BIOFLOW IV: A Prospective, Randomised, Multicentre Study to Assess the SaFety and Effectiveness of the Orsiro SiroLimus Eluting Stent in Treatment of Subjects With up to two de novo Coronary Artery Lesions.	Michael Nguyen

CAMELLA: A Randomized, Double-blind, Placebo-controlled, Parallel-group Study to Evaluate the Effect of Long-term Treatment with Lorcaserin HCl on the Incidence of Major Adverse Cardiovascular events and Conversion to Type 2 Diabetes Mellitus in Obese and Overweight Subjects with cardiovascular Disease or Multiple cardiovascular Risk factors.	Alan Whelan
COMPASS: Cardiovascular Outcomes for People using Anticoagulation Strategies – A randomized controlled trial of Rivaroxaban for the prevention of major CV events in patients with coronary or peripheral artery disease.	Alan Whelan
DECLARE: A Multicentre, Randomized, Double-Blind, Placebo-Controlled Trial to Evaluate the Effect of Dapagliflozin 10mg Once Daily on the Incidence of CV Death, MI, or Ischaemic Stroke in patients with Type II Diabetes.	Alan Whelan
EVOLVE II: A Prospective Multicenter Trial to Assess the Safety and Effectiveness of the SYNERGY™ Everolimus-Eluting Platinum Chromium Coronary Stent System (SYNERGY Stent System) for the Treatment of Atherosclerotic Lesion.	Alan Whelan
GEMINI: Compare the Safety of Rivaroxaban versus Acetylsalicylic Acid in Addition to Either Clopidogrel or Ticagrelor Therapy in Subjects with Acute Coronary Syndrome.	Alan Whelan
Is the incidence of heart attack still decreasing in Australia? Developing more reliable methods for monitoring trends in myocardial infarction and coronary heart disease (AUS-MOCHA).	Frank Sanfilippo
REDUCE IT: Reduction of Cardiovascular Events with EPA – Intervention Trial: A Multi-Center, Prospective, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Effect of AMR101 on Cardiovascular Health and Mortality in Hypertriglyceridemic Patients with Cardiovascular Disease or at High Risk for cardiovascular Disease.	Timothy Davis
RevELUTION: A Clinical Evaluation of the Medtronic Polymer-Free Drug-Eluting Coronary Stent System in De Novo Native Coronary Artery Lesions Polymer-Free DES Trial.	Sharad Shetty
Stimulation of the Left Ventricular Endocardium for Cardiac Resynchronization Therapy in Non-Responders and Previously Untreatable Patients.	Vincent Paul
TEXTMEDS – TEXT messages to improve MEDication adherence and secondary prevention. (Investigator initiated).	Andrew Maiorana

The effects of different intensity exercise training in patients with left ventricular assist devices: a multicentre, randomized, control trial. (Investigator initiated).	Andrew Maiorana
The impact of left ventricular assist device implantation on physical activity levels in patients with advanced chronic heart failure. (Investigator initiated).	Andrew Maiorana
<b>THEMIS:</b> A Multinational, Randomized, Double-Blind, Placebo-Controlled trial to evaluate the effect of Ticagrelor 60mg twice daily on the Incidence of CV Death, MI or Stroke in patients with Type 2 Diabetes Mellitus.	Alan Whelan
Transcatheter Aortic Valve Replacement With the Medtronic Transcatheter Aortic Valve Replacement System In Patients at Low Risk for Surgical Aortic Valve Replacement.	Gerald Yong
<b>TREAT study:</b> a phase III, randomised, international, multicentre, open label with blinded adjudication of outcomes, non-inferiority clinical trial to explore the safety and efficacy of ticagrelor compared with clopidogrel in patients with acute coronary.	Alan Whelan
<b>Advanced Heart Failure and Cardiac Transplant</b>	<b>CPI/PI</b>
A multi-centre, randomised, double blind, active-controlled, parallel group Phase 3 study to evaluate the efficacy and safety of LCZ696 compared to ramipril on morbidity and mortality in high risk patients following an acute myocardial infarction (PARADISE).	Kaitlyn Lam
Identifying predictors of survival in patients with advanced heart failure.	Louise Naylor
Neurohormonal blockade therapy in heart failure patients with ventricular assist device.	Kaitlyn Lam



## Publications

- Morgan H, McCann M, Whelan A, Clugston R. **Right Coronary Dissection and Left Anterior Descending Thrombus: Dual Dilemma in a Young Cardiac Arrest Survivor.** *The Journal of emergency medicine.* 2017;52(6):e233-e6.
- Rehmani A, Judkins C, Whelan A, Nguyen M, Schultz C. **Comparison of Safety and Efficacy of Unfractionated Heparin Versus Bivalirudin in Patients Undergoing Percutaneous Coronary Intervention.** *Heart, lung and circulation.* 2017;26(12):1277-81.
- Bender R, Njue F, Vasikaran S, Lambert R, Rankin J, Hillis GS, Bell DA. **Impact of the Australian gender specific thresholds using the Abbott high sensitivity troponin I assay in clinical care.** *Pathology.* 2017;49(5):514-7.
- Brooks M, Ellis C, Gamble G, Devlin G, Elliott J, Hammett C, Chew D, French J, Briffa T, Redfern J, Rankin J, Hyun K, D'Souza M, Brieger D. **A Comparison of Radial and Femoral Coronary Angiography in Patients From SNAPSHOT ACS, a Prospective Acute Coronary Syndrome Audit in Australia and New Zealand.** *Heart Lung and Circulation.* 2017;26(3):258-67.
- Halabi A, Chew DP, Horsfall M, Huyn K, Maclsaac A, Juergens C, Amerena J, Rankin J, French J, Brieger D. **Has invasive management for acute coronary syndromes become more 'risk-appropriate': Pooled results of five Australian registries.** *European Heart Journal – Quality of Care and Clinical Outcomes.* 2017;3(2):133-40.
- Asrar ul Haq M, Erickson M, Rankin J, Whelan A. **Late Strut Fracture Within a Partially Resorbed Bioresorbable Vascular Scaffold: A Possible Cause of Late Scaffold Thrombosis and Acute Coronary Syndrome.** *Heart Lung and Circulation.* 2017;26(4):e26-e8.
- Ihdayhid AR, Yong A, Harper R, Rankin J, Wong C, Brown AJ, Leung M, Ko B. **A Practical Guide for Fractional Flow Reserve Guided Revascularisation.** *Heart, lung and circulation.* 2017.
- Anastasius M, Lau JK, Hyun K, D'Souza M, Patel A, Rankin J, Walters D, Juergens C, Aliprandi-Costa B, Yan AT, Goodman SG, Chew D, Brieger D. **The underutilisation of dual antiplatelet therapy in acute coronary syndrome.** *International Journal of Cardiology.* 2017;240:30-6.
- Eccleston D, Horrigan M, Rafter T, Holt G, Worthley SG, Sage P, Whelan A, Reid C, Thompson PL. **Improving Guideline Compliance in Australia With a National Percutaneous Coronary Intervention Outcomes Registry.** *Heart, lung and circulation.* 2017;26(12):1303-9.
- Yoon SH, Bleiziffer S, De Backer O, Delgado V, Arai T, et.al. **Outcomes in Transcatheter Aortic Valve Replacement for Bicuspid Versus Tricuspid Aortic Valve Stenosis.** *J Am Coll Cardiol.* 2017;69(21):2579-89.
- Pavey W, Rasis A, Dunne B, Van Laeken E, Jenkinson C, Vincent V, Baird P, Prince S, Ho KM, Merry C, Gilfillan I. **The practicalities of establishing a porcine isolated heart model.** *Perfusion.* 2017;267659117746232.
- Haynes A, Linden MD, Chasland LC, Nosaka K, Maiorana A, Dawson EA, Dembo LH, Naylor LH, Green DJ. **Acute impact of conventional and eccentric cycling on platelet and vascular function in patients with chronic heart failure.** *J Appl Physiol.* 2017;122(6):1418-24.
- Chasland LC, Green DJ, Maiorana AJ, Nosaka K, Haynes A, Dembo LG, Naylor LH. **Eccentric Cycling: A Promising Modality for Patients with Chronic Heart Failure.** *Med Sci Sports Exerc.* 2017;49(4):646-51.
- Nosaka K, Haynes A, Chasland LC, Maiorana A, Naylor LH, Green DJ. **Reply to Drs. Pageaux et al.: Cognitive demand of eccentric versus concentric cycling.** *Journal of applied physiology (Bethesda, Md : 1985).* 2017;123(5):1418.

Stoner L, Matheson AG, Perry LG, Williams MA, McManus A, Holdaway M, Dimer L, Joe JR, Maiorana A. **Principles and strategies for improving the prevention of cardio-metabolic diseases in indigenous populations: An international Delphi study.** Preventive medicine. 2017;96:106-12.

Maiorana A, Ntoumanis N. **Physical Activity in Patients with Cardiovascular Disease: Challenges in Measurement and Motivation.** Heart, lung and circulation. 2017;26(10):1001-3.

Ding H, Jayasena R, Maiorana A, Dowling A, Chen SH, Karunanithi M, Layland J, Edwards I. **Innovative Telemonitoring Enhanced Care Programme for Chronic Heart Failure (ITEC-CHF) to improve guideline compliance and collaborative care: protocol of a multicentre randomised controlled trial.** BMJ Open. 2017;7(10):e017550.

Giuliano C, Parmenter BJ, Baker MK, Mitchell BL, Williams AD, Lyndon K, Mair T, Maiorana A, Smart NA, Levinger I. **Cardiac Rehabilitation for Patients With Coronary Artery Disease: A Practical Guide to Enhance Patient Outcomes Through Continuity of Care.** Clinical Medicine Insights Cardiology. 2017;11:1179546817710028.

Smith KJ, Hoiland RL, Grove R, McKirdy H, Naylor L, Ainslie PN, Green DJ. **Matched increases in cerebral artery shear stress, irrespective of stimulus, induce similar changes in extracranial arterial diameter in humans.** J Cereb Blood Flow Metab. 2017:271678X17739220.

Chasland LC, Knuiiman MW, Divitini ML, Chan YX, Handelsman DJ, Naylor LH, Green DJ, Yeap BB. **Greater physical activity and higher androgen concentrations are independently associated with lower cardiometabolic risk in men.** Clinical endocrinology. 2017;87(5):466-74.

Bertilone CM, McEvoy SP, Gower D, Naylor N, Doyle J, Swift-Otero V. **Elements of cultural competence in an Australian Aboriginal maternity program.** Women and birth: journal of the Australian College of Midwives. 2017;30(2):121-8.



# In Focus

A randomised, controlled trial of water-based exercise in people with stable coronary heart disease. (Investigator initiated).

Andrew Maiorana

## Heart patients taking part in exercise study

While exercise has been shown to be good for you when you have coronary heart disease, researchers at Fiona Stanley hospital (FSH) want to find out which form of exercise is best for these patients.

FSH Head of Exercise Physiology and principal investigator, Andrew Maiorana, said they want to find the most effective ways to engage coronary patients in exercise.

“Exercise is really good for heart disease. If we can determine the best way to maintain good overall health and fitness, then we can encourage our cardiac patients to get moving,” Andrew said.

“We are comparing pool-based exercise, gym exercise and participants continuing their usual activity to compare the effects on fitness, strength, body composition, artery health, blood test results and brain blood flow,” he said.

Andrew said the study is recruiting patients over 18 years of age who have had a cardiac episode at least six months ago.

“We are recruiting people who have been diagnosed with coronary heart disease, with a previous heart attack, stent or coronary artery bypass graft surgery, who are willing to commit to a 12 week program,” he said.

77 year old former patient, Herbert Auchli, joined the study following a heart scare almost three years ago.

“I thought I had really bad indigestion. After a trip to the health clinic and an ambulance to FSH, I ended up having three stents inserted into a blocked artery,” he said.

Herbert has always been interested in research, so he jumped at the opportunity and encourages others to do the same.

“Research is an important part of our society. I am doing something for the community by doing something for myself and am really enjoying the program so far,” he said.

The study is in collaboration with FSH, Curtin University, The University of Western Australia and Royal Perth Hospital and is funded by the National Heart Foundation and the Spinnaker Foundation.



Herbert Auchli takes a break during his exercise program with Physiotherapist and Curtin University PhD student, Anna Scheer and FSH Head of Exercise Physiology and principal investigator, Andrew Maiorana.



# Cardiothoracic Surgery



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## Projects

### Title

### CPI

An enhanced database module: A multicentre, retrospective cohort study of valve surgery registry patients

Ian Gilfillan



## Publications

Skiba R, Merry C. **Coronary stent technology: a narrative review.** The Medical Journal of Australia. 2017;206(9):413.

Stamp N, Granger E, Larbalestier R. **Modern cardiac surgery: the future of cardiac surgery in Australia.** ANZ Journal of Surgery. 2017;87(9):661-4.

Stamp NL, Merry CJ. **Patch repair of anomalous origin of left anterior descending artery from the right coronary artery.** The Annals of Thoracic Surgery. 2017.

# Dermatology



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## Publications

Yap FHX, Chua HC, Tait CP. **Active sunscreen ingredients in Australia.** Australasian Journal of Dermatology. 2017;58(4):e160-e70.

Didan A, Donnelly A, Chua H. **An unusual presentation of pyoderma gangrenosum leading to systemic inflammatory response syndrome.** Case Reports in Dermatology. 2017;9(3):146-50.

Yap FHX, O'Sullivan N, Delaney TA. **Psoriasis aggravation due to capecitabine: a case study and review of the literature.** Australasian Journal of Dermatology. 2017.

Malhi HK, Didan A, Ponosh S, Kumarasinghe SP. **Painful leg ulceration in a poorly controlled hypertensive patient: a case report of martorell ulcer.** Case Rep Dermatol. 2017;9(1):95-102.

Hunt WTN, O'Sullivan N-A, Donnelly A. **Evaluation of Australian dermatological postoperative patient information leaflets: should we have a national checklist?** Australasian Journal of Dermatology. 2017(in press).

Chandran V, Kumarasinghe SP. **Ashy dermatosis or ashly dermatosis-like pigmentation caused by omeprazole?** International Journal of Dermatology. 2017;56(2):e29-e30.

Yap FHX, Kumarasinghe SP. **Brimonidine for treatment of telangiectasia of dermatomyositis.** Australasian Journal of Dermatology. 2017.

Jeffery T, Kumarasinghe P, Lam M. **Lichenified papules: An unusual cutaneous presentation of metastatic breast cancer.** Australasian Journal of Dermatology. 2017;58(4):320-1.

Chandran V, Kumarasinghe SP. **Macular pigmentation of uncertain aetiology revisited: two case reports and a proposed algorithm for clinical classification.** Australasian Journal of Dermatology. 2017;58(1):45-9.

Malhi HK, Tu J, Riley TV, Kumarasinghe SP, Hammer KA. **Tea tree oil gel for mild to moderate acne; a 12 week uncontrolled, open-label phase II pilot study.** Australasian Journal of Dermatology. 2017;58(3):205-10.

Swarbrick AW, Kumarasinghe SP. **Toxic shock syndrome: a dermatological emergency.** Australasian Journal of Dermatology. 2017;27:27.

## Endocrinology



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### Projects

Title	CPI
10 year longitudinal study of bone mineral density in patients with type 1 diabetes.	Emma Hamilton
A prospective, randomized, double-blind comparison of LY900014 to Insulin Lispro, both in combination with Insulin Glargine or Insulin Degludec in adults with type 2 diabetes.	Timothy Davis
Audit of Multidisciplinary Diabetic Foot Unit (MDFU) services at Fremantle and Fiona Stanley hospitals.	Emma Hamilton
Do patients with foot ulceration and type 2 diabetes have cognitive impairment and lower levels of self-care behaviour?	Emma Hamilton
Efficacy and safety of finerenone in subjects with Type 2 diabetes mellitus and the clinical diagnosis of diabetic kidney disease (Kidney Outcome Focus).	Timothy Davis
Hormones and men's health (epidemiological studies).	Bu Yeap

Hypoglycaemia in adults with diabetes: inpatient incidence and prevention using novel sensing technology.	Timothy Davis
Improving diabetes self-care in high risk patients.	Melanie Burkhardt
Medical versus surgical management of infective endocarditis in a Western Australia tertiary hospital setting.	Nick Lan
Prevalence of use of technology in patients with type 1 diabetes mellitus in patients at Rockingham General Hospital Outpatient Diabetes Service.	Ken Thong
Testosterone and exercise to improve vascular health in men (RCT).	Bu Yeap
Testosterone to prevent diabetes in men at high risk (RCT).	Bu Yeap
The fenofibrate and microvascular events in type 1 diabetes eye.	Timothy Davis



## Publications

Henze M, Alfonso H, Flicker L, George J, Chubb SAP, Hankey GJ, Almeida OP, Golledge J, Norman PE, Yeap BB. **Profile of diabetes in men aged 79-97 years: the Western Australian Health in Men Study.** Diabetic Medicine. 2017;34(6):786-93.

Chan YX, Alfonso H, Chubb SA, Handelsman DJ, Fegan PG, Hankey GJ, Golledge J, Flicker L, Yeap BB. **Higher dihydrotestosterone is associated with the incidence of lung cancer in older men.** Hormones and cancer. 2017;8(2):119-26.

Chan YX, Alfonso H, Chubb SA, Fegan PG, Hankey GJ, Golledge J, Flicker L, Yeap BB. **Higher thyrotropin concentration is associated with increased incidence of colorectal cancer in older men.** Clinical endocrinology. 2017;86(2):278-85.

Chan YX, Knuiiman MW, Divitini ML, Brown SJ, Walsh J, Yeap BB. **Lower TSH and higher free thyroxine predict incidence of prostate but not breast, colorectal or lung cancer.** European journal of endocrinology. 2017;177(4):297-308.

Badshah I, Chubb SAP, Davis WA, Davis TME. **Re: Subclinical thyroid dysfunction and mortality in type 2 diabetes.** Journal of diabetes and its complications. 2017;31(9):1474.

Benn K, Salman S, Page-Sharp M, Davis TME, BATTERY JP. **Bradycardia and hypothermia complicating azithromycin treatment.** American Journal of Case Reports. 2017;18:883-6.

Bringans SD, Ito J, Stoll T, Winfield K, Phillips M, Peters K, Davis WA, Davis TME, Lipscombe RJ. **Comprehensive mass spectrometry based biomarker discovery and validation platform as applied to diabetic kidney disease.** EuPA Open Proteomics. 2017;14:1-10.

Bruce DG, Davis WA, Davis TME. **Low serum HDL-cholesterol concentrations in mid-life predict late-life cognitive impairment in type 2 diabetes: the Fremantle Diabetes Study.** Journal of Diabetes and its Complications. 2017;31(6):945-7.

Callisaya ML, Daly RM, Sharman JE, Bruce D, Davis TME, Greenaway T, Nolan M, Beare R, Schultz MG, Phan T, Blizzard LC, Srikanth VK. **Feasibility of a multi-modal exercise program on cognition in older adults with type 2 diabetes – a pilot randomised controlled trial.** BMC Geriatr. 2017;17(1):237.

Clarke GM, Rockett K, Kivinen K, Hubbard C, Jeffreys AE., et. al. **Characterisation of the opposing effects of G6PD deficiency on cerebral malaria and severe malarial anaemia.** eLife. 2017;6 (no pagination)(e15085).

Daneshvar C, William T, Davis TME. **Clinical features and management of plasmodium knowlesi infections in humans.** Parasitology. 2017;1-14.

Davis TM, Makepeace AE, Ellard S, Colclough K, Peters K, Hattersley A, Davis WA. **The prevalence of monogenic diabetes in Australia: the Fremantle Diabetes Study Phase II.** The Medical Journal of Australia. 2017;207(8):344-7.

Davis TME, Badshah I, Drinkwater J, Kusich E, Latkovic E, Knuckey N. **Two-year audit of outcomes of pituitary surgery at an Australian teaching hospital.** Internal medicine journal. 2017;47(11):1248-55.

Davis TME, Chubb SAP, Curtis BH, Barraclough H, Davis WA. **Temporal changes in glycaemic thresholds for treatment intensification in type 2 diabetes in an urban Australian setting: the Fremantle Diabetes Study.** Internal Medicine Journal. 2017.

Davis TME, Davis WA, Jeffrey G. **Successful Withdrawal of Insulin Therapy After Post-Treatment Clearance of Hepatitis C Virus in a Man with Type 2 Diabetes.** The American journal of Case Reports. 2017;18:414-7.

Davis TME, Drinkwater J, Davis WA. **Proton pump inhibitors, nephropathy, and cardiovascular disease in type 2 diabetes: the Fremantle Diabetes Study.** J Clin Endocrinol Metab. 2017;102(8):2985-93.

Davis TME, Kauhanen J, Davis WA. **Pneumococcal vaccination and incident hospitalisation for pneumonia in type 2 diabetes: the Fremantle Diabetes Study Phase II.** Internal medicine journal. 2017;47(10):1206-10.

Gauci R, Hunter M, Bruce DG, Davis WA, Davis TME. **Anemia complicating type 2 diabetes: Prevalence, risk factors and prognosis.** Journal of diabetes and its complications. 2017;31(7):1169-74.

Hamilton E, Davis WA, Bruce DG, Davis TM. **Influence of Premature mortality on the link between type 2 diabetes and hip fracture: The Fremantle Diabetes Study.** J Clin Endocrinol Metab. 2017;102(2):551-9.

Hamilton EJ, Davis WA, Bruce DG, Davis TME. **Risk and associates of incident hip fracture in type 1 diabetes: The Fremantle Diabetes Study.** Diabetes Res Clin Pract. 2017;134:153-60.

Laman M, Greenhill A, Coombs GW, Robinson O, Pearson J, Davis TME, Manning L. **Methicillin-resistant staphylococcus aureus in Papua New Guinea: a community nasal colonization prevalence study.** Transactions of the Royal Society of Tropical Medicine and Hygiene. 2017;111(8):360-2.

Moore BR, Davis WA, Clarke PM, Robinson LJ, Laman M, Davis TME. **Cost-effectiveness of artemisinin-naphthoquine versus artemether-lumefantrine for the treatment of uncomplicated malaria in Papua New Guinean children.** Malaria Journal. 2017;16 (1) (no pagination)(438).

Page-Sharp M, Coward J, Moore BR, Salman S, Marshall L, Davis TME, Batty KT, Manning L. **Penicillin dried blood spot assay for use in patients receiving intramuscular Benzathine Penicillin G and other Penicillin preparations to prevent Rheumatic Fever.** Antimicrobial agents and chemotherapy. 2017;61(8).

Peters KE, Davis WA, Ito J, Winfield K, Stoll T, Bringans SD, Lipscombe RJ, Davis TME. **Identification of novel circulating biomarkers predicting rapid decline in renal function in type 2 diabetes: the Fremantle Diabetes Study Phase II.** Diabetes Care. 2017;40(11):1548-55.

Peters KE, Davis WA, Taddei K, Martins RN, Masters CL, Davis TM, Bruce DG. **Plasma amyloid-beta peptides in type 2 diabetes: a matched case-control study.** Journal of Alzheimer's Disease. 2017;56(3):1127-33.

Salman S, Baiwog F, Page-Sharp M, Griffin S, Karunajeewa HA, Mueller I, Rogerson SJ, Siba PM, Ilett KF, Davis TME. **Optimal antimalarial dose regimens for sulfadoxine-pyrimethamine with or without azithromycin in pregnancy based on population pharmacokinetic modeling.** Antimicrobial agents and chemotherapy. 2017;61(5) (no pagination)(e02291).

Salman S, Baiwog F, Page-Sharp M, Kose K, Karunajeewa HA, Mueller I, Rogerson SJ, Siba PM, Ilett KF, Davis TME. **Optimal antimalarial dose regimens for chloroquine in pregnancy based on population pharmacokinetic modelling.** International Journal of Antimicrobial Agents. 2017;50(4):542-51.

Salman S, Davis TME. **Regarding “Lactation Status and Studies of Pyrimethamine Pharmacokinetics in Pregnancy”.** CPT: pharmacometrics and systems pharmacology. 2017;6(11):730.

Sommer J, Brenann-Jones CG, Eikelboom RH, Hunter M, Davis WA, Atlas MD, Davis TME. **A population-based study of the association between dysglycaemia and hearing loss in middle age.** Diabetic medicine : a journal of the British Diabetic Association. 2017;34(5):683-90.

Sommer J, Brenann-Jones CG, Eikelboom RH, Hunter M, Davis WA, Atlas MD, Davis TME.

**Erratum to: A population-based study of the association between dysglycaemia and hearing loss in middle age (Diabetic Medicine, (2017), 34, 5, (683-690), 10.1111/dme.13320).** Diabetic Medicine. 2017;34(10):1488.

Sugiarto SR, Davis TME, Salman S. **Pharmacokinetic considerations for use of artemisinin-based combination therapies against falciparum malaria in different ethnic populations.** Expert opinion on drug metabolism and toxicology. 2017;13(11):1115-33.

Thompson PL, Davis TME. **Cardiovascular Effects of Glucose-lowering Therapies for Type 2 Diabetes: New Drugs in Perspective.** Clinical therapeutics. 2017;39(5):1012-25.

Whitworth SR, Bruce DG, Starkstein SE, Davis WA, Davis TME, Skinner TC, Bucks RS. **Depression symptoms are persistent in Type 2 diabetes: risk factors and outcomes of 5-year depression trajectories using latent class growth analysis.** Diabetic Medicine. 2017;34(8):1108-15.

Yeap BB, Davis WA, Peters K, Hamilton EJ, Rakic V, Paul Chubb SA, Davis TME. **Circulating osteocalcin is unrelated to glucose homeostasis in adults with type 1 diabetes.** Journal of diabetes and its complications. 2017;31(6):948-51.





## Projects

Title	CPI / PI
A Multi-Center, Open Label Study to Assess the Safety, Steady-State Pharmacokinetics and Pharmacodynamics of IMG-7289 in Patients with Myelofibrosis.	Julian Cooney
A Multi-Center, Open Label Study to Assess the Safety, Steady-State Pharmacokinetics and Pharmacodynamics of IMG-7289 with and without ATRA (Tretinoin) in Patients with Advanced Myeloid Malignancies.	Julian Cooney
A Multicenter, Randomized, Double-blind, Placebo-controlled Phase 3 Study of the Bruton's Tyrosine Kinase (BTK) Inhibitor, Ibrutinib, in Combination with Rituximab versus Placebo in Combination with Rituximab in Treatment Naïve Subjects with Follicular Lymphoma.	Paul Cannell
A Phase 1b Study Evaluating the Safety, Tolerability, Pharmacokinetics and Efficacy of Oprozomib in Combination with Pomalidomide and Dexamethasone in Subjects with Relapsed or Refractory Multiple Myeloma.	Paul Cannell
A Phase 1b/3 Randomized Open Label Study Investigating the Safety and Efficacy of Blinatumomab in combination with Pembrolizumab Versus Standard of Care Chemotherapy in Adult Subjects with Relapsed or Refractory Diffuse Large B-Cell Lymphoma (DLBCL).	Paul Cannell
A Phase 2, Multicenter, International, Open-Label, Safety and Efficacy Study of INCB050465 in Subjects With Relapsed or Refractory Diffuse Large B-Cell Lymphoma.	Paul Cannell
A Phase 2/3 Multi-Center Study to Evaluate the Safety and Efficacy of Blinatumomab in Subjects with Relapsed/Refractory Aggressive B-Cell Non Hodgkin Lymphoma.	Paul Cannell
A Phase 3 Randomized, Multicenter Study of Subcutaneous vs. Intravenous Administration of Daratumumab in Subjects With Relapsed or Refractory Multiple Myeloma.	Matthew Wright

A Phase 3 trial of thalidomide-dexamethasone consolidation versus thalidomide-dexamethasone-lxazomib consolidation for transplant eligible multiple myeloma patients undergoing a single ASCT as part of front-line therapy .	Duncan Purtill
A Phase 3, Double-Blind, Placebo-Controlled Study of Quizartinib (AC220) Administered in Combination with Induction and Consolidation Chemotherapy, and Administered as Maintenance Therapy in Subjects 18 to 75 years old with newly diagnosed FLT3-ITD (+) Ac.	Paul Cannell
A Phase 3, Double-Blind, Placebo-controlled Study of Quizartinib (AC220) Administered in Combination with Induction and Consolidation Chemotherapy, and Administered as Maintenance Therapy in Subjects 18 to 75 years old with Newly Diagnosed FLT3-ITD (+) Acute Myeloid Leukemia (QuANTUM-First).	Paul Cannell
A phase 3, multi-center open-label randomized study of oral ABL001 versus bosutinib in patients with Chronic Myelogenous Leukemia in chronic phase (CML-CP), previously treated with 2 or more tyrosine kinase inhibitors.	Matthew Wright
A Phase 3, Multicenter, Randomized, Double Blind Study of Bortezomib and Dexamethasone in Combination with Either Venetoclax or Placebo in Subjects with Relapsed or Refractory Multiple Myeloma Who are Sensitive or Naïve to Proteasome Inhibitors.	Paul Cannell
A Phase 3, Randomized open label trial of Lenalidomide/ Dexamethasone with or without Elotuzumab in subjects with previously untreated Multiple Myeloma.	Matthew Wright
A phase 3, randomized, double-blind, placebo-controlled study to compare efficacy and safety of oral azacitidine plus best supportive care versus best supportive care as maintenance therapy in subjects with acute myeloid leukaemia in complete remission (Quazar).	Matthew Wright
A Phase 3, Randomized, Double-blind, Placebo-controlled, Multicenter Study of BR alone Versus in Combination with Acalabrutinib (ACP-196) in Subjects with Previously Untreated Mantle Cell Lymphoma (ACE-LY-308).	Paul Cannell
A Phase 3, Randomized, Double-blind, Placebo-controlled, Multicenter Study of BR alone Versus in Combination with Acalabrutinib (ACP-196) in Subjects with Previously Untreated Mantle Cell Lymphoma.	Paul Cannell

A Phase 3, Randomized, Open Label Trial of Lenalidomide/ dexamethasone With or Without Elotuzumab in Relapsed or Refractory Multiple Myeloma.	Matthew Wright
A Phase II Trial of an intensive Pediatric Protocol incorporating Post induction stratification based on minimal residual disease levels for the treatment of adolescents aged 15 years and above, and young adults aged up to 40 years with newly diagnosed acute lymphoblastic leukaemia (ALL).	Matthew Wright
A Phase III Open Label, Multicenter, Extension Study to Assess the Safety and Efficacy of Recombinant Coagulation Factor VIII (rVIII-SingleChain, CSL627) in Subjects with Severe Hemophilia A.	Stephanie P'Ng
A Phase III randomized open-label multi-center study of ruxolitinib versus best available therapy in patients with corticosteroid-refractory acute graft vs. host disease after allogeneic stem cell transplantation.	Duncan Purtill
A Post-Marketing Safety Study to Evaluate the Occurrence of Aseptic Meningitis Syndrome (AMS) in an Adult Population (>18 Years) Treated with Doses of = 1g/kg Intragam® 10 NF.	Stephanie P'Ng
A randomised controlled feasibility trial comparing the efficacy of prophylactic intravenous immunoglobulin with prophylactic antibiotics in patients with acquired hypogammaglobulinemia secondary to haematological malignancies	Dominic Pepperell
A Randomized, Double-Blind Phase 3 Study of Ibrutinib in Combination With Corticosteroids versus Placebo in Combination With Corticosteroids in Subjects with New Onset Chronic Graft Versus Host Disease (cGVHD).	Julian Cooney
A Randomized, Double-Blind Study Evaluating the Efficacy, Safety and Immunogenicity of ABP 798 Compared with Rituximab in Subjects with CD20 Positive B-Cell Non-Hodgkin Lymphoma.	Paul Cannell
A Randomized, Double-Blind Study Evaluating the Efficacy, Safety and Immunogenicity of ABP 798 Compared with Rituximab in Subjects with CD20 Positive B-Cell Non-Hodgkin Lymphoma.	Paul Cannell
A Randomized, Double-Blind, Placebo Controlled Study of Venetoclax Co-Administered with Low Dose Cytarabine Versus Low Dose Cytarabine in Treatment Naïve Patients with Acute Myeloid Leukemia Who Are Ineligible for Intensive Chemotherapy.	Paul Cannell
A Randomized, Multicenter, Open-Label, Phase 3 Study of Acalabrutinib (ACP-196) Versus Investigator's Choice of Either Idelalisib Plus Rituximab or Bendamustine Plus Rituximab in Subjects with Relapsed or Refractory Chronic Lymphocytic Leukemia.	Paul Cannell

A Randomized, Open-Label Study to Evaluate the Pharmacokinetics and Safety of Recombinant Factor VIII Fc Fusion Protein (rFVIII-Fc; BII031) Manufactured at 15K Scale and at Different Vial Strengths in Previously Treated Subjects With Severe Hemophilia A – Protocol 997HA309.	Stephanie P'Ng
A Randomized, Open-label, Phase 3 Trial of A+AVD Versus ABVD as Frontline Therapy in Patients With Advanced Classical Hodgkin Lymphoma.	Paul Cannell
A Single-Arm Multicenter Phase IIIb Clinical Trial to Evaluate the Safety and Tolerability of Prophylactic Efficizumab in Hemophilia A patients with Inhibitors.	Stephanie P'Ng
ADVATE HEMOPHILIA A OUTCOME DATABASE (AHEAD). A phase 3 prospective, multicenter study to evaluate efficacy and safety of rVWF with or without advate in elective surgical procedures in subjects with severe von Willebrand disease.	Stephanie P'Ng
Aplastic Anaemia (AA) Registry	Stephanie P'Ng
ASPIRE: An Open-Label, Multicenter Evaluation of the Long-Term Safety and Efficacy of Recombinant Human Coagulation Factor VIII Fusion Protein (rFVIII-Fc) in the Prevention and Treatment of Bleeding Episodes in Previously Treated Subjects With Haemophilia A.	Stephanie P'Ng
Australasian Leukaemia and Lymphoma Group National Blood Cancer Registry.	Duncan Purtill
Australian Bleeding Disorders Registry (ABDR).	Stephanie P'Ng
BYOND: An Open-Label, Multicenter Evaluation of the Long-Term Safety and Efficacy of Recombinant Human Coagulation Factor IX Fusion Protein (rFIX-Fc) in the Prevention and Treatment of Bleeding Episodes in Previously Treated Subjects With Haemophilia B.	Stephanie P'Ng
CHRONOS-4: A Phase III, randomized, double-blind, controlled, multicenter study of intravenous PI3K inhibitor copanlisib in combination with standard immunochemotherapy versus standard immunochemotherapy in patients with relapsed indolent non-Hodgkin's lymphoma (iNHL).	Paul Cannell
ENDEAVOUR: A Randomized, Open-label, Phase 3 Study of Carfilzomib Plus Dexamethasone vs. Bortezomib Plus Dexamethasone in Patients with Relapsed Multiple Myeloma.	Julian Cooney

GALLIUM: A Multicentre, Phase III, open-label, randomized study in previously untreated patients with advanced indolent non-Hodgkin's lymphoma evaluating the benefit of GA101 (RO5072759) plus chemotherapy compared with Rituximab plus chemotherapy followed by GA101 Rituximab maintenance therapy in responders.	Paul Cannell
GOYA: A Phase III, multicenter, open-label, randomised trial comparing the efficacy of GA101 (RO5072759) in combination with CHOP (G-CHOP) versus rituximab and CHOP (R-CHOP) in previously untreated patients with CD20-positive diffuse large B-cell lymphoma (DLBCL).	Paul Cannell
Lymphoma and Related Diseases Registry	Dustin Hall
Massive Transfusion Registry (MTR)	Annette Le Vielez
Mesenchymal stromal cell therapy for acute graft versus host disease.	Duncan Purtill
Multicenter, Open Label, Phase 3 Trial of Allogeneic Epstein-Barr Virus Cytotoxic T Lymphocytes (EBV-CTLs) for Solid Organ Transplant (SOT) Patients with EBV-Associated Post Transplant Lymphoproliferative Disease (EBV-PTLD) after Failure of Rituximab or Rituximab and Chemotherapy.	Duncan Purtill
Multicenter, Open-Label, Phase 3 Trial of Allogeneic Epstein-Barr Virus Cytotoxic T Lymphocytes (EBV-CTLs) for Allogeneic Hematopoietic Cell Transplant (alloHCT) Patients with EBV-Associated PostTransplant Lymphoproliferative Disease (EBV-PTLD) after Failure of Rituximab.	Duncan Purtill
NHL29: A Phase II Study of Ibrutinib, Rituximab and mini-CHOP therapy in very elderly patients with newly diagnosed DLBCL.	Duncan Purtill
Prospective Observational Study on Perioperative anticoagulation management with the Novel Oral Anticoagulant Drugs Dabigatran, Rivaroxaban and Apixaban.	Stephanie P'Ng
Prospective Study Assessing the Incidence of Hypokalaemia in Haematological Patients Receiving Posaconazole Anti-Fungal Prophylaxis as Part of their Standard Treatment Regimen.	Matthew Wright
The Charles Day Tissue Bank.	Duncan Purtill
The Implementation, User Testing and Validation of the Web-based Application for the Population Pharmacokinetic Service – Hemophilia (WAPPS-HEMO) – Phase 2.	Stephanie P'Ng



## Publications

Leahy MF, Hofmann A, Towler S, Trentino KM, Burrows SA, Swain SG, Hamdorf J, Gallagher T, Koay A, Geelhoed GC, Farmer SL. **Improved outcomes and reduced costs associated with a health-system-wide patient blood management program: a retrospective observational study in four major adult tertiary-care hospitals.** *Transfusion*. 2017;57(6):1347-58.

Polistena P, Tran Q, Cirillo M, O'Sullivan M, Purtill D. Etoposide phosphate hypersensitivity overcome using a desensitisation programme enabling optimal therapy for relapsed Hodgkin lymphoma. *Bone Marrow Transplantation*. 2017;52(3):455-6.

Bradstock KF, Link E, Iulio JD, Szer J, Marlton P, Wei AH, Enno A, Schwarzer A, Lewis ID, D'Rozario J, Coyle L, Cull G, Campbell P, Leahy MF, Hahn U, Cannell P, Tiley C, Lowenthal RM, Moore J, Cartwright K, Cunningham I, Taper J, Grigg A, Roberts AW, Benson W, Hertzberg M, Deveridge S, Rowlings P, Mills AK, Gill D, Bardy P, Campbell L, Seymour JF. **Idarubicin dose escalation during consolidation therapy for adult acute myeloid leukemia.** *Journal of Clinical Oncology*. 2017;35(15):1678-85.

Leahy MF, Trentino KM, May C, Swain SG, Chuah H, Farmer SL. **Blood use in patients receiving intensive chemotherapy for acute leukemia or hematopoietic stem cell transplantation: the impact of a health system-wide patient blood management program.** *Transfusion*. 2017;57(9):2189-96.

Gallagher T, Leahy MF, Darby S, Campbell L, Howman R, Watts S, Vodanovich M, Tovey J, Esson A, Koay A. **Assembling a state-wide patient blood management program as a standard of care: the Western Australian experience.** *Isbt Science Series*. 2017;12(3):365-74.

Quach H, Fernyhough L, Henderson R, Corbett G, Baker B, Browett P, Blacklock H, Forsyth C, Underhill C, Cannell P, Trotman J, Neylon A, Harrison S, Link E, Swern A, Cowan L, Dimopoulos MA, Miles Prince H. **Upfront lower dose lenalidomide is less toxic and does not compromise efficacy for vulnerable patients with relapsed refractory multiple myeloma: final analysis of the phase II RevLite study.** *British Journal of Haematology*. 2017;177(3):441-8.

Van Gelder M, De Wreede LC, Bornhauser M, Karas M, Anderson NS, et. al. **Long-term survival of patients with CLL after allogeneic transplantation: A report from the European Society for Blood and Marrow Transplantation.** *Bone Marrow Transplantation*. 2017;52(3):372-80.

Hiddemann W, Barbui AM, Albendea MAC, Cannell PK, Collins GP, Durig J, Forstpointner R, Herold M, Hertzberg M, Klanova M, Radford JA, Tobinai K, Burciu A, Fingerle-Rowson GR, Nielsen T, Wolbers M, Marcus RE. **Immunochemotherapy with obinutuzumab or rituximab in previously untreated follicular lymphoma in the randomized phase iii gallium study: Analysis by chemotherapy regimen.** *Haematologica*. 2017;102:314-.

Bentel JM, Thomas MA, Rodgers JJ, Arooj M, Gray E, Allcock R, Fermoye S, Mancera RL, Cannell P, Parry J. **Erdheim-Chester disease associated with a novel, complex BRAF p.Thr599\_Val600delinsArgGlu mutation.** *BMJ case reports*. 2017;2017.

Host L, Nikpour M, Calderone A, Cannell P, Roddy J. **Autologous stem cell transplantation in systemic sclerosis: A systematic review.** *Clinical and Experimental Rheumatology*. 2017;35(Supplement106):S198-S207.

Barracough AA, Cheah CY. **Three different hematologists, three different answers: how should we treat concurrent systemic and central nervous system lymphoma?** *Leukemia and lymphoma*. 2017;58(9):1-3.

Hiwase D, Tan P, D’Rozario J, Taper J, Powell A, Irving I, Wright M, Branford S, Yeung DT, Anderson L, Gervasio O, Levetan C, Roberts W, Solterbeck A, Traficante R, Hughes T. **Efficacy and safety of nilotinib 300mg twice daily in patients with chronic myeloid leukemia in chronic phase who are intolerant to prior tyrosine kinase inhibitors: Results from the Phase IIIb ENESTswift study.** Leukemia research. 2018;67:109-15.

Cooney, J. **The role of allograft in acute lymphoblastic leukaemia, including alternate donors.** EMJ Hematol. 2017;5[1]:87-94.

## Immunology



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### Projects

Title	CPI/PI
Impact of haematopoietic stem cell transplantation on HIV viral reservoirs in patients on combination antiretroviral therapy	Lloyd Dorsogna
Safety and Efficacy of Immune Checkpoint Inhibitors	Jack Bourke
The Promoting Introduction to Prevent Peanut Allergy Project	Michael O’Sullivan



### Publications

Almeida CA, van Miert P, O’Driscoll K, Zoet YM, Chopra A, Watson M, de Santis D, Witt C, John M, Claas FHJ, D’Orsogna LJ. **Stimulation of HIV-specific T cell clonotypes using allogeneic HLA.** Cellular Immunology. 2017;316:32-40.

D’Orsogna L, van den Heuvel H, van Kooten C, Heidt S, Claas FHJ. **Infectious pathogens may trigger specific allo-HLA reactivity via multiple mechanisms.** Immunogenetics. 2017;69(8-9):631-41.

Ferrari P, Cantwell L, Ta J, Woodroffe C, D’Orsogna L, Holdsworth R. **Providing better-matched donors for HLA mismatched compatible pairs through kidney paired donation.** Transplantation. 2017;101(3):642-8.

Benwell N, Boan P, Raby E, McGettigan B. **False positive hepatitis B virus core and surface antibodies due to intravenous immunoglobulin.** Internal Medicine Journal. 2017;47(1):119-20.

Farquhar HJ, McGettigan B, Chapman PT, O'Donnell JL, Frampton C, Stamp LK. **Incidence of anti-neutrophil cytoplasmic antibody-associated vasculitis before and after the February 2011 Christchurch Earthquake.** Internal Medicine Journal. 2017;47(1):57-61.

Thompson G, Pepperell D, Lawrence I, McGettigan BD. **Crohn's disease complicated by Epstein-Barr virus-driven haemophagocytic lymphohistiocytosis successfully treated with rituximab.** BMJ Case Reports. 2017;2017 (bcr-2016-218578):no pagination.

## Infectious Diseases



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### Publications

Lora-Tamayo J, Senneville E, Ribera A, Bernard L, Dupon M, et. al. **The not-so-good prognosis of streptococcal periprosthetic joint infection managed by implant retention: The results of a large multicenter study.** Clinical Infectious Diseases. 2017;64(12):1742-52.

Chubb SA, Byrnes E, Manning L, Golledge J, Ebeling PR, Flicker L, Yeap BB, Vasikaran SD. **Bone turnover markers: Defining a therapeutic target.** Clinical biochemistry. 2017;50(3):162-3.

Yeap BB, Manning L, Chubb SA, Hankey GJ, Golledge J, Almeida OP, Flicker L. **Reference Ranges for Thyroid-Stimulating Hormone and Free Thyroxine in Older Men: Results From the Health In Men Study.** The journals of gerontology Series A, Biological sciences and medical sciences. 2017;72(3):444-9.

Speers DJ, Chua IJ, Manuel J, Marshall L. **Detection of Neisseria gonorrhoeae and Chlamydia trachomatis from pooled rectal, pharyngeal and urine specimens in men who have sex with men.** Sex Transm Infect. 2017;24:24.

Chow EPF, Wigan R, McNulty A, Bell C, Johnson M, Marshall L, Regan DG, Owen L, Brotherton JML, Bradshaw CS, Fairley CK, Russell D, Chen MY. **Early sexual experiences of teenage heterosexual males in Australia: A cross-sectional survey.** BMJ Open. 2017;7(10):e016779.

Machalek DA, Chow EP, Garland SM, Wigan R, Cornall AM, Fairley CK, Kaldor JM, Hocking JS, Williams H, McNulty A, Bell C, Marshall L, Ooi C, Chen MY, Tabrizi SN. **Human Papillomavirus Prevalence in Unvaccinated Heterosexual Men After a National Female Vaccination Program.** Journal of infectious diseases. 2017;215(2):202-8.





## Projects

Title	CPI
A double-blind, placebo-controlled, randomized Phase III study of lpatasertib in combination with paclitaxel as a treatment for patients with pik3ca/akt1/pten-altered, locally advanced or metastatic, triple-negative breast cancer or hormone receptor– positive, her2-negative breast cancer.	Hilary Martin
A Phase 1b Study of Talimogene Laherparepvec in Combination With Atezolizumab in Subjects With Triple Negative Breast Cancer and Colorectal Cancer With Liver Metastases.	Adnan Khattak
A phase iii randomized study to investigate the efficacy and safety of Atezolizumab (anti-pd-I1 antibody) in combination with neoadjuvant anthracycline/nab-paclitaxel-based chemotherapy compared with placebo and chemotherapy in patients with primary invasive triple-negative breast cancer.	Hilary Martin
A Phase III, Double-Blinded, Randomized, Placebo-Controlled Study of Atezolizumab Plus Cobimetinib and Vemurafenib versus Placebo Plus Cobimetinib and Vemurafenib in Previously Untreated BRAFV600 Mutation–Positive Patients with Unresectable Locally Advanc	Adnan Khattak
A Phase III, openlabel, multicenter, twoarm, randomized study to investigate the efficacy and safety of Cobimetinib plus Atezolizumab versus Pembrolizumab in patients with previously untreated advanced brafv600 wildtype melanoma	Adnan Khattak
A Phase III, Randomized, Double-Blind, Placebo-Controlled Clinical Trial of Pembrolizumab (MK-3475) as Monotherapy in the Adjuvant Treatment of Renal Cell Carcinoma Post Nephrectomy (KEYNOTE-564)	Thomas Ferguson
A Randomized, Double-blind, Phase 2 Trial to Assess Safety and Efficacy of Lenvatinib at Two Different Starting Doses (18 mg vs. 14 mg QD) in Combination with Everolimus (5 mg QD) in Renal Cell Carcinoma Following One Prior VEGF-Targeted Treatment	Simon Troon
A5481037 – A study of palbociclib in combination with letrozole as treatment of post-menopausal women with hormone receptor-positive, HER2-negative advanced breast cancer for whom letrozole therapy is deemed appropriate. Protocol A5481037	Andrew Redfern

Assessment of effectiveness and side effects following peptide receptor radionuclide therapy for neuroendocrine tumours.	David Ransom
B9991001 A Phase 3, Multicenter, Multinational, Randomized, Open-Label, Parallel-Arm Study of Avelumab (MSB0010718C) Plus Best Supportive Care Versus Best Supportive Care Alone as a Maintenance Treatment in Patients with Locally Advanced or Metastatic Urothelial Cancer Whose Disease Did Not Progress After Completion of First-Line Platinum-Containing Chemotherapy	Simon Troon
B9991003 A Phase 3, Multinational, Randomized, Open-Label, Parallel-Arm Study of Avelumab (MSB0010718C) in Combination with Axitinib (INLYTA®) Versus Sunitinib (SUTENT®) Monotherapy in the First-Line Treatment of Patients with Advanced Renal Cell Carcinoma	Simon Troon
BL.12 – A multicentre randomized phase II trial comparing nab-paclitaxel to paclitaxel in patients with advanced urothelial cancer progressing on or after a platinum-containing regimen. (EC Reg 2014-151 Protocol No: NCIC CTG BL.12)	Thomas Ferguson
BR.31 – A Phase III Prospective Double Blind Placebo Controlled Randomised Study of Adjuvant MEDI4736 in Completely Resected Non-Small Cell Lung Cancer. Protocol No: BR.31	Sankha Mitra
CHALLENGE A Phase III open-label, multicenter trial of maintenance therapy with avelumab (MSB0010718C) versus continuation of first-line chemotherapy in subjects with unresectable, locally advanced or metastatic adenocarcinoma of the stomach, or of the gastro-esophageal junction	Thomas Ferguson
CheckMate 227 – An Open-Label, Randomized Phase 3 Trial of Nivolumab versus platinum doublet chemotherapy and Nivolumab plus Ipilimumab versus platinum doublet chemotherapy in Subjects with Chemotherapy-Naïve Stage IV or Recurrent Non-Small Cell Lung Cancer (NSCLC). Protocol BMS No. CA209-227	Adnan Khattak
CheckMate 331 – An Open-label, Randomized, Phase 3 Study of Nivolumab or Chemotherapy in Subjects with Relapsed Small-cell Lung Cancer after Platinum-based First Line Chemotherapy. Protocol No: CA209-331	Adnan Khattak
CheckMate 401 – A Phase 3b Clinical Trial of Nivolumab (BMS-936558) Combined with Ipilimumab Followed by Nivolumab Monotherapy as First-Line Therapy of Subjects with Histologically Confirmed Stage III (Unresectable) or Stage IV Melanoma. Protocol CA209-401.	Andrew Maiorana
Circulating Tumour DNA Analysis Informing Adjuvant Chemotherapy in Stage II Colon Cancer (DYNAMIC)	Adnan Khattak
CONTROL NETS Two non-comparative parallel group phase II randomised open label trials of Capecitabine ON Temozolomide Radionuclide therapy Octreotate Lutetium-177 NeuroEndocrine Tumours Study	David Ransom

DEFINING NETs – Defining the supportive care needs and psychological morbidity of patients with Functioning versus Non-Functioning Neuroendocrine Tumours (NETs).	David Ransom
ElevatiON CRC 101 Phase Ib study of PDR001 in combination with regorafenib in adult patients with previously treated metastatic microsatellite stable (MSS) colorectal cancer	Adnan Khattak
ELIMINATE – Randomised phase II trial of neoadjuvant chemotherapy +/- concurrent aromatase inhibitor endocrine therapy to down-stage large oestrogen receptor positive breast cancer. Protocol ANZ 1401	Andrew Redfern
EMBARK A Phase 3, Randomized, Efficacy and Safety Study of Enzalutamide Plus Leuprolide, Enzalutamide Monotherapy, and Placebo Plus Leuprolide in Men With High-Risk Nonmetastatic Prostate Cancer Progressing After Definitive Therapy	Thomas Ferguson
EMBRACA – A Phase 3, Open-Label, Randomized, Parallel, 2-Arm, Multi-Center Study of Talazoparib (BMN 673) versus Physician’s Choice in Germline BRCA Mutation Subjects with Locally Advanced and/or Metastatic Breast Cancer, Who Have Received Prior Chemotherapy Regimens for Metastatic Disease. Protocol 673-301	Hilary Martin
ENZAMET – Randomised phase 3 trial of enzalutamide in first line androgen deprivation therapy for metastatic prostate cancer.	Simon Troon
JAVELIN Gastric 100 A Phase III open-label, multicenter trial of maintenance therapy with avelumab (MSB0010718C) versus continuation of first-line chemotherapy in subjects with unresectable, locally advanced or metastatic adenocarcinoma of the stomach, or of the gastro-esophageal junction	David Ransom
JAVELIN Gastric 300 – A Phase III open-label, multicenter trial of avelumab (MSB0010718C) as a third-line treatment of unresectable, recurrent, or metastatic gastric or gastroesophageal junction adenocarcinoma. Protocol EMR100070-008	Andrew Kiberu
JAVELIN Lung 100 – A Phase III, open-label, multicenter trial of avelumab (MSB0010718C) versus platinum-based doublet as a first-line treatment of recurrent or Stage IV PD-L1+ non–small-cell lung cancer. Protocol EMR 100070-005	Sankha Mitra
MASTERKEY-265 – A Phase 1b/3, Multicenter, Trial of Talimogene Laherparepvec in Combination With Pembrolizumab (MK-3475) for Treatment of Unresectable Stage IIIB to IVM1c Melanoma. Amgen Protocol No. 20110265	Adnan Khattak
NABNEC – A Randomised Phase II Study of nab-paclitaxel In Combination with Carboplatin as First Line Treatment of Gastrointestinal Neuroendocrine Carcinomas	David Ransom

NIVORAD – A randomised phase 2 trial of nivolumab and stereotactic ablative body radiotherapy in advanced non-small cell lung cancer, progressing after first or second line chemotherapy	Sankha Mitra
P3BEP Phase 3 Accelerated BEP Trial: A randomised phase 3 trial of accelerated versus standard BEP chemotherapy for patients with Intermediate and poor-risk metastatic germ cell tumours	Simon Troon
PALLAS – PALbociclib CoLLaborative Adjuvant Study: A randomized phase III trial of Palbociclib with standard adjuvant endocrine therapy versus standard adjuvant endocrine therapy alone for hormone receptor positive (HR+)/human epidermal growth factor r	Andrew Redfern
Penelope B Phase III study evaluating palbociclib (PD-0332991), a Cyclin-Dependent Kinase (CDK) 4/6 Inhibitor in patients with hormone receptor positive, HER2 normal primary breast cancer with high relapse risk after neoadjuvant chemotherapy	Andrew Redfern
Randomized Blinded Phase 3 Assessment of Second-or Third Line Chemotherapy with Docetaxel + Plinabulin Compared to Docetaxel + Placebo in Patients with Advanced Non-Small Cell Lung Cancer with at Least 1 Large Lung Lesion (DUBLIN-3).	Andrew Kiberu
TACTI-mel (Two ACTIVE Immunotherapeutics in Melanoma): A multicentre, open label, dose escalation, Phase 1 study in patients with unresectable or metastatic melanoma receiving IMP321 (LAG-3Ig fusion protein) as an adjunctive therapy to anti-PD-1 therapy with pembrolizumab. Protocol No. IMP321-P012.	Adnan Khattak
TRAP – A Phase I, open-label, multiple-ascending dose trial to investigate the safety, tolerability, pharmacokinetics, biological and clinical activity of MSB0011359C in subjects with metastatic or locally advanced solid tumours and expansion to selected indications. Protocol No. EMR 200647-001	Adnan Khattak
Treatment of Recurrent and Advanced Metastatic Colorectal Cancer (TRACC): A prospective multi-site registry	Adnan Khattak



## Publications

Wasan HS, Sharma NK, Francis A, Moschandreas J, Virdee PS, et. al. **First-line selective internal radiotherapy plus chemotherapy versus chemotherapy alone in patients with liver metastases from colorectal cancer (FOXFIRE, SIRFLOX, and FOXFIRE-Global): a combined analysis of three multicentre, randomised, phase 3 trials.** *The Lancet Oncology.* 2017;18(9):1159-71.

Hart NH, Newton RU, Spry NA, Taaffe DR, Chambers SK, Feeney KT, Joseph DJ, Redfern AD, Ferguson T, Galvao DA. **Can exercise suppress tumour growth in advanced prostate cancer patients with sclerotic bone metastases? A randomised, controlled study protocol examining feasibility, safety and efficacy.** *BMJ Open.* 2017;7(5):e014458.

McEvoy AC, Calapre L, Pereira MR, Giardina T, Robinson C, Khattak MA, Meniawy TM, Pritchard AL, Hayward NK, Amanuel B, Millward M, Ziman M, Gray ES. **Sensitive droplet digital PCR method for detection of TERT promoter mutations in cell free DNA from patients with metastatic melanoma.** *Oncotarget.* 2017;8(45):78890-900.

Bui J, Ardakani NM, Tan I, Crocker A, Khattak MA, Wood BA. **Metastatic Cellular Blue Nevus: A Rare Case with Metastasis beyond Regional Nodes.** *American Journal of Dermatopathology.* 2017;39(8):618-21.

Aya-Bonilla CA, Marsavela G, Freeman JB, Lomma C, Frank MH, Khattak MA, Meniawy TM, Millward M, Warkiani ME, Gray ES, Ziman M. **Isolation and detection of circulating tumour cells from metastatic melanoma patients using a slanted spiral microfluidic device.** *Oncotarget.* 2017;8(40):67355-68.

Ataseven B, Azim HA, Al-Sakaff N, Lauer S, Shing M, et.al. **Safety and tolerability of subcutaneous trastuzumab for the adjuvant treatment of human epidermal growth factor receptor 2-positive early breast cancer: SafeHer phase III study's primary analysis of 2573 patients.** *European Journal of Cancer.* 2017;82:237-46.

Shawky MS, Martin H, Hugo HJ, Lloyd T, Britt KL, Redfern A, Thompson EW. **Mammographic density: a potential monitoring biomarker for adjuvant and preventative breast cancer endocrine therapies.** *Oncotarget.* 2017;8(3):5578-91.



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## Publications

Chapman B, Slavin M, Marriott D, Halliday C, Kidd S, et. al. **Changing epidemiology of candidaemia in Australia.** Journal of Antimicrobial Chemotherapy. 2017;72(4):1103-8.

Slavova-Azmanova N, Haddow L, Hohnen H, Coombs G, Robinson JO, Ives A. **Admissions for antibiotic-resistant infections in cancer patients during first year of cancer diagnosis: a cross-sectional study.** Internal Medicine Journal. 2017;47(11):1306-10.

Buultjens AH, Lam MM, Ballard S, Monk IR, Mahony AA, Grabsch EA, Grayson ML, Pang S, Coombs GW, Robinson JO, Seemann T, Johnson PD, Howden BP, Stinear TP. **Evolutionary origins of the emergent ST796 clone of vancomycin resistant Enterococcus faecium.** PeerJ. 2017;5:e2916.

Tan SJ, Ingram PR, Rothnie AJ, Whitmore TJ, Robinson JO, Hatch JB, Italiano CM, Heath CH. **Successful outpatient parenteral antibiotic therapy delivery via telemedicine.** Journal of Antimicrobial Chemotherapy. 2017;72(10):2898-901.

# Nephrology



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## Projects

Title	CPI
A non-interventional, open label, prospective, long term national registry for patients with lupus nephritis on immunosuppressant therapy. The Lupus Nephritis Australian Registry – LUNAR	Ashley Irish
A phase 1 study to determine safety and efficacy of infusion of mesenchymal stromal cells in patients undergoing deceased donor renal transplantation in prevention of the ischaemia-reperfusion injury, Site investigator: Ashley Irish	Ashley Irish
A phase 3 randomized, open-label (sponsor-blind), active-controlled, parallel-group, multi-center, event driven study in dialysis subjects with anemia associated with chronic kidney disease to evaluate the safety and efficacy of daprodustat compared to recombinant human erythropoietin, following a switch from erythropoietin-stimulating agents (ASCEND-D)	Ashley Irish
A Pilot Study to Evaluate the Potential of Mesenchymal Stromal Cells as adjunctive treatment of Humoral and Cellular Renal Graft Rejection after Renal Transplantation from Living Donors	Ashley Irish
aHUS Registry – An Observational, Non-Interventional, Multi-Centre, Multi-National Study of Patients with Atypical Haemolytic-Uraemic Syndrome	Abu Abraham
Comparison of Immunosuppressant Drug Pharmacokinetics in Indigenous versus non-Indigenous Australian Kidney Transplant Recipients	Ramyasuda Swaminathan
Effect of parathyroidectomy on arterial stiffness as assessed by pulse wave velocity in patients with chronic kidney disease and secondary hyperparathyroidism	Harish Puttagunta
EVIDENCE – Evaluation of Potential Predictors of Disease Progression in Patients with aHUS Including Genetics, Biomarkers, and Treatment	Abu Abraham
FoWARD (Fabry testing in Western Australia Renal Dialysis)	Ramyasuda Swaminathan

Global Multicentre Kidney Transplant Advagraf™ Conversion Registry. A Non-Interventional Post Authorisation Study (PAS) – CHORUS	Ramyasuda Swaminathan
HLA Antibody – Hep B Vaccine Pilot Study. In this study we wish to examine whether Hepatitis vaccination can induce an antibody response against not only the Hepatitis B vaccine, but more broadly against HLA antigens and if so is this response transient or enduring, and is it predicted by the strength of Hepatitis B response	Ashley Irish
mTOR Inhibitors and Microcytic Anemia: Effect on Iron Utilization and Inflammation as Compared to Tacrolimus	John Olynyk
PEXIVAS – Plasma exchange and steroid dosing in the treatment of anti-neutrophil cytoplasm antibody (ANCA) associated vasculitis: an international randomized controlled trial	Abu Abraham
Phase 3, Randomized, open-label, active-controlled study evaluating the efficacy and safety of oral vadadustat for the correction of anemia in subjects with non-dialysis-dependant chronic kidney disease (NDD-CKD) (PRO2TECT – CORRECTION)	Ashley Irish
Phase 3, Randomized, open-label, active-controlled study evaluating the efficacy and safety of oral vadadustat for the maintenance treatment of anemia in subjects with non-dialysis-dependant chronic kidney disease (NDD-CKD)(PRO2TECT – CONVERSION)	Ashley Irish
Prospective Biobank of Immunological and Non-immunological factors associated with renal allograft and patient outcomes	Ashley Irish
REDUCCTION – REDUcing the burden of dialysis Catheter ComplicaTIONS: a National approach	Ramyasuda Swaminathan
The CKD-FIX Study: an investigator-initiated, multicentre, prospective, randomised, double-blind, placebo-controlled; parallel-arm trial testing the hypothesis that compared to placebo, uric acid-lowering therapy with xanthine oxidase will significantly slow the progression of kidney failure in patients with moderate to severe chronic kidney disease. Controlled trial of slowing of Kidney Disease progression From the Inhibition of Xanthine oxidase	Ashley Irish
TRANSFORM – A 24 month, multicenter, randomized, open-label safety and efficacy study of concentration-controlled everolimus with reduced calcineurin inhibitor vs mycophenolate with standard calcineurin inhibitor in de novo renal transplantation-Advancing renal TRANSplant eFficacy and safety Outcomes with an eveRolimus-based regiMen	Ashley Irish





## Publications

Viecelli AK, O'Lone E, Sautenet B, Craig JC, Tong A, Chemla E, Hooi LS, Lee T, Lok C, Polkinghorne KR, Quinn RR, Vachharajani T, Vanholder R, Zuo L, Irish AB, Mori TA, Pascoe EM, Johnson DW, Hawley CM. **Vascular Access Outcomes Reported in Maintenance Hemodialysis Trials: A Systematic Review**. Am J Kidney Dis. 2017;01:01.

Viecelli AK, Pascoe EM, Polkinghorne KR, Hawley CM, Paul-Brent PA, Badve SV, Cass A, Johnson DW, Kerr PG, Mori TA, Scaria A, Hooi LS, Ong LM, Irish AB, team Fs. **Updates on baseline characteristics of the omega-3 fatty acids (Fish oils) and Aspirin in Vascular access Outcomes in RENal Disease (FAVOURED) study**. Nephrology. 2017;22(10):823-4.

Viecelli AK, Mori TA, Roy-Chaudhury P, Polkinghorne KR, Hawley CM, Johnson DW, Pascoe EM, Irish AB. **The pathogenesis of hemodialysis vascular access failure and systemic therapies for its prevention: Optimism unfulfilled**. Semin Dial. 2017;26:26.

Chan DT, Watts GF, Irish AB, Dogra GK. **Insulin resistance and vascular dysfunction in chronic kidney disease: mechanisms and therapeutic interventions**. Nephrology Dialysis Transplantation. 2017;32(8):1274-81.

Boan P, Swaminathan R, Irish A. **Infectious complications in indigenous renal transplant recipients in Western Australia**. Internal Medicine Journal. 2017;47(6):648-55.

Krishnan A, Teixeira-Pinto A, Chan D, Chakera A, Dogra G, Boudville N, Irish A, Morgan K, Phillips J, Wong G, Lim WH. **Impact of early conversion from cyclosporin to everolimus on left ventricular mass index: A randomized controlled trial**. Clin Transplant. 2017;31(10).

Macdougall IC, Bock AH, Carrera F, Eckardt KU, Gaillard C, et. al. **Erythropoietic response to oral iron in patients with nondialysis-dependent chronic kidney disease in the FIND-CKD trial**. Clinical Nephrology. 2017;88(6):301-10.

Waters S, Lee S, Affandi JS, Irish A, Price P. **The effect of genetic variants affecting NK cell function on cardiovascular health and the burden of CMV**. Hum Immunol. 2017;78(11-12):747-51.

Irish AB, Viecelli AK, Hawley CM, Hooi LS, Pascoe EM, Paul-Brent PA, Badve SV, Mori TA, Cass A, Kerr PG, Voss D, Ong LM, Polkinghorne KR, Omega-3 Fatty A, Aspirin in Vascular Access Outcomes in Renal Disease Study Collaborative G. **Effect of Fish Oil Supplementation and Aspirin Use on Arteriovenous Fistula Failure in Patients Requiring Hemodialysis: A Randomized Clinical Trial**. JAMA Intern Med. 2017;177(2):184-93.

Irish A, Viecelli A, Hawley C, Hooi L, Pascoe E, Paul-Brent P, Badve S, Mori T, Cass A, Kerr P, Voss D, Ong L, Polkinghorne K. **Das Problem des Shunt-versagens: Hilfe durch Fischöl-Supplementation und Aspirin?** NIEREN-UND HOCHDRUCKKRANKHEITEN 2017;46(4):172-3.

Lee S, Affandi JS, Irish AB, Price P. **Cytomegalovirus infection alters phenotypes of different gammadelta T-cell subsets in renal transplant recipients with long-term stable graft function**. J Med Virol. 2017;89(8):1442-52.

Price P, Lee S, Affandi J, Parsons R, Naylor LH, Watts GF, Irish A. **Cytomegalovirus antibody and vascular pathology in renal transplant recipients**. J Med Virol. 2017;89(1):177-81.

Makwana N, Foley B, Fernandez S, Lee S, Irish A, Pircher H, Price P. **CMV drives the expansion of highly functional memory T cells expressing NK-cell receptors in renal transplant recipients**. Eur J Immunol. 2017;47(8):1324-34.

Selvey LA, Lim WH, Boan P, Swaminathan R, Slimings C, Harrison AE, Chakera A. **Cytomegalovirus viraemia and mortality in renal transplant recipients in the era of antiviral prophylaxis. Lessons from the western Australian experience**. BMC Infectious Diseases. 2017;17 (1):501.



## Projects

Title	CPI/PI
Affinity – Supplier (AMNEAL pty ltd). The assessment of Fluoxetine in stroke recovery.	Graeme Hankey
Navigate Esus – (Bayer). Secondary prevention of stroke and prevention of systemic embolism in patients with a recent Embolic Stroke of Undetermined Source (ESUS), comparing rivaroxaban 15mg once daily with aspirin 100mg (NAVIGATE ESUS).	Darshan Ghia
Role of LA volume in prediction of AF in ischemic stroke patients.	Darshan Ghia
Sporadic ALS Australian Systems Genomics Consortium (SALSA_SGC).	Merrilee Needham
The Australian Motor Neuron Disease Registry.	Merrilee Needham
Trial of the effectiveness of expiratory muscle strength training (EMST) device to help dysphagia in people with Inclusion Body Myositis.	Merrilee Needham
A prospective multicentre, randomised controlled trial of Very Early Rehabilitation in Speech (VERSE) in patients with aphasia following acute stroke.	Ingrid Thorniley



## Publications

Kabra R, Phillips TJ, Saw JL, Phatouros CC, Singh TP, Hankey GJ, Blacker D, Ghia D, Prentice D, McAuliffe W. **Mechanical thrombectomy for anterior circulation stroke: 5-year experience in a statewide service with differences in pretreatment time metrics across two hospitals sites.** J Neurointerv Surg. 2017;9(6):535-40.

Callan A, Capkun G, Vasanthaprasad V, Freitas R, Needham M. **A Systematic Review and Meta-Analysis of Prevalence Studies of Sporadic Inclusion Body Myositis.** Journal of neuromuscular diseases. 2017;4(2):127-37.

Dharmadasa T, Henderson RD, Talman PS, Macdonell RA, Mathers S, Schultz DW, Needham M, Zoing M, Vucic S, Kiernan MC. **Motor neurone disease: progress and challenges.** The Medical journal of Australia. 2017;206(8):357-62.

Needham M, Mastaglia F. **Advances in inclusion body myositis: genetics, pathogenesis and clinical aspects.** Expert Opinion on Orphan Drugs. 2017;5(5):431-43.

Stacey MC, Phillips SA, Farrokhyar F, Swaine JM. **Reliability and measurement error of digital planimetry for the measurement of chronic venous leg ulcers.** Wound Repair Regen. 2017;25(5):901-5.



## Projects

Title	CPI
A randomised controlled trial of conservative versus interventional treatment of primary spontaneous pneumothorax	David McCutcheon
Australian Mepolizumab Registry (AMR)	Li Ping Chung
Identifying risk factors that predict poor tolerance in pneumothoraces following CT or ultrasound guided transthoracic biopsy of lung lesions	Sharan Randhawa
Identifying risk factors that predict poor tolerance in pneumothoraces following transthoracic needle biopsy (TTNB) of lung lesions	Sharan Randhawa
International Lung Screen Trial (ILST)	Annette McWilliams
Lung Cancer Demonstration Project (LCDP)	Jacqueline Logan
PILOT Study – Pleural Infection Longitudinal Outcome Study	Francesco Piccolo
Severe Asthma Web-based Database (SAWD) This is performed in partnership with the AustralAsian Severe Asthma Network and NHMRC Centre of Excellence for Asthma	Li Ping Chung
The Australasian Malignant Pleural Effusion (AMPLE) Trial 2	Ranjan Shrestha
The Australian National Idiopathic Pulmonary Fibrosis Registry	Yuben Moodley



## Publications

Thomas R, Fysh ETH, Smith NA, Lee P, Kwan BCH, Yap E, Horwood FC, Piccolo F, Lam DCL, Garske LA, Shrestha R, Kosky C, Read CA, Murray K, Lee YCG. **Effect of an Indwelling Pleural Catheter vs Talc Pleurodesis on Hospitalization Days in Patients With Malignant Pleural Effusion: The AMPLE Randomized Clinical Trial.** *Jama.* 2017;318(19):1903-12.

Strange G, Lau EM, Giannoulatou E, Corrigan C, Kotlyar E, Kermeen F, Williams T, Celermajer DS, Dwyer N, Whitford H, Wrobel JP, Feenstra J, Lavender M, Whyte K, Collins N, Steele P, Proudman S, Thakkar V, Keating D, Keogh A. **Survival of Idiopathic Pulmonary Arterial Hypertension Patients in the Modern Era in Australia and New Zealand.** *Heart Lung and Circulation.* 2017;in press.

# In Focus

International  
Lung Screen  
Trial (ILST).

Dr Annette  
McWilliams

## Landmark study to detect lung cancer early

Fiona Stanley Hospital (FSH) is taking part in an international lung cancer screening study to determine the most effective methods for early lung cancer diagnosis.

Lead Investigator and FSH Respiratory Physician Dr Annette McWilliams said lung cancer was the leading cause of cancer deaths in Australia.

“A lot of work has been done in lung cancer screening in past 15 years to get to this point, we are now part of a landmark study,” Dr McWilliams said.

“The use of low dose chest CT scans has been shown to save lives from lung cancer but we do not yet have a lung cancer screening program in Australia.”

The study is recruiting participants aged between 55 to 80 years of age who are current or former smokers to undertake a risk assessment, breathing test and, if eligible, a low-dose chest CT scan and then tracked for five years.

Patients with suspicious lesions are seen in the FSH Fast Track Lung Cancer Clinic for management, diagnosis and treatment, and continue as part of the study.

Dr McWilliams hopes this trial is the catalyst for change in how lung cancer is diagnosed in Australia to lead to better survival outcomes.

“Currently, the survival rates for lung cancer are only 15 per cent, as most patients have advanced, incurable disease at the time of diagnosis,” Dr McWilliams said.

“Smoking cessation remains crucial but about 60 per cent of lung cancers in Australia occur in people who have already quit smoking or have never smoked.





*Lung cancer screening study team (L-R) supervisor CT medical imaging technologist Chris Wood, lead investigator Dr Annette McWilliams, project manager Jacqueline Logan, specialist chest radiologists Dr Bann Saffar, Dr Yi Jin Kuok and Dr Stephen Melsom.*

“Lung cancer screening with low dose chest CT has been proven to reduce lung cancer deaths and save lives.”

Several countries including the USA and Japan have either implemented lung cancer screening or are evaluating implementation methods.

This study, also underway in Canada and Hong Kong, will provide crucial information for implementation of lung cancer screening in Australia in partnership with Cancer Council NSW.

The aim is to recruit 500 local participants at FSH, Sir Charles Gairdner Hospital and Osborne Park Hospital.

Lim KP, Loughrey S, Musk M, Lavender M, Wrobel JP. **Beta-Blocker Under-Use in COPD patients.** International Journal of COPD. 2017;12:3041-6.

Chambers DC, Enever D, Lawrence S, Sturm MJ, Herrmann R, Yerkovich S, Musk M, Hopkins PMA. **Mesenchymal Stromal Cell Therapy for Chronic Lung Allograft Dysfunction: Results of a First-in-Man Study.** Stem Cells Translational Medicine – Open Access. 2017;6(4):1152-7.

Tammemagi MC, Schmidt H, Martel S, McWilliams A, Goffin JR, et. al. **Participant selection for lung cancer screening by risk modelling (the Pan-Canadian Early Detection of Lung Cancer [PanCan] study): a single-arm, prospective study.** Lancet Oncol. 2017;18(11):1523-31.

Ho J, McWilliams A, Emery J, Saunders C, Reid C, Robinson S, Brims F. **Integrated care for resected early stage lung cancer: Innovations and exploring patient needs.** BMJ Open Respiratory Research. 2017;4 (1):e000175 (no pagination).

Weber M, Yap S, Goldsbury D, Manners D, Tammemagi M, Marshall H, Brims F, McWilliams A, Fong K, Kang YJ, Caruana M, Banks E, Canfell K. **Identifying high risk individuals for targeted lung cancer screening: Independent validation of the PLCOm2012 risk prediction tool.** International Journal of Cancer. 2017;141(2):242-53.

Cressman SPab, Peacock SJDabc, Tammemagi MCPd, Evans WKMDef, Leighl NBMDgh, Goffin JRMDfi, Tremblay AMj, Liu GMDgh, Manos DMDk, MacEachern PMDjl, Bhatia RMDm, Puksa SMDfi, Nicholas GMDn, McWilliams AMDFop, Mayo JRMDqr, Yee JMDFqr, English JCMDqr, Pataky RMSabq, McPherson EMAs, Atkar-Khattra SBb, Johnston MRMDftu, Schmidt HMDv, Shepherd FAMDgh, Soghrati KMDw, Amjadi KMDn, Burrowes PMDI, Couture CMDMx, Sekhon HSMDPn, Yasufuku KMDPh, Goss GMDn, Ionescu DNMDb, Hwang DMMDg, Martel SMDx, Sin DDMDy, Tan WCMDy, Urbanski SMDI, Xu ZMDk, Tsao M-SMDgh, Lam SMDbq. **The Cost-Effectiveness of High-Risk Lung Cancer Screening and Drivers of Program Efficiency.** Journal of Thoracic Oncology. 2017;12(8):1210-22.

Beers MF, Moodley Y. **When Is an Alveolar Type 2 Cell an Alveolar Type 2 Cell? A Conundrum for Lung Stem Cell Biology and Regenerative Medicine.** American journal of respiratory cell and molecular biology. 2017;57(1):18-27.

Jo HE, Troy LK, Keir G, Chambers DC, Holland A, Goh N, Wilsher M, de Boer S, Moodley Y, Grainge C, Whitford H, Chapman S, Reynolds PN, Glaspole I, Beatson D, Jones L, Hopkins P, Corte TJ. **Treatment of idiopathic pulmonary fibrosis in Australia and New Zealand: A position statement from the Thoracic Society of Australia and New Zealand and the Lung Foundation Australia.** Respiriology. 2017;22(7):1436-58.

Tan DBA, Teo TH, Setiawan AM, Ong NE, Zimmermann M, Price P, Kirkham LS, Moodley YP. **Increased CTLA-4(+) T cells may contribute to impaired T helper type 1 immune responses in patients with chronic obstructive pulmonary disease.** Immunology. 2017;151(2):219-26.

Tan DBA, Teo TH, Setiawan AM, Ong NE, Zimmermann M, Hsu AC, Wark PAB, Moodley YP

**Impaired Th1 responses in patients with acute exacerbations of COPD are improved with PD-1 blockade.** Clinical immunology (Orlando, Fla). 2017.

Glaspole IN, Chapman SA, Cooper WA, Ellis SJ, Goh NS, Hopkins PM, Macansh S, Mahar A, Moodley YP, Paul E, Reynolds PN, Walters EH, Zappala CJ, Corte TJ. **Health-related quality of life in idiopathic pulmonary fibrosis: Data from the Australian IPF Registry.** Respiriology. 2017;22(5):950-6.

Tan DBA, Armitage J, Teo TH, Ong NE, Shin H, Moodley YP. **Elevated levels of circulating exosome in COPD patients are associated with systemic inflammation.** Respir Med. 2017;132:261-4.

Jo HE, Glaspole I, Grainge C, Goh N, Hopkins PM, Moodley Y, Reynolds PN, Chapman S, Walters EH, Zappala C, Allan H, Keir GJ, Hayen A, Cooper WA, Mahar AM, Ellis S, Macansh S, Corte TJ. **Baseline characteristics of idiopathic pulmonary fibrosis: analysis from the Australian Idiopathic Pulmonary Fibrosis Registry.** The European respiratory journal. 2017;49(2).

Williamson JP, Twaddell SH, Lee YCG, Salamonsen M, Hew M, Fielding D, Nguyen P, Steinfors D, Hopkins P, Smith N, Grainge C. **Thoracic ultrasound recognition of competence: A position paper of the Thoracic Society of Australia and New Zealand.** Respirology. 2017;22(2):405-8.

Yagnik L, Graves A, Thong K. **Plastic in patient study: Prospective audit of adherence to peripheral intravenous cannula monitoring and documentation guidelines, with the aim of reducing future rates of intravenous cannula-related complications.** Am J Infect Control. 2017;45(1):34-8.

## Rheumatology



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### Projects

Title	CPI
A randomised trial of anti-inflammatory therapy in gout	Helen Keen
A randomised trial of krill oil for osteoarthritis of the knee (KAROAKE)	Helen Keen
A study of the patient experience of statin therapy #001	Helen Keen
Australian Rheumatology Association Database – A longitudinal study of the long-term effects of arthritis and its treatments in Australia (ARAD)	Helen Keen
SASCHA – Safety and Efficacy of Subcutaneous Canakinumab in Haemochromatotic Arthropathy	Graeme Carroll
Ten year retrospective review of the incidence of serious infections in patients with rheumatoid arthritis on biologic agents at tertiary hospitals in Western Australia	Chanakya Sharma
The Prevalence of Subclinical Synovitis And Uric Acid Deposition In A Hyperuriceamic Cohort of The Fremantle Diabetes Study Phase II	Helen Keen



## Publications

Carroll GJ, Makin K, Garnsey M, Bulsara M, Carroll BV, Curtin SM, Allan EM, McLean-Tooke A, Bundell C, Kemp ML, Deshpande P, Ildayhid D, Coleman S, Easter T, Triplett J, Disteldorf T, Marsden CH, Lucas M. **Undetectable Mannose Binding Lectin and Corticosteroids Increase Serious Infection Risk in Rheumatoid Arthritis.** *Journal of Allergy and Clinical Immunology-in Practice.* 2017;5(6):1609-16.

Oo W, Linklater JM, Saarakkala S, Samuels J, Conaghan PG, Daniel M, Keen H, Deveza L, Hunter DJ. **Clinimetrics of ultrasonography in osteoarthritis: A systematic literature review. Osteoarthritis and Cartilage.** 2017;25:S241-S.

Terslev L, Gutierrez M, Christensen R, Balint PV, Bruyn GA, Delle Sedie A, Filippucci E, Garrido J, Hammer HB, Iagnocco A, Kane D, Kaeley GS, Keen H, Mandl P, Force OUGT. **Assessing elementary lesions in gout by ultrasound: results of an OMERACT patient-based agreement and reliability exercise** (vol 42, pg 2149, 2015). *Journal of Rheumatology.* 2017;44(1).

Boulos D, Ngian GS, Rajadurai A, Elford K, Stevens W, Proudman S, Owen C, Roddy J, Nikpour M, Youssef P, Hill C, Sahhar J. **Long-term efficacy and tolerability of mycophenolate mofetil therapy in diffuse scleroderma skin disease.** *International Journal of Rheumatic Diseases.* 2017;20(4):481-8.

Hao Y, Carreira P, Rabusa C, Tatibouet S, Carmona L, Joven BE, Huq M, Nikpour M, Abu-Hakima M, Baron M, Cabral AR, Docherty P, Fortin PR, Fritzler M, Grodzicky T, Gyger G, Hudson M, Jones N, Kaminska E, Khalidi N, Larche M, LeClercq S, Ligier S, Markland J, Masetto A, Mathieu JP, Pope J, Robinson D, Rodriguez-Reyna TS, Smith D, Sutton E, Thorne C, Proudman S, Roddy J, Sahhar J, Stevens W, Walker J, Youssef P, Zochling J. **Early Mortality in a Multinational Systemic Sclerosis Inception Cohort.** *Arthritis and Rheumatology.* 2017;69(5):1067-77.

Herrick AL, Pan X, Peytrignet S, Lunt M, Hesselstrand R, et. al. **Treatment outcome in early diffuse cutaneous systemic sclerosis: The European Scleroderma Observational Study (ESOS).** *Annals of the Rheumatic Diseases.* 2017;76(7):1207-18.

Morrisroe K, Huq M, Ngian GS, Proudman SM, Hill C, Lester S, Nash P, Ngian G, Nikpour M, Proudman S, Rischmueller M, Roddy J, Sahhar J, Stevens W, Strickland G, Thakkar V, Walker J, Zochling J. **Validity of the Workers Productivity and Activity Impairment Questionnaire: Specific Health Problem (WPAI:SHP) in patients with systemic sclerosis.** *Clinical and Experimental Rheumatology.* 2017;35(Supplement106):S130-S7.

Morrisroe K, Stevens W, Huq M, Prior D, Ngian GS, Celermajer D, Zochling J, Proudman S, Nikpour M, Hill C, Lester S, Nash P, Ngian G, Rischmueller M, Roddy J, Sahhar J, Strickland G, Thakkar V, Walker J. **Survival and quality of life in incident systemic sclerosis-related pulmonary arterial hypertension.** *Arthritis Research and Therapy.* 2017;19 (1) (no pagination)(122).

Morrisroe K, Stevens W, Sahhar J, Rabusa C, Nikpour M, Proudman S, Hill C, Lester S, Rischmueller M, Walker J, Nash P, Ngian G, Roddy J, Strickland G, Thakkar V, Zochling J. **Epidemiology and disease characteristics of systemic sclerosis-related pulmonary arterial hypertension: Results from a real-life screening programme.** *Arthritis Research and Therapy.* 2017;19 (1) (no pagination)(42). Tay T, Huq M, Ferdowsi N, Stevens W, Sahhar J, Ngian G-S, Roddy J, Zochling J, Walker J, Proudman SM, Nikpour M. **Early accrual of organ damage in systemic sclerosis: rationale for development of a disease damage index.** *Journal of Scleroderma and Related Disorders.* 2017;2(2):127-34.



Bond S, Young L, Barrett H, Poulsen K, Taylor A, Barrett C. **New Zealand Rheumatology Association and Australian Rheumatology Association with the Rheumatology Health Professionals Association Joint Annual Scientific Meeting, 20-23 May 2017, Auckland Convention Centre, Auckland, New Zealand.** Internal medicine journal. 2017;47 Suppl 2:5-41.

Haraoui B, Casado G, Czirjak L, Taylor A, Bernasconi C, Reiss W, Caporali R. **Patterns of tocilizumab use, effectiveness and safety in patients**

**with rheumatoid arthritis: core data results from a set of multinational observational studies.** Clinical and Experimental Rheumatology. 2017;35(6):899-906.

Truong SL, Saad NF, Robinson PC, Cowderoy G, Lim I, Schachna L, Stebbings S, Stuckey S, Taylor AL, Whittle SL, Zochling J, Bird P, Brown MA. **Consensus statements on the imaging of axial spondyloarthritis in Australia and New Zealand.** Journal of medical imaging and radiation oncology. 2017;61(1):58-69.

## Sexual Health



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### Projects

Title	CPI
Western Australian pre-exposure prophylaxis for HIV implementation trial.	Lewis Marshall

# In Focus

Western Australian  
pre-exposure  
prophylaxis for HIV  
implementation  
trial.

Dr Lewis Marshall

## Reducing the rates of HIV presentations in WA

Reducing the number of HIV presentations by providing access to vital medication is Sexual Health Physician Dr Lewis Marshall's aim in a state-wide implementation research study.

Dr Marshall is part-way through the study which has focused on creating strategies and disseminating a co-formulated pill of the medications Tenofovir and Emtricitabine.

"We know the medication works. We just need to get the logistics right and get men who have sex with other men onto the medication," Dr Marshall said.

"We ask suitable participants to take the medication once daily and then present for follow up every three months, this has been shown to reduce the risk of contracting HIV by more than 90 per cent."

Dr Marshall said early indicators showed the strategy has been successful with a drop in HIV presentations.

"From what we can see so far, HIV rates in WA have dropped from 88 new cases in 2016 to 68 in 2017," he said.

"There is still no cure for HIV but there is very effective treatment to manage the condition and this is really having an effect on the community."

The study is also looking at the impact of this medication on the rates of gonorrhoea, syphilis and chlamydia.

"By reducing the risk of contracting HIV, we need to determine the effect of increased sexually transmitted infections and anecdotally we are seeing a surge," Dr Marshall said.

"In having participants monitored every three months, we hope to catch any infections early, to treat them and reduce the spread of infection amongst the community."

To date, Dr Marshall and his team at Fremantle Hospital's South Terrace Clinic have recruited 90 patients to the study, with the hope of getting to 150 by the time recruitment finishes in September.





*Sexual Health Physician and Researcher Dr Lewis Marshall.*

Dr Marshall said he was passionate about undertaking research as maintaining best practice was crucial in providing the best patient care.

“Research is a critical function and must instruct everything we do to ensure we are continuously improving patient outcomes,” he said.

When the trial ends in April 2019, the drug will be available through the Pharmaceutical Benefits Scheme (PBS) and patients will still be encouraged to attend sexual health clinics for three monthly monitoring.

The study was initiated by the Department of Communicable Diseases control branch and has been coordinated by the Kirby Institute.

# Service Two

## Anaesthesia and Pain Medicine



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### Projects

Title	CPI
BALANCED – ANZCA clinical trials group, NHMRC funded study investigating the link between depth of anaesthesia and post-operative outcome.	Edmond O’Loughlin
Epidemiology of Critical Care provision after Surgery (EpiCCS)	Edmond O’Loughlin
High-resolution ultrasound guided posterior femoral cutaneous nerve block: Feasibility for split-thickness skin grafting from the posterior thigh in burns surgery.	Kristine Owen
Intravenous Iron to Reduce Transfusion and Improve Post-operative Haemoglobin in Patients With Fractured Neck of Femur (Iron NOF)	Edmond O’Loughlin
PADDI – investigating the impact of dexamethasone on surgical site infection	Edmond O’Loughlin
Retrieval of bone marrow reamings for use in traditional bone marrow iron studies during femoral fracture operative surgery (BMarROWS4Fe)	Edmond O’Loughlin
WA Neck of Femur Fracture Collaboration	Edmond O’Loughlin



## Publications

Ho KM, Pavey W. **Applying the cell-based coagulation model in the management of critical bleeding.** *Anaesth Intensive Care.* 2017;45(2):166-76.

McDonnell NJ, Paech MJ, Muchatuta NA, Hillyard S, Nathan EA. **A randomised double-blind trial of phenylephrine and metaraminol infusions for prevention of hypotension during spinal and combined spinal-epidural anaesthesia for elective caesarean section.** *Anaesthesia.* 2017;72(5):609-17.

O'Loughlin EJ, Swann AD, English JD, Ramadas R. **Accuracy, intra- and inter-rater reliability of three scoring systems for the glottic view at videolaryngoscopy.** *Anaesthesia.* 2017;72(7):835-9.

Browning RM, Alakeson N, O'Loughlin EJ. **Efficacy and safety of ultra rapid iron polymaltose infusion during general anaesthesia.** *Anaesth Intensive Care.* 2017;45(3):320-5.

Corcoran T, Ting S, Mas E, Phillips M, O'Loughlin E, Barden A, Mori TA. **Hyperbaric oxygen therapy is not associated with oxidative stress assessed using plasma F2-isoprostanes and isofurans.** *Prostaglandins, leukotrienes, and essential fatty acids.* 2017;127:16-9.

Corcoran T, Kasza J, Short TG, O'Loughlin E, Chan MT, Leslie K, Forbes A, Paech M, Myles P. **Intraoperative dexamethasone does not increase the risk of postoperative wound infection: a propensity score-matched post hoc analysis of the ENIGMA-II trial (EnDEX).** *Br J Anaesth.* 2017;118(2):190-9.

Kent M, Calvert N, Blades K, Swann A, Yates P. **Enhanced recovery principles applied to revision hip and knee arthroplasty reduces length of stay and blood transfusion.** *Journal of Orthopaedics.* 2017;14(4):555-60.



# In Focus

PADDI –  
investigating  
the impact of  
dexamethasone  
on surgical site  
infection.

Dr Ed O'Loughlin

## Research focus on patient outcomes

Undertaking research to ensure better patient outcomes is what drives Fiona Stanley Hospital (FSH) Anaesthetist Dr Ed O'Loughlin.

Dr O'Loughlin, who has seven anaesthesia-related studies underway, said the style of perioperative research had changed over the years.

“Our focus in research has shifted over the past few years as we place more of an emphasis on what we can do to make a patient's health outcomes better not only now, but in the weeks, months and years following their stay in hospital,” he said.

Under Dr O'Loughlin's leadership as a principal investigator at FSH and on the National Health and Medical Research Council, the hospital is participating in a global, \$4.6 million, 8880 participant trial called PADDI.

“We are looking at the effect of a very commonly used anti-nausea medication, Dexamethasone, and whether or not it contributes to patients getting infections after their surgery,” Dr O'Loughlin said.

“Half of the patients are being given this medication post-surgery to decrease swelling and make them feel better, but we don't know if it is increasing the rates of infection, resulting in poorer outcomes.

“This study is a prime example of our change in research focus. A medication might make a patient feel better in the first 24 hours but make them worse a month to six months later.”

The impact of the work of the anaesthesia and pain research team can be felt not only by the individual patient, but also their family, the community and health service.

“We, the whole research team, focus on those things that matter to patients, which include getting them back home and moving, as well as reducing delirium and complications,” Dr O'Loughlin said.

“Research is critically important for us to know whether our interventions are making a difference in the lives of patients.

“I am forever curious and enjoy challenging the status quo to find the best results for our patients.”



*Anaesthetist and Raine Clinician Research Fellow Dr Ed O'Loughlin.*

# Intensive Care



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## Projects

Title	CPI
A multicentre survey of the sources of health information used by surrogate decision makers of patients admitted to the Intensive Care Unit	Edward Litton
A Multi-centre, Randomised, Single Blinded Clinical Trial Comparing Liberal vs Conservative Oxygen Therapy in Mechanically Ventilated Adults in the Intensive Care Unit (The ICU-ROX Trial)	Edward Litton
A survey of Post-Intensive Care Syndrome in Patients Discharged from Intensive Care Units in Western Australia	Ravikiran Sonawane
ADRENAL Study – Adjunctive corticosteroid treatment in critically ill patients with septic shock. A randomised blinded placebo controlled trial of hydrocortisone in critically ill patients with septic shock	Adrian Regli
Patient and population preferences for intensive care: Integrating the person into decisions around care	Edward Litton
Prophylactic Intra-aortic Balloon Counterpulsation in High-Risk Cardiac Surgery: A Pilot Randomised Controlled Trial (PINBALL Pilot RCT)	Edward Litton
Proton pump inhibitors Vs. histamine-2 receptor blockers for ulcer prophylaxis therapy in the intensive care unit (PEPTIC)	Edward Litton
Proton pump inhibitors Vs. histamine-2 receptor blockers for ulcer prophylaxis therapy in the intensive care unit (PEPTIC)	Edward Litton
Restoration of the microbiome in critical illness: the ROCIT trial	Edward Litton
Short period incidence study of severe acute respiratory infection SPRINT-SARI	Steve Webb
The Augmented versus Routine approach to Giving Energy Trial: A randomised controlled trial. The TARGET Nutrition Study.	Bart De Keulenaer





## Publications

- Kirkpatrick AW, Sugrue M, McKee JL, Pereira BM, Roberts DJ, De Waele JJ, Leppaniemi A, Ejike JC, Blaser AR, D'Amours S, De Keulenaer B, Malbrain MLNG. **Update from the abdominal compartment society (WSACS) on intra-abdominal hypertension and abdominal compartment syndrome: Past, present, and future beyond Banff 2017.** *Anaesthesiology Intensive Therapy.* 2017;49(2):83-7.
- Silbert BI, Ho KM, Lipman J, Roberts JA, Corcoran TB, Morgan DJ, Pavey W, Mas E, Barden AE, Mori TA. **Does Furosemide Increase Oxidative Stress in Acute Kidney Injury?** *Antioxidants and redox signaling.* 2017;26(5):221-6.
- Morgan DJR, Ho KM. **Incidence and outcomes after bariatric surgery in older patients: a state-wide data-linked cohort study.** *ANZ journal of surgery.* 2017;87(6):471-6.
- Morgan DJR. **Optimal Role of the Nephrologist in the Intensive Care Unit: An Intensivist's Opinion.** *Blood purification.* 2017;44(4):267-8.
- Morgan DJR, Ho KM, Ong YJ, Kolybaba ML. **Out-of-office hours' elective surgical intensive care admissions and their associated complications.** *ANZ journal of surgery.* 2017;87(11):886-92.
- Davies H, Leslie GD, Morgan D. **A retrospective review of fluid balance control in CRRT.** *Australian critical care: official journal of the Confederation of Australian Critical Care Nurses.* 2017;30(6):314-9.
- Reintam Blaser A, Malbrain M, Regli A. **Abdominal pressure and gastrointestinal function: an inseparable couple?** *Anaesthesia and Intensive Care.* 2017;49(2):146-58.
- Regli Aabc, Becke Kd, von Ungern-Sternberg BSeF. **An update on the perioperative management of children with upper respiratory tract infections.** *Current Opinion in Anaesthesiology.* 2017;30(3):362-7.
- Malbrain ML, Olvera C, Regli A. **What Every Anaesthetist Needs to Know About Respiratory and Cardiovascular Dynamics in Patients with Obesity or Intra-abdominal Hypertension.** In: Fellahi J-L, Leone M, editors. *Anesthesia in High-Risk Patients.* Cham, Switzerland: Springer; 2017. p. 91-115.
- Tiruvoipati R, Botha J, Fletcher J, Gangopadhyay H, Majumdar M, Vij S, Paul E, French C, McArthur C, Peake S, Parke R, Gattas D, Saxena M, Young P, Cohen J, Deane A, Cooper D, Udy A, Litton E, Erickson S, Mitchell I, Eastwood G, Pilcher D, Goldsmith D, Rickerby S. **Intensive care discharge delay is associated with increased hospital length of stay: A multicentre prospective observational study.** *PLoS ONE.* 2017;12(7): (no pagination).
- Young PJ, Mackle DM, Bailey MJ, Beasley RW, Bennett VL, Deane AM, Eastwood GM, Finfer S, Freebairn RC, Litton E, Linke NJ, McArthur CJ, McGuinness SP, Panwar R, Bellomo R. **Intensive care unit randomised trial comparing two approaches to oxygen therapy (ICU-ROX): results of the pilot phase.** *Critical care and resuscitation : journal of the Australasian Academy of Critical Care Medicine.* 2017;19(4):344-54.
- Lim J, Miles L, Litton E. **Intravenous Iron Therapy in Patients Undergoing Cardiovascular Surgery: A Narrative Review.** *Journal of Cardiothoracic and Vascular Anesthesia.* 2017.
- Delaney LJ, Currie MJ, Huang HCC, Lopez V, Litton E, Van Haren F. **The nocturnal acoustical intensity of the intensive care environment: An observational study.** *Journal of Intensive Care.* 2017;5 (1) (41):(no pagination).
- Miles LF, Story DA, Litton E. **Peri-operative correction of non-anaemic iron deficiency.** *Anaesthesia.* 2017;72(7):910-1.
- Webb SA, Litton E. **Prevention is better than cure, but both require high quality evidence.** *Lancet (London, England).* 2017;389(10068):572.

Chapman AR, Litton EL. **Primary prevention in the intensive care unit: a prospective single-centre study of the risk factors for invasive pneumococcal disease.** Anaesthesia and intensive care. 2017;45(4):448-52.

Litton E, Elliott R, Ferrier J, Webb SAR. **Quality sleep using earplugs in the intensive care unit: the QUIET pilot randomised controlled trial.** Critical care and resuscitation : journal of the Australasian Academy of Critical Care Medicine. 2017;19(2):128-33.

Litton E, Elliott R, Thompson K, Watts N, Seppelt I, Webb SAR. **Using clinically accessible tools to measure sound levels and sleep disruption in the ICU: A prospective multicenter observational study.** Critical Care Medicine. 2017;45(6):966-71.

## Nuclear Medicine



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### Projects

Title	CPI
Diagnostic reference levels for PET/CT studies Australia	Kathryn Linn



### Publications

Kesavan M, Boucek J, MacDonald W, McQuillan A, Turner JH. **Imaging of early response to predict prognosis in the first-line management of follicular non-Hodgkin lymphoma with Iodine-131-rituximab radioimmunotherapy.** Diagnostics. 2017;7 (2) (no pagination)(3).

## Medical Imaging



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### Projects

Title	CPI
Can contrast enhanced spectral mammography play a clinically useful role in the pre-operative assessment of women with Ductal Carcinoma in Situ (DCIS), the 'CESM D' Study	Donna Taylor



### Publications

Medical Imaging is involved as a supporting department in a large number of projects and publications across SMHS. These projects have been recorded under the heading of the main research department.

## Vascular Access



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### Projects

Title	CPI
A Feasibility Pilot Randomised Control Trial to Compare Failure Rates between Anti-infective CVC, PICC and Anti-infective PICC lines in patients that receive Total Parenteral Nutrition	Peter Carr
Accuracy of the Delta electrocardiogram (ECG) system to verify correct peripherally inserted central catheter (PICC) tip location (DELTA)	Peter Carr
Integrated versus nOn-integrated Peripheral inTravenous catheter. Which Is the most clinical and cost-effective system for peripheral intravenoUs catheter Management? (The OPTIMUM Trial)	Peter Carr



## Publications

Piper R, Carr PJ, Kelsey L, Bulmer A, Keogh S, Doyle B. **Towards a better understanding of the mechanistic causes of peripheral intravenous catheter failure: a parametric computational study.** Scientific Reports- Nature. 2018 8(1)

Carr PJ, Higgins N, Cooke ML, Rippey JC, Rickard CM. **“Tools, Clinical Prediction Rules, and Algorithms for the insertion of peripheral intravenous catheters in adult hospitalized patients: A systematic scoping review of literature”.** Journal of Hospital Medicine. 2017 12(10) E1-8.

Lian A, Rippey JC, Carr PJ. **Teaching medical students ultrasound-guided vascular access- which learning method is best?** The journal of vascular access. 2017; 18 (3) 255-258.

Chopra V, Kuhn L, Ratz D, Winter S, Carr PJ, Paje D, Krein SL. **Variation in use of technology among vascular access specialists: an analysis of the PICC1 survey.** The journal of vascular access. 2017 15; 18 (3) 243-249.

Hay B, Carr PJ, Dawe L, Clark-Burg K. **“iM Ready to Learn”: Undergraduate Nursing Students Knowledge, Preferences, and Practice of Mobile Technology and Social Media.** CIN: Computers, Informatics, Nursing. 2017; 35(1):8-17.

Carr PJ, Higgins NS, Cooke ML, Mihala G, Rickard CM. **Vascular access specialist teams for device insertion and prevention of failure.** Review. The Cochrane Library.

Alexandrou E, Ray-Barruel G, Carr PJ, Frost S, Inwood S, Higgins N, Lin F, Alberto L, Mermel L, Rickard CM. **Peripheral intravenous catheters: an international, cross sectional study: The OMG study.** Journal of Hospital Medicine.

Carr PJ, Rippey JC, Cooke ML, Higgins N, Trevenen M, Foale AS, Rickard CM. **Patient, Clinician, and Product characteristics associated with peripheral intravenous cannulation first-time insertion success in the Emergency Department: a multivariable analysis of a multicenter cohort study.** BMJ Open.

Carr PJ, Rippey JC, Cooke ML, Higgins N, Trevenen M, Foale AS, Rickard CM. **From insertion to removal of Emergency Department inserted peripheral intravenous catheters. A multi-centre survival analysis of an admitted patient cohort.** Infection Control and Hospital Epidemiology.

Choden J, Carr PJ, Brock AR, Esterman A. **Factors associated with difficult peripheral intravenous cannulation among pediatric patients at tertiary hospitals in Bhutan. A multi-centre study.** Applied Nursing Research.

# Service Three

## Breast Service



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### Projects

Title	CPI/PI
Breast Origin CAncer tissue donated after DEath: The NBCF repository of primary tumours and metastases from breast cancer patients	Christobel Saunders
OncoRes	Christobel Saunders
POSNO (BC) – POSitive Sentinel NOde: adjuvant therapy alone versus adjuvant therapy plus Clearance or axillary radiotherapy. A randomized Controlled Trial (RTC) BC study of complete axillary clearance vs observation in patients with lymph node positive breast cancer (POSNO).	Christobel Saunders
Radioguided Occult Lesion Localisation using Iodine 125 Seeds (ROLLIS)	Christobel Saunders
The Continuous-Improvement in Care (CIC) Cancer Project	Christobel Saunders



### Publications

Huang YY, Maurel A, Hamza S, Jackson L, Al-Ogaili Z. **Impact of same day vs day before pre-operative lymphoscintigraphy for sentinel lymph node biopsy for early breast cancer (local Australian experience).** Journal of medical imaging and radiation oncology. 2017.

Phillips M, Cataneo RN, Lebauer C, Mundada M, Saunders C. **Breath mass ion biomarkers of breast cancer.** Journal of Breath Research. 2017;11 (1) (no pagination)(016004).

Wright CM, Moorin RE, Chowdhury EK, Stricker BH, Reid CM, Saunders CM, Hughes JD. **Calcium channel blockers and breast cancer incidence: An updated systematic review and meta-analysis of the evidence.** Cancer epidemiology. 2017;50(Pt A):113-24.

Lopez D, Kemp-Casey A, Saunders C, Roughead E, Boyle F, Bulsara M, Preen D. **Clinical consultations and investigations before and after discontinuation of endocrine therapy in women with primary breast cancer.** Public health research and practice. 2017;27(3).

- Glassey R, Saunders C, Hardcastle SJ. **Commentary: Bilateral risk-reducing mastectomy is the safest strategy in BRCA1 carriers.** *Frontiers in psychology*. 2017;8:121.
- Johnson CE, Slavova-Azmanova N, Saunders C. **Development of a peer-review framework for cancer multidisciplinary meetings.** *Internal medicine journal*. 2017;47(5):529-35.
- Hammarberg K, Sullivan E, Javid N, Duncombe G, Halliday L, Boyle F, Saunders C, Ives A, Dickinson JE, Fisher J. **Health care experiences among women diagnosed with gestational breast cancer.** *European journal of cancer care*. 2017.
- Glassey R, O'Connor M, Ives A, Saunders C, O'Sullivan S, Hardcastle SJ. **Heightened perception of breast cancer risk in young women at risk of familial breast cancer.** *Familial Cancer*. 2017:1-8.
- Emery JD, Gray V, Walter FM, Cheetham S, Croager EJ, Slevin T, Saunders C, Threlfall T, Auret K, Nowak AK, Geelhoed E, Bulsara M, Holman CDJ. **The Improving Rural Cancer Outcomes Trial: a cluster-randomised controlled trial of a complex intervention to reduce time to diagnosis in rural cancer patients in Western Australia.** *British journal of cancer*. 2017;117(10):1459-69.
- Glassey R, O'Connor M, Ives A, Saunders C, Hardcastle SJ. **Influences on decision-making for young women undergoing bilateral prophylactic mastectomy.** *Patient Education and Counseling*. 2017.
- Bourke AG, Taylor DB, Westcott E, Hobbs M, Saunders C. **Iodine-125 seeds to guide removal of impalpable breast lesions: radio-guided occult lesion localization – a pilot study.** *ANZ journal of surgery*. 2017;87(11):E178-e82.
- Xu JX, Koek S, Lee S, Hanikeri M, Lee M, Beer T, Saunders C. **Juvenile melanomas: Western Australian Melanoma Advisory Service experience.** *Australasian Journal of Dermatology*. 2017;58(4):299-303.
- Boppart SA, Brown JQ, Farah CS, Kho E, Marcu L, Saunders CM, Sterenborg H. **Label-free optical imaging technologies for rapid translation and use during intraoperative surgical and tumor margin assessment.** *Journal of Biomedical Optics*. 2017;23(2):1-10.
- Cohen PA, Brennan A, Marino JL, Saunders CM, Hickey M. **Managing menopausal symptoms after breast cancer – A multidisciplinary approach.** *Maturitas*. 2017;105:4-7.
- Dash I, Dessauvague B, Hardie M, Saunders C, Wylie E. **Mucocoele-like lesions: is surgical excision still necessary?** *Clinical radiology*. 2017;72(11):992.e1-.e6.
- Ong JSL, Teh J, Saunders C, Bourke AG, Lizama C, Newton J, Phillips M, Taylor DB. **Patient satisfaction with Radioguided Occult Lesion Localisation using iodine-125 seeds ('ROLLIS') versus conventional hookwire localisation.** *European journal of surgical oncology : the journal of the European Society of Surgical Oncology and the British Association of Surgical Oncology*. 2017;43(12):2261-9.
- King MT, Winters ZE, Olivotto IA, Spillane AJ, Chua BH, Saunders C, Westenberg AH, Mann GB, Burnett P, Butow P, Rutherford C. **Patient-reported outcomes in ductal carcinoma in situ: A systematic review.** *European journal of cancer (Oxford, England : 1990)*. 2017;71:95-108.
- Musiello T, Dixon G, O'Connor M, Cook D, Miller L, Petterson A, Saunders C, Joske D, Johnson C. **A pilot study of routine screening for distress by a nurse and psychologist in an outpatient haematological oncology clinic.** *Applied nursing research : ANR*. 2017;33:15-8.
- James J, Corrigan B, Saunders C. **Pre-hydrated sterile acellular dermal matrix allograft in breast reconstruction: review of a single unit's experience.** *ANZ journal of surgery*. 2017.
- Pathak R, Wallington M, Saunders C, Braun M, Mullamitha S, Wilson G, Hasan J, Dodwell D, Bomb M, Saunders M. **Rapid Analysis of Outcomes Using the Systemic Anti-Cancer Therapy (SACT) Dataset.** *Clinical oncology (Royal College of Radiologists (Great Britain))*. 2017;29(7):e134-e6.

Pronicka E, Ropacka-Lesiak M, Trubicka J, Pajdowska M, Linke M, Ostergaard E, Saunders C, Horsch S, van Karnebeek C, Yaplito-Lee J, Distelmaier F, Ounap K, Rahman S, Castelle M, Kelleher J, Baris S, Iwanicka-Pronicka K, Steward CG, Ciara E, Wortmann SB. **A scoring system predicting the clinical course of CLPB defect based on the foetal and neonatal presentation of 31 patients.** Journal of inherited metabolic disease. 2017;40(6):853-60.

Marino JL, Saunders CM, Hickey M. **Sexual inactivity in partnered female cancer survivors.** Maturitas. 2017;105:89-94.

Chin L, Latham B, Saunders CM, Sampson DD, Kennedy BF. **Simplifying the assessment of human breast cancer by mapping a micro-scale heterogeneity index in optical coherence elastography.** Journal of biophotonics. 2017;10(5):690-700.

Ong WL, Schouwenburg MG, van Bommel ACM, Stowell C, Allison KH, Benn KE, Browne JP, Cooter RD, Delaney GP, Duhoux FP, Ganz PA, Hancock P, Jagsi R, Knaul FM, Knip AM, Koppert LB, Kuerer HM, McLaughlin S, Mureau MAM, Partridge AH, Reid DP, Sheeran L, Smith TJ, Stoutjesdijk MJ, Vrancken Peeters M, Wengstrom Y, Yip CH, Saunders C. **A Standard Set of Value-Based Patient-Centered Outcomes for Breast Cancer: The International Consortium for Health Outcomes Measurement (ICHOM) Initiative.** JAMA oncology. 2017;3(5):677-85.

Quinn VF, Meiser B, Kirk J, Tucker KM, Watts KJ, Rahman B, Peate M, Saunders C, Geelhoed E, Gleeson M, Barlow-Stewart K, Field M, Harris M, Antill YC, Cicciarelli L, Crowe K, Bowen MT, Mitchell G. **Streamlined genetic education is effective in preparing women newly diagnosed with breast cancer for decision making about treatment-focused genetic testing: a randomized controlled noninferiority trial.** Genetics in medicine: official journal of the American College of Medical Genetics. 2017;19(4):448-56.

Kemp-Casey A, Roughead EE, Saunders C, Boyle F, Bulsara M, Preen DB. **Switching between endocrine therapies for primary breast cancer: Frequency and timing in Australian clinical practice.** Asia Pac J Clin Oncol. 2017;13(2):e161-e70.

Eakin E, Hayes S, Reeves M, Goode A, Vardy J, Boyle F, Haas M, Hiller J, Mishra G, Jefford M, Koczwara B, Saunders C, Chapman K, Boltong A, Lane K, Baldwin P, Robertson A, Millar L, McKiernan S, Demark-Wahnefried W, Courneya K, Robson E. **Translating Research into Community Practice: The Healthy Living after Cancer Partnership Project.** Obesity (Silver Spring, Md). 2017;25 Suppl 2:S31.

Johansen NJ, Saunders CM. **Value-Based Care in the Worldwide Battle Against Cancer.** Cureus. 2017;9(2):e1039.

Ballal H, Hunt C, Bharat C, Murray K, Kamyab R, Saunders C. **Arm morbidity: comparison of completion axillary dissection undertaken sentinel node biopsy or as 2nd operation.** ANZ Journal of Surgery. 2017

## Ear, Nose and Throat Surgery



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### Publications

Kuthubutheen J, Joglekar S, Smith L, Friesen L, Smilsky K, Millman T, Ng A, Shipp D, Coates H, Arnoldner C, Nedzelski J, Chen J, Lin V. **The Role of Preoperative Steroids for Hearing Preservation Cochlear Implantation: Results of a Randomized Controlled Trial.** *Audiol Neuro-Otol.* 2017;22(3-5):292-302.

Khanna A, Wang A, Rajan G. **Keep and eye and an airway on new oral anticoagulants – spontaneous retropharyngeal hematoma in a patient with chronic renal failure.** *British Journal of Medicine and Medical Research.* 2017;19(12):1-5.

## General Surgery



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### Projects

Title	CPI
Outcomes of Negative Pressure Wound Therapy Dressing following mastectomy	Alicia Mackowski
Establishment of a Bariatric Surgery Clinical Quality Registry	Krishna Epari
How to do lateral retroperitoneoscopic resection of intra-abdominal paraganglioma	Dean Lisewski
Outcomes following portal vein resection at pancreaticoduodenectomy	Laurie Webber
Focussed biliary ultrasound by surgical registrars in an acute surgical unit	Oscar Aldridge



## Maxillofacial Surgery



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### Projects

Title	CPI
Use of contrast enhanced ultrasound to distinguish between benign and malignant cervical lymph nodes in oral squamous cell carcinomas	Ragu Krishnamoorthy
A comparison of the number of screws for fixation of skeletal anchorage devices in orthodontics and their failure rates	David Thean

## Neonatology



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### Projects

Title	CPI/PI
A phase 2b Randomised, Double-blind, Placebo-controlled Study to Evaluate the Safety and Efficacy of MEDI8897, a monoclonal Antibody with an Extended Half-life Against Respiratory Syncytial Virus, in Healthy Preterm Infants	Peter Richmond



### Publications

Deshmukh M, Patole S. **Antenatal corticosteroids for neonates born before 25 Weeks-A systematic review and meta-analysis.** PLoS ONE. 2017;12(5):e0176090.

Deshmukh J, Deshmukh M, Patole S. **Probiotics for the management of neonatal hyperbilirubinemia: a systematic review of randomized controlled trials.** The journal of maternal-fetal and neonatal medicine: the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania

Perinatal Societies, the International Society of Perinatal Obstet. 2017;1-10.

Buchiboyina A, Jasani B, Deshmukh M, Patole S. **Strategies for managing transient tachypnoea of the newborn – a systematic review.** The journal of maternal-fetal and neonatal medicine: the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstet. 2017;30(13):1524-32.



## Projects

Title	CPI/PI
A combined Randomised and Observational Study of Surgery for Fractures In the Distal Radius in the Elderley (CROSSFIRE)	Piers Yates
A Prospective, Multi-centre Clinical Study Evaluating the Legion Hinge Knee System (The Links Study)	Piers Yates
A Prospective, Multi-centre Randomised Comparative Study of Implant Fit, Clinical Outcomes and Satisfaction With the Stryker Accolade II® Hip Stem Compared to the Corail Hip Stem.	Omar Khorshid
Clinical and Radiological Outcome using the Absolut femoral prosthesis and the Global cup system	Piers Yates
Investigation into the Influence of Patient Ambulation and Components Alignment on Medium-Term Patient Outcomes after Total Knee Arthroplasty	Omar Khorshid
Investigation into the tibial fixation of the Saiph TKR – RSA study	Piers Yates
Large Cohort, multi-centre, multi-national follow-up of the Saiph Total Knee Replacement	Piers Yates
Multi-center, non-comparative study of primary TKA functional performance	Piers Yates
Prospective Multi-Centre Outcomes Study of Persona Knee System in Total Knee Arthroplasty	Omar Khorshid
Prospective, single arm, Attune primary total knee arthroplasty system study	Piers Yates
Rehabilitation of Humerus Injuries Non-operatively and their Outcomes (RHINO) Study	Chris Lim



## Publications

Harris IA, Naylor JM, Lawson A, Buchbinder R, Ivers R, Balogh Z, Smith P, Mittal R, Xuan W, Howard K, Vafa A, Yates P, Rieger B, Smith G, Elkinson I, Kim W, Chehade M, Sungaran J, Latendresse K, Wong J, Viswanathan S, Richardson M, Shrestha K, Drobetz H, Tran P, Loveridge J, Page R, Hau R, Bingham R, Mulford J, Incoll I. **A combined randomised and observational study of surgery for fractures in the distal radius in the elderly (CROSSFIRE)-a study protocol.** *BMJ Open.* 2017;7(6):e016100.

Moniz S, Hodgkinson S, Yates P. **Cardiac transplant due to metal toxicity associated with hip arthroplasty.** *Arthroplasty Today.* 2017;3(3):151-3.

Albers CE, Rogers P, Wambeek N, Ahmad SS, Yates PJ, Prosser GH. **Preoperative planning for redirective, periacetabular osteotomies.** *J Hip Preserv Surg.* 2017;4(4):276-88.

## Plastic Surgery



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## Publications

Erkan S, Savundra JM, Wood B, Acharya AN, Rajan GP. **Clinical perineural invasion of the trigeminal and facial nerves in cutaneous head and neck squamous cell carcinoma: Outcomes and prognostic implications of multimodality and salvage treatment.** *Head and neck.* 2017;39(7):1280-6.

# State Adult Burns Service



18

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## Projects

Title	CP
A Randomised Controlled Trial of Nurse Administered Hypnosis and Mindfulness for Acute Burn Pain	Kate James
A review of the Nutritional Management of Adult Burns Patients Throughout Australia and New Zealand	Michelle Cork
Assessment of the energy and protein intake of patients with >5% TBSA burns admitted to FSH State Adult Burns Unit WA	Michelle Cork
Does electrical stimulation therapy improve healing in small area acute burns as measured by localised bioimpedance monitoring?	Dale Edgar
Does exercise training improve muscle strength and function after burn injury	Paul Gittings
Early intervention with laser promotes scar maturation	Suzanne Rea
Exploring general surgery patient's experiences to develop an individualised prehabilitation exercise program and targeted education – a qualitative study.	Dale Edgar
Long-term follow-up of the effects of laser therapy for hypertrophic scars	Suzanne Rea
Measurement and management of oedema after hand burn injury	Dale Edwick
Monitoring exercise intensity during physiotherapy sessions using session-rating of perceived exertion, in individuals with burn injuries.	Tiffany Grisbrook
Post-burn healing: Quantifying optimal compression therapy	Fiona Wood
Quantification of energy expenditure post-small to moderate burn injury – an observational study	Paul Gittings

Retrospective review of the kinetics of inflammatory markers following burn injury	Edward Raby
The 'lived experience' of adults with Heterotopic Ossification (HO), following a burn injury	Dale Edgar
The Mechanobiology of Scarring: Using ultrasound elastography to measure the development of fibrosis during tissue healing.	Helen DeJong
The relationship between post-burn rehabilitation outcomes and neuroplasticity in the elderly population	Casey White
Travelling for treatment for a burn injury: The experiences of Aboriginal women who are admitted to the Burns Unit at Fiona Stanley Hospital.	Tiffany Ryan
What factors, patient, injury and therapeutic interventions influence the quality of outcome post burns? Rapid high level data analysis of de-identified linked burn injury and outcome data to identify the drivers to clinical outcome	Fiona Wood



## Publications

Gittings PM, Grisbrook TL, Edgar DW, Wood FM, Wand BM, O'Connell NE. **Resistance training for rehabilitation after burn injury: A systematic literature review and meta-analysis.** Burns: journal of the International Society for Burn Injuries. 2017.

Grisbrook TL, Gittings PM, Wood FM, Edgar DW. **The effectiveness of session rating of perceived exertion to monitor resistance training load in acute burns patients.** Burns : journal of the International Society for Burn Injuries. 2017;43(1):169-75.

Kenworthy P, Grisbrook TL, Phillips M, Gittings P, Wood FM, Gibson W, Edgar DW. **Bioimpedance spectroscopy: A technique to monitor interventions for swelling in minor burns.** Burns: journal of the International Society for Burn Injuries. 2017;43(8):1725-35.

Finlay V, Burrows S, Kendell R, Berghuber A, Chong V, Tan J, Edgar DW, Wood F. **Modified Vancouver Scar Scale score is linked with quality of life after burn.** Burns : journal

of the International Society for Burn Injuries. 2017;43(4):741-6.

Finlay V, Burrows S, Burmaz M, Yawary H, Lee J, Edgar DW, Wood FM. **Increased burn healing time is associated with higher Vancouver Scar Scale score.** Scars, Burns and Healing. 2017;3:1-10.

DeJong HM, Phillips M, Edgar DW, Wood FM. **Patient opinion of scarring is multidimensional: An investigation of the POSAS with confirmatory factor analysis.** Burns : journal of the International Society for Burn Injuries. 2017;43(1):58-68.

Rowe S, Carville K, Wood F, Edgar D, Cork M, Kendell R, Reid-Searl K, Crowley K. **Nursing care of people with burns.** In: LeMone Pao, editor. Medical-Surgical Nursing: Critical thinking for person-centred care. 3rd ed ed. Melbourne, Vic: Pearson Australia; 2017. p. 477-510.

Stinton SB, Graham PL, Moloney NA, Maclachlan LR, Edgar DW, Pappas E. **Longitudinal recovery following distal radial fractures managed with volar plate fixation.** The bone and joint journal. 2017;99-b(12):1665-76.

Foster N, Kornhaber R, McGarry S, Wood FM, Edgar DW. **Heterotopic Ossification in adults following a burn: A phenomenological analysis.** Burns : journal of the International Society for Burn Injuries. 2017;43(6):1250-62.

Kenworthy P, Grisbrook TL, Phillips M, Gibson W, Wood FM, Edgar DW. **Addressing the Barriers to Bioimpedance Spectroscopy Use in Major Burns: Alternate Electrode Placement.** Journal of burn care and research : official publication of the American Burn Association. 2017;38(6):e952-e9.

Ho S, Rawlins M, Ingram P, Boan P. **Voriconazole-induced hyponatraemia associated with homozygous CYP2C19\*2 genotype.** Journal of Chemotherapy. 2017;29(5):325-6.

Fear VS, Boyd JH, Rea S, Wood FM, Duke JM, Fear MW. **Burn Injury Leads to Increased Long-Term Susceptibility to Respiratory Infection in both Mouse Models and Population Studies.** PLoS ONE. 2017;12(1):e0169302.

Stevenson AW, Randall SM, Boyd JH, Wood FM, Fear MW, Duke JM. **Burn leads to long-term elevated admissions to hospital for gastrointestinal disease in a West Australian population based study.** Burns : journal of the International Society for Burn Injuries. 2017;43(3):665-73.

Duke JM, Randall SM, Wood FM, Boyd JH, Fear MW. **Burns and long-term infectious disease morbidity: A population-based study.** Burns : journal of the International Society for Burn Injuries. 2017;43(2):273-81.

Douglas HE, Wood F. **Burns dressings.** Australian family physician. 2017;46(3):94-7.

Boyd JH, Wood FM, Randall SM, Fear MW, Rea S, Duke JM. **Effects of Pediatric Burns on Gastrointestinal Diseases: A Population-Based Study.** Journal of burn care and research : official publication of the American Burn Association. 2017;38(2):125-33.

Duke JM, Randall SM, Fear MW, Boyd JH, Wood FM. **Fracture admissions after burns: A retrospective longitudinal study.** Burns : journal of the International Society for Burn Injuries. 2017;43(6):1175-82.

Randall SM, Wood FM, Boyd JH, Duke JM. **Geographic distribution of burn in an Australian setting.** Burns: journal of the International Society for Burn Injuries. 2017;43(7):1575-85.

Smith AE, Goldsworthy MR, Wood FM, Olds TS, Garside T, Ridding MC. **High intensity aerobic exercise blocks the facilitation of iTBS-induced plasticity in the human motor cortex.** Neuroscience. 2017.

Wallace HJ, Fear MW, Crowe MM, Martin LJ, Wood FM. **Identification of factors predicting scar outcome after burn in adults: A prospective case-control study.** Burns : journal of the International Society for Burn Injuries. 2017;43(6):1271-83.

Es'haghian S, Gong P, Chin L, Harms KA, Murray A, Rea S, Kennedy BF, Wood FM, Sampson DD, McLaughlin RA. **Investigation of optical attenuation imaging using optical coherence tomography for monitoring of scars undergoing fractional laser treatment.** Journal of biophotonics. 2017;10(4):511-22.

Duke JM, Randall SM, Fear MW, O'Halloran E, Boyd JH, Rea S, Wood FM. **Long term cardiovascular impacts after burn and non-burn trauma: A comparative population-based study.** Burns: journal of the International Society for Burn Injuries. 2017;43(8):1662-72.

Agarwal V, Wood FM, Fear M, Iyer KS. **Polymeric Nanofibre Scaffold for the Delivery of a Transforming Growth Factor (1) Inhibitor.** Aust J Chem. 2017;70(3):280-5.

Martin L, Byrnes M, McGarry S, Rea S, Wood F.  
**Posttraumatic growth after burn in adults: An integrative literature review.** Burns : journal of the International Society for Burn Injuries. 2017;43(3):459-70.

Martin L, Byrnes M, Bulsara MK, McGarry S, Rea S, Wood F. **Quality of life and posttraumatic growth after adult burn: A prospective, longitudinal study.** Burns : journal of the International Society for Burn Injuries. 2017;43(7):1400-10.

Parviz M, Toshniwal P, Viola HM, Hool LC, Fear PMW, Wood FM, Gaus K, Iyer KS, Gooding JJ. **Real-Time Bioimpedance Sensing of Antifibrotic Drug Action in Primary Human Cells.** ACS sensors. 2017;2(10):1482-90.

Martin L, Byrnes M, McGarry S, Rea S, Wood F. **Social challenges of visible scarring after severe burn: A qualitative analysis.** Burns : journal of the International Society for Burn Injuries. 2017;43(1):76-83.

Drummond PD, Dawson LF, Wood FM, Fear MW. **Up-regulation of alpha1-adrenoceptors in burn and keloid scars.** Burns : journal of the International Society for Burn Injuries. 2017.

DeJong HM, Abbott S, Zelesco M, Kennedy BF, Ziman MR, Wood FM. **The validity and reliability of using ultrasound elastography to measure cutaneous stiffness, a systematic review.** International journal of burns and trauma. 2017;7(7):124-41.

# In Focus

Exploring general surgery patient's experiences to develop an individualised prehabilitation exercise program and targeted education – a qualitative study.

Dale Edgar

## Listening to patients to improve outcomes

Giving patients a voice and learning from their experiences is at the core of the latest research project by Senior Physiotherapist Dale Edgar.

This study is exploring the patient journey to see how the system and clinicians can work to decrease the risk of complications and deliver better outcomes after general surgery.

“By speaking with our patients and understanding where the shortfalls are, it will assist with informing on potential interventions,” Dale said.

“We hope by adding exercise intervention (prehabilitation), it will give us time with patients to not only do a work up in the gym, but provide tailored education and manage expectations.”

Dale has been a senior researcher and allied health professional in the State Adult Burns Unit for almost 20 years. He has published more than 80 articles and been involved in more than 100 research projects. Dale is using this experience to cross-pollinate and assist in making change across different specialities.

“I hope to take my learnings and understanding from my work in burns and propagate this across other areas,” Dale said.

“Similar work has also been completed in cardiovascular and upper abdominal surgery. Pulling all of the knowledge from these fields together to make change in general surgery should have a significant impact.

“While there may be different risk profiles and areas of risk in each speciality, the one constant is that patients require a general anaesthetic which increases the risk of respiratory and circulatory complications.





*Senior Physiotherapist Dale Edgar with patient Josh Brock.*

“The assumption is that if we can reduce the risks of patients having an anaesthetic by assisting them to be fitter and stronger for surgery we hope to mitigate complications and improve overall outcomes.”

The study has commenced recruitment to four focus groups, a mix of pre and post-operative patients.

Dale believes this interaction with patients will improve all aspects of their experience, make the patient journey as efficient as possible and give them the best chance of a good outcome.

“Understanding the power of the patient’s voice is crucial for us to improve the patient journey and their quality of life after the experience,” Dale said.



## Projects

Title	CPI/PI
A Phase 3, double-blind, placebo-controlled, randomised trial of methoxyflurane with periprostatic local anaesthesia to reduce the discomfort of transrectal, ultrasound-guided prostate biopsy. (Pain Free TRUS B)	Dickon Hayne
Accuracy of Dual energy Ct scan for evaluation of renal stones	Dickon Hayne
ANZUP co-operative multi-centre cystectomy database (ACCEPT)	Dickon Hayne
BCG+MMC Trial: Adding mitomycin C to BCG as adjuvant intravesical therapy for high-risk, non-muscle-invasive bladder cancer: a randomized phase 3 trial (ANZUP1301)	Dickon Hayne
Improving Sexual Health of men with prostate cancer (Phase 3 RCT)	Daniel Galvao
One Stop Prostate Clinic Patient Preferences	Dickon Hayne
Psychometric evaluation of a Patient-Reported Symptom Index for Non-Muscle Invasive Bladder Cancer: Phase 2 field testing (NMIBC-SI)	Dickon Hayne
Psychometric evaluation of a Patient-Reported Symptom Index for Non-Muscle Invasive Bladder Cancer: Phase 2 field testing (NMIBC-SI)	Dickon Hayne



## Publications

Bangash HK, Hayne D, Thyer IA. **Metastatic primary testicular carcinoid tumor managed with radical orchiectomy, retroperitoneal lymph node dissection and inferior vena cava excision: Case report.** Urology case reports. 2017;15:56-8.

Bangash HK, McCombie SP, Bangash OK, Hayne D. **Neobladder Obstruction: A Non-ischemic Cause for Hepatic Portal Venous Gas: Case Report.** Urology case reports. 2017;12:31-3.

Emery JD, Jefford M, King M, Hayne D, Martin A, Doorey J, Hyatt A, Habgood E, Lim T, Hawks C, Pirota M, Trevena L, Schofield P. **ProCare Trial: a phase II randomized controlled trial of shared care for follow-up of men with prostate cancer.** BJU international. 2017;119(3):381-9.

Hayne D. **Bladder cancer – Old lessons yet to be learned.** BJU international. 2017;119 Suppl 5:7.

Hayne D, Stockler M, McCombie SP, Lawrence N, Martin A, Sengupta S, Davis ID. **BCG + Mitomycin trial for high-risk non-muscle-invasive bladder cancer: progress report and lessons learned.** BJU international. 2017;119 Suppl 5:55-7.

McCombie SP, Bangash HK, Kuan M, Thyer I, Lee F, Hayne D. **Delays in the diagnosis and initial treatment of bladder cancer in Western Australia.** BJU international. 2017;120 Suppl 3:28-34.

## Vascular Surgery



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### Projects

Title	CPI/PI
BIOTRONIK 4French for AMBulatory peripheral intervention. A multicenter, controlled trial comparing 4French versus 6French femoral access for endovascular treatment of lower-extremity peripheral artery disease in an ambulatory setting: BIO4AMB	Shirley Jansen



### Publications

Doyle BJ, Norman PE, Hoskins PR, Newby DE, Dweck MR. **Wall Stress and Geometry of the Thoracic Aorta in Patients With Aortic Valve Disease.** Annals of Thoracic Surgery. 2017;27:27.

Lacey B, Golledge J, Yeap BB, Lewington S, McCaul KA, Norman PE, Flicker L, Almeida OP, Hankey GJ. **Systolic Blood Pressure and Vascular Disease in Men Aged 65 Years and Over: The HIMS (Health in Men Study).** Hypertension (Dallas, Tex : 1979). 2017;69(6):1053-9.

Moran CS, Biros E, Krishna SM, Wang Y, Tikellis C, Morton SK, Moxon JV, Cooper ME, Norman PE, Burrell LM, Thomas MC, Golledge J. **Resveratrol Inhibits Growth of Experimental Abdominal Aortic Aneurysm Associated With Upregulation of Angiotensin-Converting Enzyme 2.** Arterioscler Thromb Vasc Biol. 2017;37(11):2195-203.

Krishna SM, Seto SW, Jose R, Li J, Moxon J, Clancy P, Crossman DJ, Norman P, Emoto TI, Golledge J. **High serum thrombospondin-1 concentration is associated with slower abdominal aortic aneurysm growth and deficiency of thrombospondin-1 promotes angiotensin II induced aortic aneurysm in mice.** Clin Sci (Colch). 2017;131(12):1261-81.

Drewe CJ, Parker LP, Kelsey LJ, Norman PE, Powell JT, Doyle BJ. **Haemodynamics and stresses in abdominal aortic aneurysms: A fluid-structure interaction study into the effect of proximal neck and iliac bifurcation angle.** J Biomech. 2017;60:150-6.

Kelsey LJ, Powell JT, Norman PE, Miller K, Doyle BJ. **A comparison of hemodynamic metrics and intraluminal thrombus burden in a common iliac artery aneurysm.** Int j numer method biomed eng. 2017;33(5).

# Service Four

## Aged Care



5

4



### Projects

Title	CPI/PI
An Analysis and Evaluation of Nurse Absenteeism and Perceptions of Nurse Unit Managers Regarding Nursing Staff Absenteeism at Fremantle Hospital.	Monica Ticharwa
Investigating the pharmacodynamics of the acetylcholine-esterase inhibitors and therapeutic benefits on osteoporotic bones.	Sneha Bharadwaj
Prospective Study of Sleep Wake Disturbances in Stroke Survivors and its Effect on Rehabilitation Outcome	Mayura Iddagoda
RAndomised trial to imProve the quality of llfe of people with Dementia RAPID Trial	Roger Clarnette
Randomised trial to improve the quality of life of people with Dementia and their carers	Andrew Ford



### Publications

Parrao T, Brockman S, Bucks RS, Bruce DG, Davis WA, Hatch KK, Leavy TL, Axten CAP, Starkstein SE. **The Structured Interview for Insight and Judgment in Dementia: Development and validation of a new instrument to assess awareness in patients with dementia.**

Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring. 2017;7:24-32.

Sutherland GT, Lim J, Srikanth V, Bruce DG. **Epidemiological Approaches to Understanding the Link between Type 2 Diabetes and Dementia.** Journal of Alzheimer's Disease. 2017;59(2):393-403.

Brown BM, Sohrabi HR, Taddei K, Gardener SL, Rainey-Smith SR, Peiffer JJ, Xiong C, Fagan AM, Benzinger T, Buckles V, Erickson KI, Clarnette R, Shah T, Masters CL, Weiner M, Cairns N, Rossor M, Graff-Radford NR, Salloway S, Voglein J, Laske C, Noble J, Schofield PR, Bateman RJ, Morris JC, Martins RN. **Habitual exercise levels are associated with cerebral amyloid load in presymptomatic autosomal dominant Alzheimer's disease.** Alzheimer's and dementia: the journal of the Alzheimer's Association. 2017;13(11):1197-206.

Clarnette R, O’Caoimh R, Antony DN, Svendrovski A, Molloy DW. **Comparison of the Quick Mild Cognitive Impairment (Qmci) screen to the Montreal Cognitive Assessment (MoCA) in an Australian geriatrics clinic.** International journal of geriatric psychiatry. 2017;32(6):643-9.

## Emergency



7

25



## Projects

Title	CPI/PI
A randomised trial of patient centered intervention to reduce re-presentations of older people at risk after discharge from the emergency department	Glenn Arendts
An observational study of the enhanced risk stratification Nomogram in oldEr ED patients (NEED)	Glenn Arendts
Australian Snake Bite Project	Yusuf Nagree
Comparison of Analgesic Effect of Femoral Nerve Block Versus Fascia Iliaca Compartment Block Conducted Under Ultrasound Guidance for the Purpose of Pain Relief in Those Patients Presenting With a Neck of Femur Fracture of Proximal Fracture Within the Emergency Department	P Watson
Patient outcomes for those receiving CPAP for severe respiratory distress in the prehospital setting	Glenn Arendts
REstricted Fluid RESuscitation in Sepsis-related Hypotension (REFRESH Trial)	Glenn Arendts
The Development of an Occupational Therapy Pathway for Mild Traumatic Brain Injury	Sharmila Vaz



## Publications

Arendts G. **How comprehensive is comprehensive enough? Emergency Department assessment of older people.** Age Ageing. 2017;46(3):340-1.

Arendts G, Burkett E, Hullick C, Carpenter CR, Nagaraj G, Visvanathan R. **Frailty, thy name is.** Emerg Med Australas. 2017;29(6):712-6.

Arendts G, Jan S, Beck MJ, Howard K. **Preferences for the emergency department or alternatives for older people in aged care: a discrete choice experiment.** Age Ageing. 2017;46(1):124-9.

Arendts G, Love J, Nagree Y, Bruce D, Hare M, Dey I. **Rates of Delirium Diagnosis Do Not Improve with Emergency Risk Screening: Results of the Emergency Department Delirium Initiative Trial.** J Am Geriatr Soc. 2017;65(8):1810-5.

Francis A, Bosio E, Stone SF, Fatovich DM, Arendts G, Nagree Y, Macdonald SP, Mitenko H, Rajee M, Burrows S, Brown SG. **Neutrophil activation during acute human anaphylaxis: analysis of MPO and sCD62L.** Clin Exp Allergy. 2017;47(3):361-70.

Francis A, Fatovich DM, Arendts G, Macdonald SP, Bosio E, Nagree Y, Mitenko HM, Brown SG. **Serum mast cell tryptase measurements: Sensitivity and specificity for a diagnosis of anaphylaxis in emergency department patients with shock or hypoxaemia.** Emerg Med Australas. 2017;02:02.

Fry M, Arendts G, Chenoweth L. **Emergency nurses' evaluation of observational pain assessment tools for older people with cognitive impairment.** J Clin Nurs. 2017;26(9-10):1281-90.

Halstrom A, MacDonald E, Neil C, Arendts G, Fatovich D, Fitzgerald M. **Elevation of oxidative stress indicators in a pilot study of plasma following traumatic brain injury.** J Clin Neurosci. 2017;35:104-8.

Harper KJ, Barton AD, Arendts G, Edwards DG, Petta AC, Celenza A. **Controlled clinical trial exploring the impact of a brief intervention for prevention of falls in an emergency department.** Emerg Med Australas. 2017;29(5):524-30.

Harper KJ, Barton AD, Bharat C, Petta AC, Edwards DG, Arendts G, Celenza A. **Risk Assessment and the Impact of Point of Contact Intervention Following Emergency Department Presentation with a Fall.** Physical and Occupational Therapy in Geriatrics. 2017:1-13.

Hullick C, Carpenter CR, Critchlow R, Burkett E, Arendts G, Nagaraj G, Rosen T. **Abuse of the older person: Is this the case you missed last shift?** Emerg Med Australas. 2017;29(2):223-8.

Lung T, Howard K, Etherton-Beer C, Sim M, Lewin G, Arendts G. **Comparison of the HUI3 and the EQ-5D-3L in a nursing home setting.** PLoS ONE. 2017;12(2):e0172796.

Macdonald SPJ, Bosio E, Neil C, Arendts G, Burrows S, Smart L, Brown SGA, Fatovich DM. **Resistin and NGAL are associated with inflammatory response, endothelial activation and clinical outcomes in sepsis.** Inflamm Res. 2017;66(7):611-9.

Macdonald SPJ, Taylor DM, Keijzers G, Arendts G, Fatovich DM, Kinnear FB, Brown SGA, Bellomo R, Burrows S, Fraser JF, Litton E, Ascencio-Lane JC, Anstey M, McCutcheon D, Smart L, Vlad I, Winearls J, Wibrow B. **REstricted Fluid RESuscitation in Sepsis-associated Hypotension (REFRESH): study protocol for a pilot randomised controlled trial.** Trials. 2017;18(1):399.

McLay SV, McCutcheon D, Arendts G, Macdonald SP, Fatovich DM. **Patient perspectives on priorities for emergency medicine research: The PERSPEX study.** Emerg Med Australas. 2017;21:21.

Morello RT, Morris RL, Hill KD, Haines TP, Arendts G, Redfern J, Etherton-Beer CD, Lowthian JA, Brand CA, Liew D, Watts JJ, Barker AL. **RESPOND: a programme to prevent secondary falls in older people presenting to the emergency department with a fall: protocol for an economic evaluation.** *Inj Prev.* 2017;23(2):124-30.

Morris RL, Soh SE, Hill KD, Buchbinder R, Lowthian JA, Redfern J, Etherton-Beer CD, Hill AM, Osborne RH, Arendts G, Barker AL. **Measurement properties of the Health Literacy Questionnaire (HLQ) among older adults who present to the emergency department after a fall: a Rasch analysis.** *BMC Health Serv Res.* 2017;17(1):605.

Smart L, Macdonald SPJ, Burrows S, Bosio E, Arendts G, Fatovich DM. **Endothelial glycocalyx biomarkers increase in patients with infection during Emergency Department treatment.** *J Crit Care.* 2017;42:304-9.

Spilsbury K, Rosenwax L, Arendts G, Semmens JB. **The Association of Community-Based Palliative Care With Reduced Emergency Department Visits in the Last Year of Life Varies by Patient Factors.** *Ann Emerg Med.* 2017;69(4):416-25.

Spilsbury K, Rosenwax L, Arendts G, Semmens JB. **The impact of community-based palliative care on acute hospital use in the last year of life is modified by time to death, age and underlying cause of death. A population-based retrospective cohort study.** *PLoS ONE.* 2017;12(9):e0185275.

Williams TA, Blacker D, Arendts G, Patrick E, Brink D, Finn J. **Accuracy of stroke identification by paramedics in a metropolitan pre-hospital setting: A cohort study.** *Australasian Journal of Paramedicine.* 2017;14(2).

Atkinson NSS, Bryant RV, Dong Y, Maaser C, Kucharzik T, Maconi G, Asthana AK, Blaivas M, Goudie A, Gilja OH, Nuernberg D, Schreiber-Dietrich D, Dietrich CF. **How to perform gastrointestinal ultrasound: Anatomy and normal findings.** *World journal of gastroenterology.* 2017;23(38):6931-41.

Dietrich CF, Goudie A, Chiorean L, Cui XW, Gilja OH, Dong Y, Abramowicz JS, Vinayak S, Westerway SC, Nolsoe CP, Chou YH, Blaivas M. **Point of Care Ultrasound: A WFUMB Position Paper.** *Ultrasound in medicine and biology.* 2017;43(1):49-58.

Borland M, Skarin D, Nagree Y. **Comparison of methods used to quantify general practice-type patients in the emergency department: A tertiary paediatric perspective.** *Emerg Med Australas.* 2017;29(1):77-82.

Jelinek GA, Marck CH, Weil J, Lane H, Philip J, Boughey M, Weiland TJ. **Skills, expertise and role of Australian emergency clinicians in caring for people with advanced cancer.** *BMJ supportive and palliative care.* 2017;7(1):81-7.

# Gastroenterology and Hepatology



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12



## Projects

Title	CPI/PI
A Multicenter, Randomized, Double-Blind, Placebo-Controlled Phase III Study to Evaluate the Efficacy and Safety of Elafibranor in Patients with Nonalcoholic Steatohepatitis (NASH) and fibrosis	Oyekoya Ayonrinde
A Phase 2b Randomised, Double blind, Placebo controlled, Parallel Adaptive 2 stage, multicentre Study to Evaluate the Safety and Efficacy of Oral PTG 100 Induction in Subjects with Moderate to Severe Active Ulcerative Colitis	Lena Thin
A phase 3 randomised, double-blind, placebo-controlled, multicentre study to evaluate the efficacy and safety of etrolizumab as an induction and maintenance treatment for patients with moderately to severely active Crohn's disease.	Lena Thin
A phase 3 Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Vedolizumab Subcutaneous as Maintenance Therapy in Subjects With Moderately to Severely Active Crohns Disease Who Achieved Clinical Response Following Open-Label Vedolizumab Intravenous Therapy.	Lena Thin
A Phase 3, Double-Blind, Randomized, Long-Term, Placebo-Controlled, Multi-Centre Study Evaluating the Safety and Efficacy of Obeticholic Acid in Subjects with Nonalcoholic Steatohepatitis	Oyekoya Ayonrinde
A Phase 3, Long-Term Active Treatment Extension Study of Mongersen (GED-0301) in Subjects With Chrohn's Disease	Callum Pearce
A Phase 3, randomized, double-blind, placebo-controlled, multicenter study to investigate the efficacy and safety of Mongersen (GED-0301) for the treatment of subjects with active Crohn's disease. Protocol No. GED-0301-CD-002	Callum Pearce
A Phase 3b Open-label Study to Determine the Long-term Safety and Efficacy of Vedolizumab Subcutaneous in Subjects with Ulcerative Colitis and Crohn's Disease	Lena Thin



A Phase 4, Double-Blind, Randomized, Placebo-Controlled, Multicenter Study Evaluating the Effect of Obeticholic Acid on Clinical Outcomes in Subjects with Primary Biliary Cholangitis	Sam Galhenage
An Open-Label Extension and Safety Monitoring Study of Moderate to Severe Ulcerative Colitis Patients Previously Enrolled in Etrolizumab Phase II/III Studies.	Lena Thin
An Open-Label, Extension And Safety Monitoring Study of Patients With Moderately To Severely Active Chrohn’s Disease Previously Enrolled In The Etrolizumab Phase III	Lena Thin
AzurRx: A multicentre open-label phase IIa study with escalating dose of MS1819-SD, to investigate the efficacy and safety of a Yarrowia lipolytica lipase preparation for the compensation of exocrine pancreatic insufficiency caused by chronic pancreatitis and/ or distal pancreatectomy	Callum Pearce
Biliary brush cytology for bile duct strictures: Prospective randomised trial of infinity brush vs the standard cytology brush.	Anurag Goel
Characteristics and prediction of patients with poor bowel preparation for colonoscopy	Oyekoya Ayonrinde
Controlled trial of a decision aid for Ulcerative Colitis patients : Enhancing patients quality of life, Empowerment n, Quality of decision making and disease control	Lena Thin
Endoscopist prediction of colonoscopy findings from pre-procedure data. Is colonoscopy like a box of chocolates or can we predict what we are going to find?	Oyekoya Ayonrinde
Endoscopist prediction of colonoscopy findings from pre-procedure data. Is endoscopy “like a box of chocolates” where you don’t know what you are going to find?	Oyekoya Ayonrinde
Entyvio (Vendolizumab IV) ExtendedAccess Program in Ulcerative Colitis and Crohn’s Disease	Lena Thin
Factors contributing to early postoperative endoscopic recurrence in Crohn’s disease.	Lena Thin
Phase 3 double blind, placebo-controlled, multicentre study of the efficacy and safety of etrolizumab during induction and maintenance in patients with moderate to severe active ulcerative colitis who are refractory to or intolerant of TNF inhibitors.	Lena Thin

Phase 3 Randomised, double – blind, double dummy, placebo controlled, multicentre study to evaluate the efficacy (induction of remission) and safety of etrolizumab compared with adalimumab and placebo in patients with moderate to severe ulcerative colitis who are naïve to TNF inhibitors.	Lena Thin
Pilot study to assess the feasibility of hospital alcohol screening and brief intervention with referral to general practice	Simon Hazeldine
Post operative feeding of colorectal surgery patients at Fiona Stanley Hospital and its impact on outcomes.	Azar B-Nejad
Prospective open label cohort study of biosimilar infliximab vs originator infliximab (“SAME” study).	Lena Thin
Sirolimus and microcytic anaemia: Effect on iron utilization and inflammation as compared to calcineurin inhibitors.	John Olynyk
Switching Australian patients with Moderate to severe IBD, in stable clinical remission from originator infliximab to biosimilar Inflectra, an open label, parallel cohort study.	Lena Thin
The Food Obstruction in Oesophagus and Drugs Study: A Double Blinded Randomised Control Trial of Drugs Versus Placebo In Soft Food Bolus Oesophageal Impactions	Richard Holman
The impact of alcohol consumption on tolerability and efficacy of bowel preparation for colonoscopy	Oyekoya Ayonrinde



## Publications

Ayonrinde OT, Oddy WH, Adams LA, Mori TA, Beilin LJ, de Klerk N, Olynyk JK. **Infant nutrition and maternal obesity influence the risk of non-alcoholic fatty liver disease in adolescents.** *J Hepatol.* 2017;67(3):568-76.

Pozniak KN, Pearen MA, Pereira TN, Kramer CSM, Kalita-De Croft P, Nawaratna SK, Fernandez-Rojo MA, Gobert GN, Tirnitz-Parker JEE, Olynyk JK, Shepherd RW, Lewindon PJ, Ramm GA.

**Taurocholate induces biliary differentiation of liver progenitor cells causing hepatic stellate cell chemotaxis in the ductular reaction: role in pediatric cystic fibrosis liver disease.** *Am J Pathol.* 2017;187(12):2744-57.

Ong SY, Gurrin LC, Dolling L, Dixon J, Nicoll AJ, Wolthuizen M, Wood EM, Anderson GJ, Ramm GA, Allen KJ, Olynyk JK, Crawford D, Ramm LE, Gow P, Durrant S, Powell LW, Delatycki MB. **Reduction of body iron in HFE-related haemochromatosis and moderate iron overload (Mi-Iron): a multicentre, participant-blinded, randomised controlled trial.** *Lancet Haematol.* 2017;4(12):e607-e14.

Gogoi-Tiwari J, Kohn-Gaone J, Giles C, Schmidt-Arras D, Gratte FD, Elsegood CL, McCaughan GW, Ramm GA, Olynyk JK, Tirnitz-Parker JEE. **The murine choline-deficient, ethionine-supplemented (CDE) diet model of chronic liver injury.** *J.* 2017;128:21.

Esegood CL, Tirnitz-Parker JE, Olynyk JK, Yeoh GC. **Immune checkpoint inhibition: prospects for prevention and therapy of hepatocellular carcinoma.** Clin. 2017;6(11):e161.

Warne CD, Zaloumis SG, Bertalli NA, Delatycki MB, Nicoll AJ, McLaren CE, Hopper JL, Giles GG, Anderson GJ, Olynyk JK, Powell LW, Allen KJ, Gurrin LC, HealthIron Study I. **HFE p.C282Y homozygosity predisposes to rapid serum ferritin rise after menopause: A genotype-stratified cohort study of hemochromatosis in Australian women.** J Gastroenterol Hepatol. 2017;32(4):797-802.

Ramanathan G, Olynyk JK, Ferrari P. **Diagnosing and preventing iron overload.** Hemodial. 2017;21 Suppl 1:S58-S67.

O'Hara S, Hodson S, Hernaman C, Wambeek N, Olynyk J. **Concordance of transient elastography and shear wave elastography for measurement of liver stiffness.** Sonography. 2017;4(4):141-5.

Holman R, Olynyk JK, Kulkarni H, Ferrari P. **Characterization of hepatic and cardiac iron deposition during standard treatment of anaemia in haemodialysis.** Nephrology. 2017;22(2):114-7.

Whalen NL, Olynyk JK. **Association of transferrin saturation with the arthropathy of hereditary hemochromatosis.** Clin Gastroenterol Hepatol. 2017;15(10):1507-8.

Gummer J, Trengove R, Pascoe EM, Badve SV, Cass A, Clarke P, McDonald SP, Morrish AT, Pedagogos E, Perkovic V, Reidlinger D, Scaria A, Walker R, Vergara LA, Hawley CM, Johnson DW, Olynyk JK, Ferrari P, Group HSC. **Association between serum hepcidin-25 and primary resistance to erythropoiesis-stimulating agents in chronic kidney disease: a secondary analysis of the HERO trial.** Nephrology. 2017;22(7):548-54.

Coutinho C, Coutinho-Silva R, Zinkevich V, Pearce CB, Ojcius DM, Beech I. **Sulphate-reducing bacteria from ulcerative colitis patients induce apoptosis of gastrointestinal epithelial cells.** Microb Pathog. 2017;112:126-34.

## General Medicine



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## Projects

Title	CPI/PI
Combining demographic, treatment and laboratory information with population pharmacokinetic modelling to select the best doses of clozapine for patients with difficult-to-treat psychoses.	David Joyce

# Hyperbaric Medicine



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## Projects

Title	CPI/PI
Assessment of the long term effects of the Hyperbaric environment on the Pulmonary function of Chamber attendants at a tertiary hospital hyperbaric medicine unit	Paul Schaper



## Publications

Sharp FC, Sayer MD. **A technical diving-related burns case: treatment in a remote location.**

Diving Hyperb Med. 2017;47(2):127-30.

Bennett M, Castanelli D, Gawthrop I, Hawkins G, Jenkins S, Mitchell S, Roberts L, Smart D, Szekely S, Wilkinson D, Grp ADADP. **Launch of the ANZCA Diploma of Advanced Diving and Hyperbaric Medicine.** Diving Hyperb Med. 2017;47(2):135-.

# Service Five

## Mental Health



Mental Health	4	15
Perinatal Mental Health	3	



## Projects

### Mental Health

#### CPI/PI

A mixed-methods investigation of perceived barriers and enablers of sport participation for young people experiencing a first episode psychosis.	Daniel Gucciardi
Depression in dementia	Andrew Ford
Identifying markers for psychosis and autism: a machine learning approach	Ashleigh Lin
Altitudes East-West: a randomised controlled trial of moderated online social therapy for carers of first episode psychosis clients in real world settings	Yael Perry

### Perinatal Mental Health

#### CPI/PI

547-PPD-202: A Multicenter, Randomized, Double Blind, Parallel Group, Placebo Controlled Study Evaluating the Efficacy, Safety, and Pharmacokinetics of SAGE547 Injection in the Treatment of Adult Female Subjects With Severe Postpartum Depression and Adult Female Subjects with Moderate Postpartum Depression and Adult Female Subjects with Moderate Postpartum Depression	Megan Galbally
South Metropolitan Pregnancy and Emotional Wellbeing Study (SMPEWS)	Megan Galbally
The development of a purpose-designed database and to collect perinatal and neonatal data from the Mental Health Mother and Baby Unit (MBU) at Fiona Stanley Hospital (FSH)	Megan Galbally



## Publications

Singh S, Ahmad H, John AP. **Lurasidone associated neutropenia.** The Australian and New Zealand journal of psychiatry. 2017;51(10):1055.

Haskey C, Galbally M. **Mood stabilizers in pregnancy and child developmental outcomes: A systematic review.** Australian and New Zealand Journal of Psychiatry. 2017;51(11):1087-97.

Frayne J, Nguyen T, Bennett K, Allen S, Hauck Y, Liira H. **The effects of gestational use of antidepressants and antipsychotics on neonatal outcomes for women with severe mental illness.** The Australian and New Zealand journal of obstetrics and gynaecology. 2017;57(5):526-32.

Frayne J, Nguyen T, Mok T, Hauck Y, Liira H. **Lithium exposure during pregnancy: outcomes for women who attended a specialist antenatal clinic.** Journal of psychosomatic obstetrics and gynaecology. 2017:1-9.

Nguyen T, Hauck YL, Pedruzzi RA, Frayne J, Rock D, Dragovic M. **Sexual health and sexual trauma in women with severe mental illness: An exploratory survey of Western Australian community mental health services.** Health care for women international. 2017;38(7):705-14.

Harrison CA, Hauck Y, Ashby R. **Breaking down the stigma of mental health nursing: A qualitative study reflecting opinions from western Australian nurses.** J Psychiatr Ment Health Nurs. 2017;24(7):513-22.

Galbally M, Buist A, Romans S. **Women's mental health.** Foundations of Clinical Psychiatry 4th edition ed. Melbourne: Melbourne University Publishing; 2017.

Galbally M, Spigset O, Johnson AR, Kohan R, Lappas M, Lewis AJ. **Neonatal adaptation following intrauterine antidepressant exposure: assessment, drug assay levels, and infant development outcomes.** Pediatr Res. 2017;82(5):806-13.

Galbally M, van IM, Permezel M, Saffery R, Lappas M, Ryan J, van Rossum E, Johnson AR, Teti D, Lewis AJ. **Mercy Pregnancy and Emotional Well-being Study (MPEWS): Understanding maternal mental health, fetal programming and child development. Study design and cohort profile.** Int J Methods Psychiatr Res. 2017;26(4).

Galbally M, Lewis AJ. **Depression and parenting: the need for improved intervention models.** Curr Opin Psychol. 2017;15:61-5.

Galbally M, Nguyen TN, Snellen M. **Commentary on RANZCP clinical practice guidelines for the management of schizophrenia and related disorders.** Australian and New Zealand Journal of Psychiatry. 2017;51(3):289-90.

Murthy P, Isaac M, Dabholkar H. **Mental Hospitals in India in the 21st century: transformation and relevance.** Epidemiol Psychiatr Sci. 2017;26(1):10-5.

Isaac M, Rief W. **Behavioural interventions for life style diseases: where are we now?** Current opinion in psychiatry. 2017;30(5):323-5.

Moran C, Beare R, Phan T, Starkstein S, Bruce D, Mizrahi R, Srikanth V. **Neuroimaging and its Relevance to Understanding Pathways Linking Diabetes and Cognitive Dysfunction.** J Alzheimers Dis. 2017;59(2):405-19.

Whitworth SR, Bruce DG, Starkstein SE, Davis WA, Davis TME, Skinner TC, Bucks RS. **Depression symptoms are persistent in Type 2 diabetes: risk factors and outcomes of 5-year depression trajectories using latent class growth analysis.** Diabetic Medicine. 2017;34(8):1108-15.

Davis WA, Zilkens RR, Starkstein SE, Davis TM, Bruce DG. **Dementia onset, incidence and risk in type 2 diabetes: a matched cohort study with the Fremantle Diabetes Study Phase I.** Diabetologia. 2017;60(1):89-97.



## State Rehabilitation Service



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### Projects

#### Title

#### CPI

The “Acquired Brain Injury: Recovery, Engagement, and Community Outcomes Via Evidence-based Rehabilitation” (ABI:RECOVER) study – the relationship between thinking skills and daily functioning in adults with brain injuries

Michael Weinborn

# Allied Health research



Allied Health projects	12	6
Collaborative projects	9	20



## Projects

Title	CPI/PI	Collaboration
A prospective multicentre, randomised controlled trial of Very Early Rehabilitation in Speech (VERSE) in patients with aphasia following acute stroke.	Ingrid Thorniley	Neurology
A randomised controlled trial (RCT) of a psychological intervention (Conquer Fear) to reduce clinical levels of fear of cancer recurrence in breast, colorectal and melanoma cancer survivors	Phyllis Butow	
A randomised controlled trial of nurse-supported telehealth for people with heart conditions. (Investigator initiated).	Andrew Maiorana	Cardiology
A randomised, controlled trial of water-based exercise in people with stable coronary heart disease. (Investigator initiated).	Andrew Maiorana	Cardiology
A review of the Nutritional Management of Adult Burns Patients Throughout Australia and New Zealand	Michelle Cork	Burns
An observational study of the enhanced risk stratification Nomogram in oldEr ED patients (NEED)	Glenn Arendts	Emergency Medicine
Assessment of the energy and protein intake of patients with >5% TBSA burns admitted to FSH State Adult Burns Unit WA	Michelle Cork	Burns
Correlation between site of stroke lesion and pushing behaviour	Robyn Fary	
Implementation of the Trunk Impairment Scale for the assessment of trunk function in a stroke population	Robyn Fary	



Localisation skills in patients with conductive and mixed hearing loss using middle ear and bone conduction implants; Is there any benefit?	Roberta Marino	
Measuring hospital plate wastage using a mobile food record	Elizabeth Matthew	
Mechanical modulation of sclerotic and osteolytic bone metastases in advanced prostate and breast cancer patients through targeted exercise	Nicholas Hart	
Missing voices: Communication difficulties after stroke and traumatic brain injury in Indigenous Australians	Elizabeth Armstrong	
Oesophageal cancer and impact of dietetic involvement during combined chemotherapy and radiotherapy treatment.	Louise Nevin	
Prophylactic enteral feeding vs. oral diet or reactive tube feeding in patients with head and neck cancer undergoing curative radiotherapy +/- chemotherapy treatment at Fiona Stanley Hospital	Belinda Herrmann	
Reliability and Validity of the Four Point Pusher Scale: An Assessment Tool for Measuring Lateropulsion and Pusher Behaviour in Adults Following Stroke	Alisha Anderson	
TEXTMEDS – TEXT messages to improve MEDication adherence and secondary prevention. (Investigator initiated).	Andrew Maiorana	Cardiology
The Development of an Occupational Therapy Pathway for Mild Traumatic Brain Injury	Sue Winnall	
The effects of different intensity exercise training in patients with left ventricular assist devices: a multicentre, randomized, control trial. (Investigator initiated).	Andrew Maiorana	Cardiology
The impact of left ventricular assist device implantation on physical activity levels in patients with advanced chronic heart failure. (Investigator initiated).	Andrew Maiorana	Cardiology
Travelling for Treatment of a burn injury: the experiences of Aboriginal women who relocate to the State Adult Burns Unit at Fiona Stanley Hospital		



## Publications

Collaborative papers have been listed under other departments.

Van De Heyning P, Tavora-Vieira D, Mertens G, Van Rompaey V, et. al. **Towards a Unified Testing Framework for Single-Sided Deafness Studies: A Consensus Paper.** *Audiology and Neurotology.* 2017;21(6):391-8.

Divita C, George S, Barr CJ. **Traumatic brain injury and post-traumatic amnesia: a retrospective review of discharge outcomes.** *Brain Inj.* 2017;31(13-14):1840-5.

van der Lee L, Hill AM, Patman S. **A survey of clinicians regarding respiratory physiotherapy intervention for intubated and mechanically ventilated patients with community-acquired pneumonia. What is current practice in Australian ICUs?** *J Eval Clin Pract.* 2017;23(4):812-20.

van der Lee L, Hill AM, Patman S. **Efficacy of a respiratory physiotherapy intervention for intubated and mechanically ventilated adults with community acquired pneumonia: a systematic review protocol.** *JBI Database System Rev Implement Rep.* 2017;15(6):1508-11.

van der Lee L, Hill AM, Patman S. **After-hours respiratory physiotherapy for intubated and mechanically ventilated patients with community-acquired pneumonia: An Australian perspective.** *Aust Crit Care.* 2017(In Press).

Lambert K, Beer J, Dumont R, Hewitt K, Manley K, Meade A, Salamon K, Campbell K. **Weight management strategies for those with chronic kidney disease – a consensus report from the Asia Pacific Society of Nephrology and Australia and New Zealand Society of Nephrology 2016 renal dietitians meeting.** *Nephrology (Carlton, Vic).* 2017.

# Nursing research



5



3



## Projects

Title	CPI/PI
Change Fatigue: The frontline nursing experience of large scale infrastructure change and the influence of teamwork.	Joanna Camilleri
Exploring Recovery-Orientated Mental Health Practice in Nursing Care to Reduce Aggression.	Dianne Wynaden
Management of behavioural and psychological symptoms of dementia: Exploring the role of psychotropic medications and frequency of adverse health outcomes (falls) for older adults in Western Australia.	Karen Heslop
Nurses' perceptions and practices relating to patient sleep in the intensive care unit: A descriptive study	Rebecca Hahn
Profiling Health Literacy and Identifying Factors Influencing Outcomes in People with Type 1 Diabetes	Jennifer Nicholas



## Publications

Cooper AL, Kelly CM, Brown J. **Exploring the patient experience of living with a peripherally inserted central catheter (PICC): A pilot study.** Australian Journal of Cancer Nursing. 2017;18(1):10-4.

Cooper AL, Brown JA, Salathiel J, Gollner S, Childs F, Boucher E, Morris D, Riggall-Southworth B, Balinski L, Riches K, Dennis T, Timmings F. **Exploring patient experience and understanding of Chlorhexidine Gluconate preoperative washes: A cross-sectional survey.** Infection, Disease and Health. 2017;22(2):51-6.

Keane C, Allix S. **An investigation of nurse education service models in acute care metropolitan hospitals across Australia.** Nurse education in practice. 2017;28:202-11.

# In Focus

Profiling Health Literacy and Identifying Factors Influencing Outcomes in People with Type 1 Diabetes.

Jennifer Nicholas

## Understanding determinants of health

Understanding how health literacy impacts people with type 1 diabetes in managing their condition is part of a study being undertaken at the Fiona Stanley Hospital Diabetes Clinic by The University of Western Australia PhD student and Nurse Practitioner Jennifer Nicholas.

By looking at health literacy data, Jennifer's project aims to inform strategies which can be used to mitigate risk factors contributing to poorer diabetes health outcomes.

"The management of diabetes is complex and very unique to each person living with the condition," Jennifer said.

"We want to understand the relationship between health literacy, diabetes knowledge, contextual factors, psychological distress and coping styles, and how these may influence diabetes-related health outcomes.

"Healthcare professionals need to understand how to clearly identify individual barriers and then plan individual care accordingly. Understanding and having access to health information may be one of these barriers for patients."

The Australian Commission on Safety and Quality in Healthcare has identified that approximately 60 per cent of Australians have less than adequate health literacy.

"There is little Australian data showing the association between health literacy, knowledge and psychological factors associated with the burdens that can influence health outcomes for adults with type 1 diabetes," Jennifer said.

"This study aims to fill a gap in knowledge and provide data to guide our health care practices, with the aim of more targeted and personalised diabetes self-management education to every individual."

The study aims to recruit 100 participants.



Nurse Practitioner Jennifer Nicholas.

# Corporate research



Medical Education	2	3
Office of the Chief Executive	1	0



## Projects

Title	CPI/PI
Changes in intern awareness and knowledge of risks of ionising radiation exposure from common diagnostic imaging procedures after the introduction of a mandatory learning module.	Updesh Dhillon
'Clinical handover' Education for young doctors at Fiona Stanley Hospital: evaluating the impact of video-based teaching on knowledge, confidence and practice	Heidi Waldron
Exploring the perspectives of project staff, on patient involvement in healthcare projects, in Western Australian (WA) public hospitals and health services.	Melanie Wright



## Publications

Benwell N, Hird K, Thomas N, Furness E, Fear M, Sweetman G. **Effectiveness and efficiency of training in digital healthcare packages: training doctors to use digital medical record keeping software.** Australian health review : a publication of the Australian Hospital Association. 2017;41(5):479-84.

Li QC, Sweetman G. **A healthcare quality management system underpinning the 3-E model and its application in a new tertiary hospital in Australia.** International Journal of Nursing Sciences. 2017;4(2):112-6.

Bertilone CM, McEvoy SP, Gower D, Naylor N, Doyle J, Swift-Otero V. **Elements of cultural competence in an Australian Aboriginal maternity program.** Women and birth: journal of the Australian College of Midwives. 2017;30(2):121-8.

# Pharmacy



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5



## Projects

Pharmacy is involved as a supporting department in a large number of studies across SMHS. These projects have been recorded under the heading of the main research department.



## Publications

Rawlins M, Sanfilippo F, Ingram P, McLellan D, Crawford C, D'orsogna L, Dyer J. **Optimising adherence to advice from antimicrobial audit and feedback rounds.** J. Chemother 2018; 30: 59-62.

Davis A, Hanson M, Rawlins M, Robinson J, Benson S. **Vitamin T overdose?: examining the phenomenon of widespread use of the broad spectrum antimicrobial piperacillin/tazobactam.** Int Med J 2016; 46: 1116-7.

Ingram P, Rawlins M, Murray R, Roberts J, Manning L. **Tigecycline use in the outpatient parenteral antibiotic therapy setting.** Eur J Clin Micro Infect Dis 2016; 35: 1673-7.

O'Brien A, Rawlins M, Ingram P. **Appropriateness and determinants of antibiotic prescribing in an Australian emergency department.** Emerg Med Australasia 2015; 27: 83-4.

Braun L, Forrester C, Rawlins M, Levy R, Penm J, Graham M et al. **Complementary medicine use by people living with HIV in Australia – a national survey.** Int J STD and AIDS 2016; 27: 33-38.







# Rockingham Peel Group

## Rockingham Peel Group



Anaesthesia	2	10
Aged Care	1	
Cardiology	1	
Emergency	3	
Endocrinology	2	
Intensive Care	3	
Mental Health	3	
Rheumatology	1	



### Projects

#### Anaesthesia

#### CPI/PI

WA Neck of Femur Fracture Collaboration

Edmond O'Loughlin

PADDI – investigating the impact of dexamethasone on surgical site infection

Edmond O'Loughlin

#### Aged Care

#### CPI/PI

RANdomised trial to imPROve the quality of llfe of people with Dementia RAPID Trial

Roger Clarnette

#### Cardiology

#### CPI/PI

Is the incidence of heart attack still decreasing in Australia?  
Developing more reliable methods for monitoring trends in myocardial infarction and coronary heart disease (AUS-MOCHA)

Frank Sanfilippo

## Emergency

### CPI/PI

Australian Snake Bite Project

Yusuf Nagree

Functional status of survivors of out-of-hospital cardiac arrest in Perth, Western Australia

Daniel Fatovich

Patient outcomes for those receiving CPAP for severe respiratory distress in the prehospital setting

Glenn Arendts

## Endocrinology

### CPI/PI

Prevalence of Use of Technology in Patients with Type 1 Diabetes mellitus in patients at Rockingham General Hospital Outpatient Diabetes Service

Ken Thong

Use of the Hybrid Closed Loop System in People with Type 1 Diabetes and Impaired Awareness of Hypoglycaemia

Marie-Anne Buckhardt

## Intensive Care

### CPI/PI

A survey of Post-Intensive Care Syndrome in Patients Discharged from Intensive Care Units in Western Australia

Ravikiran Sonawane

Proton pump inhibitors Vs. histamine-2 receptor blockers for ulcer prophylaxis therapy in the intensive care unit (PEPTIC)

Edward Litton

Short period incidence study of severe acute respiratory infection SPRINT-SARI

Steve Webb

# In Focus

A survey of  
Post-Intensive  
Care Syndrome  
in Patients  
Discharged from  
Intensive Care  
Units in Western  
Australia.

Dr Ravikiran  
Sonawane

## Learning to thrive after a patient survives

Understanding the effect of surviving a stint in an intensive care unit (ICU) is the premise of a new study by Rockingham General Hospital ICU Consultant Dr Ravikiran Sonawane.

Dr Sonawane said the number of patients leaving ICU alive has increased steadily over the years.

“Survival rates in ICUs have been improving with enhanced care. Our focus is now shifting to not only improving survival but also quality of life, so patients can resume their baseline quality of life again after a significant stay in hospital,” he said.

“When patients leave ICU we are finding they have what we call ‘post-intensive care syndrome’ (PICS), where they suffer from physical weakness and mental affliction.

“These symptoms are serious and can last months and, in some cases, the rest of their lives.

“The effect of weakness has a huge impact on their day to day functioning and overall lifestyle. In addition to this, people can experience increased anxiety, nightmares, partial recollection and post-traumatic stress disorder symptoms which can be difficult to overcome without support.

“In the older population we are finding these after effects can sometimes change patient’s treatment decisions.”

The study will survey 100 patients throughout their first year of discharge from the ICU, at six and 12 month intervals, to analyse their emotional wellbeing and the community resources they may be using to aid their recovery.

Dr Sonawane hopes the study will help raise issues to shape the future of ICU services and allow for ICUs to offer follow up outpatient clinics.

“If we can extend the scope of an ICU beyond survival and into discharge we hope to assist patients in achieving a holistic recovery,” he said.

“By doing this research we can improve our practices and give patients the best chance at life.”



*Rockingham General Hospital ICU Head of Department and Researcher Dr Ravikiran Sonawane.*



## Projects

Mental Health	CPI/PI
A Mixed-Methods Investigation of Perceived Barriers and Enablers of Sport Participation for Young People Experiencing a First Episode Psychosis.	Daniel Gucciardi
Altitudes East-West: A randomised controlled trial of Moderated Online Social Therapy for carers of first episode psychosis clients in real world settings	Yael Perry
South Metropolitan Pregnancy and Emotional Wellbeing Study (SMPEWS)	Megan Galbally

Rheumatology	CPI/PI
Australian Rheumatology Association Database – A longitudinal study of the long-term effects of arthritis and its treatments in Australia (ARAD)	Helen Keen



## Publications

Harrison CA, Hauck Y, Ashby R. **Breaking down the stigma of mental health nursing: A qualitative study reflecting opinions from western Australian nurses.** J Psychiatr Ment Health Nurs. 2017;24(7):513-22.

Frayne J, Nguyen T, Bennett K, Allen S, Hauck Y, Liira H. **The effects of gestational use of antidepressants and antipsychotics on neonatal outcomes for women with severe mental illness.**

The Australian and New Zealand journal of obstetrics and gynaecology. 2017;57(5):526-32.

Frayne J, Nguyen T, Mok T, Hauck Y, Liira H. **Lithium exposure during pregnancy: outcomes for women who attended a specialist antenatal clinic.** Journal of psychosomatic obstetrics and gynaecology. 2017:1-9.

Singh S, Ahmad H, John AP. **Lurasidone associated neutropenia.** The Australian and New Zealand journal of psychiatry. 2017;51(10):1055.

Haskey C, Galbally M. **Mood stabilizers in pregnancy and child developmental outcomes: A systematic review.** Australian and New Zealand Journal of Psychiatry. 2017;51(11):1087-97.

Nguyen T, Hauck YL, Pedruzzi RA, Frayne J, Rock D, Dragovic M. **Sexual health and sexual trauma in women with severe mental illness: An exploratory survey of Western Australian community mental health services.** Health care for women international. 2017;38(7):705-14.

Yagnik L, Graves A, Thong K. **Plastic in patient study: Prospective audit of adherence to peripheral intravenous cannula monitoring and documentation guidelines, with the aim of reducing future rates of intravenous cannula-related complications.** Am J Infect Control. 2017;45(1):34-8.

McDonnell NJ, Paech MJ, Muchatuta NA, Hillyard S, Nathan EA. **A randomised double-blind trial of phenylephrine and metaraminol infusions for prevention of hypotension during spinal and combined spinal-epidural anaesthesia for elective caesarean section.** Anaesthesia. 2017;72(5):609-17.

Bowyer S, Prithviraj P, Lorigan P, Larkin J, McArthur G, Atkinson V, Millward M, Khou M, Diem S, Ramanujam S, Kong B, Liniker E, Guminski A, Parente P, Andrews MC, Parakh S, Cebon J, Long GV, Carlino MS, Klein O. **Reply to ‘Comment on ‘Efficacy and toxicity of treatment with the anti-CTLA-4 antibody ipilimumab in patients with metastatic melanoma after prior anti-PD-1 therapy’.** British journal of cancer. 2017;116(8):e15.

Nguyen T, Hauck YL, Pedruzzi RA, Frayne J, Rock D, Dragovic M. **Sexual health and sexual trauma in women with severe mental illness: An exploratory survey of Western Australian community mental health services.** Health care for women international. 2017;38(7):705-14.

# Appendix A: Submission template

## Research Annual Report: 2017

**Name:**

**SMHS site:**

**Service / specialty:**

### Research activity summary

You are being asked to provide a list of your publications from 2017, and other research activity, for the 2017 Research Report. It is not currently possible to gather this information from RGS or our other systems. If you need assistance collating your publications please contact the [library](#).

A list of current research projects derived from 2015–16 research report and the online Research Governance Service has been circulated to Heads of Service and trial coordinators.

**List all articles published in 2018 (provide in [Vancouver referencing style](#))**

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**List all grants/funding approved in 2017**

Research project name	Sponsor or funding body name

**Describe any other research translation activities occurring in 2018**

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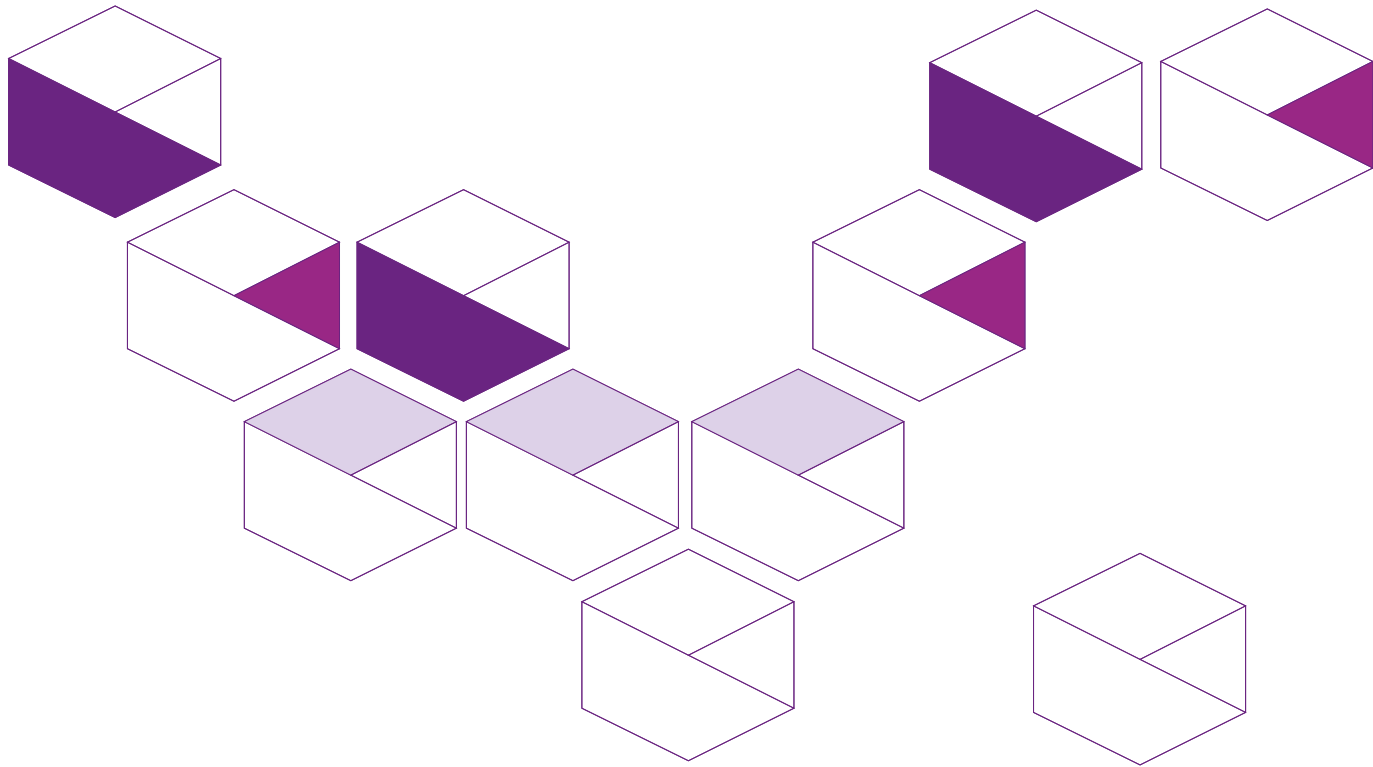
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*This document can be made available in alternative formats on request.*

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**[www.southmetropolitan.health.wa.gov.au](http://www.southmetropolitan.health.wa.gov.au)**

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