



Government of **Western Australia**
North Metropolitan Health Service
Sir Charles Gairdner Osborne Park Health Care Group



Research e-Report 2019-20



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Acknowledgement of Country and People

We acknowledge the Noongar people as the traditional owners and custodians of the land on which we work, and pay respect to their elders both past and present.

North Metropolitan Health Service recognises, respects and values Aboriginal cultures as we walk a new path together.

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Forewords

The Sir Charles Gairdner Osborne Park Health Care Group (SCGOPHCG) has a national and international reputation for ground-breaking research and is the largest public sector research hospital in Western Australia.

Home to highly acclaimed researchers in a number of fields, the SCGOPHCG undertake a wide range of translational research and clinical trials.

Sir Charles Gairdner Hospital has exceptionally strong links to all major WA universities including the University of Western Australia, Edith Cowan University, Curtin University, and the University of Notre Dame Australia as well as The Harry Perkins Institute of Medical Research.

This report celebrates the achievements of the SCGOPHCG researchers and reflects the professional commitment of the SCGOPHCG Department of Research in supporting researchers.



Janet Zagari
SCGOPHCG Executive Director

The commitment of SCGOPHCG Researchers to improving the lives of West Australians and contributing to the body of knowledge continues to ensure that we have an organisation which advances health care and improves patient outcomes. Research demands dedication, focus and a drive for excellence which benefits every patient who is cared for across the group, not just those patients directly involved in trials. This report reflects the diversity and extend of research across the campuses and highlights the incredible work being undertaken each day.

Over the past two years we have seen significant reform and development in the Department of Research to move from a regulatory function to the broader support and development focus which is now their mien. This is a change which has been driven by the team within the Department in response to feedback and engagement with our researchers and is an evolution of which the team are justifiably proud.



Dr Aron Chakera
SCGOPHCG Director of Research

This is the first report of a new series of e-reports from the SCGOPHCG Department of Research.

The report provides a snapshot of the depth and breadth of research undertaken across the site, celebrates the research achievements of our staff and emphasises how our research is improving outcomes for patients.

The results of SCGOPHCG Researchers is commendable and demonstrates how the work of staff is proving world-class health care for West Australians.

Overview

Research at a Glance

Research is integral to the delivery of quality health outcomes as well as advancing safer and more effective health care. Our Strategic Plan provides a roadmap to optimise the attraction and retention of high-calibre researchers and to foster growth and excellence.

We achieve this through a focus on four pillars:

- grow research capacity
- raise the profile of research
- build cohesive inter-professional research teams
- build infrastructure to support research sustainability

Health and medical research is supported by contributions from our partners that include the State Government, non-government organisations, not-for-profit groups and the private sector.



What We Did

- retained a strong research focus, with **905 publications in peer-reviewed journal articles, books or book chapters by our staff**
- commenced **193 new research projects**, joining our **696 continuing projects**
- **80%** of our research being **investigated-led**
- commenced **13 COVID-related research projects and clinical trials**, including collaboration on four studies to develop COVID-19 vaccines and therapeutic interventions
- **\$744,623 received in grants from Charlies Foundation for Research** for projects approved in 2019/20
- **\$44.2 million received in grants and sponsorships** in total for projects approved in 2019/20*

*Data Source: Research Governance Service (RGS). Sources of funding may include commercial, university, and state or federal government grants. All figures are estimations and were based on information that was available at the time of data entry. The actual funding that is received by NMHS may differ. Does not include monies received for projects under way that obtained approval prior to 30 June 2019.

Coronavirus (SARS-CoV-2) and COVID-19 Research

SCGOPHCG researchers collaborated on the development of vaccines and therapeutic agents to the novel coronavirus, to ensure those affected receive appropriate health care. Four such studies were BRACE, SPRINT-SARI, REMAP-CAP and ASCOT.

BRACE

BCG vaccination to Reduce the impact of COVID-19 in Australian healthcare workers following Coronavirus Exposure SCGH is a participating centre for a randomised clinical trial that is investigating the use of the tuberculosis (Bacillus Calmette-Guerin – BCG) vaccine to see whether it will protect frontline healthcare workers against COVID-19 or reduce its severity until such time that a specific vaccine is developed. Researchers at Murdoch Children’s Research Institute have discovered that the BCG vaccine has positive off-target effects. As well as acting as a vaccine for tuberculosis, it is able to boost the immune system and therefore may help the body fight or destroy the virus. Around 550 NMHS staff have signed up for the year-long trial, which is expected to enrol 4000 healthcare workers from hospitals across Australia.



Professor Michaela Lucas is leading the BRACE trial, a multicentre randomised controlled clinical trial of the BCG vaccine against COVID-19 with Professors Peter Richmond, Laurens Manning and Nigel Curtis.

ASCOT

AustralaSian COVID-19 Trial One of 50 hospitals across Australia and New Zealand, SCGH is taking part in the ASCOT clinical trial led by The Peter Doherty Institute for Infection and Immunity. This trial will test two existing treatments in patients who have been hospitalised for COVID-19. One of the drugs is an antiretroviral usually used to treat HIV infection, while the other is a drug usually used to treat rheumatoid arthritis or malaria. The study will recruit patients who have been admitted to hospital for moderate severity disease with the aim of preventing deterioration and the need for ventilator (breathing) support in intensive care. The study will test whether each treatment, or a combination of the two, will improve outcomes for COVID-19 patients. The ASCOT uses an adaptive approach similar to REMAP-CAP so that new and emerging evidence may be used, and an effective treatment found much sooner, and thus has the potential to save lives.



SPRINT-SARI

Short PeRiod IncideNce sTudy of Severe Acute Respiratory Infection Through the Australian and New Zealand Intensive Care Society Critical Trials Group, SCGH is taking part in an international multicentre observational study of patients who become unwell with a respiratory infection and require hospitalisation within 10 days. Severe acute respiratory infection (SARI) continues to be of international concern as it has a high rate of mortality, particularly in vulnerable groups such as infants and the elderly. Data on diagnosis and treatment will be collected from all centres and used to develop capability and preparedness for a future epidemic or pandemic.

REMAP-CAP

A Randomised, Embedded, Multi-factorial, Adaptive Platform trial for Community-Acquired Pneumonia Led by Monash School of Public Health and Preventive Medicine, SCGH is one of over 200 sites taking part in a global study to simultaneously evaluate multiple treatment options for community-acquired pneumonia (CAP). Treatments include antiviral, immune modulation, steroid and macrolide antibiotics. The majority of people admitted to hospital during a respiratory pandemic are admitted as a result of CAP, which is a leading cause of death from infection worldwide and places a significant burden on our healthcare systems. Although the study has been running for a number of years, it was recently adapted to evaluate respiratory disease caused by COVID-19 through the inclusion of additional treatment interventions. The study will use clinical evidence to determine the best treatment or combination of treatments for CAP due to COVID-19 to improve patient outcomes.

Our COVID-19 Research Involvement

RGS PRN	Title	Lead HREC	Sites
RGS000000925	Randomized, Embedded, Multifactorial Adaptive Platform trial for Community-Acquired Pneumonia	Sydney Local Health District (NSW)	RPH, FSH, SCGH
RGS0000003937	Virucidal proof-of-concept study of Nasodine® (povidone-iodine 0.5%) nasal spray in people with COVID-19 and confirmed nasal shedding of coronavirus.	SCGH	SCGH
RGS0000003975	Australasian COVID-19 Trial (ASCOT)	Melbourne Health (VIC)	FSH, RPH, SCGH, PATHWEST
RGS0000003976	ISARIC/WHO Clinical Characterisation Protocol for Severe Emerging Infections	SMHS	FSH, RPH, SCGH, PATHWEST
RGS0000003986	BCG vaccination to Reduce the impact of COVID-19 in Australian healthcare workers following Coronavirus Exposure (BRACE) Trial	Royal Children's Hospital (VIC)	PCH, FSH, SCGH
RGS0000004017	Staff lived experience of working in an Australian tertiary adult intensive care unit during the COVID-19 pandemic - a phenomenology study	SCGH	SCGH
RGS0000004020	Comprehensive health implications of coronavirus (COVID-19) exposure in the community. (approval pending)	WACHS	FSH, RPH, KEMH, OPH, RGH, AHS, SCGH & WACHS sites
RGS0000004023	Pharmacokinetic evaluation of Novel Agents in COVID-19 induced exaggerated inflammation (Pk-NAVlgate)	SMHS	FSH, RPH, SCGH, PATHWEST
RGS0000004054	Australian Cardiovascular COVID-19 Database (AUS-COVID)	NSLHD HREC (NSW)	FSH, RPH, SCGH, PATHWEST
RGS0000004057	Persistent lung and arterial inflammation following COVID-19 pneumonia	SCGH	SCGH, RPH, FSH
RGS0000004070	Use of Next Generation Sequencing for the Identification of Known and Novel Inborn Errors of Immunity (IEI) in COVID-19 Patients	SLHD HREC (NSW)	FSH, PCH, RPH, SCGH
RGS0000004113	COVER-AU Study: COVID-19 Vascular Service Study Australia. The impact of COVID-19 pandemic on the provision, practice and outcomes of vascular surgery in Australia	SMHS	FSH, SCGH

Innovations

Reducing blood transfusions and length of stay

Clinical Nurse Consultant Linda Campbell was the 2019 finalist in the Federal Health Minister's Award for Nursing Trailblazers, for her work in Blood Management. Linda's leadership and collaboration with patients, surgeons and General Practitioner has improved the safety and overall hospital experience for elective orthopaedic patients and contributed to the health economy. Blood transfusion rates have reduced significantly through techniques such as iron infusions and erythropoietin, saving blood for those who desperately need it, and saving \$1.2 million from the State's annual health budget in transfusion costs alone.

During Research Week 2019 (Oct 21–25), Linda shared her latest study which found sarcoma patients undergoing surgery with haemoglobin (Hb) $\geq 130\text{g/L}$ and adequate iron had reduced length of stay and need for blood transfusions perioperatively ($p < 0.01$). The study supports greater adoption of blood management and revision of existing transfusion guidelines.



Linda Campbell
Clinical Nurse Consultant

Improving detection of post-partum incontinence

SCGOPHCG Research Advisory Committee (RAC) Grant winner: Improving detection of post-partum incontinence OPH sonographer Mieke Tye, in collaboration with nurse researcher Dr Vicki Patton, is researching the prevalence of pelvic floor injury after birth. The aim of the project is to investigate the number of women who injure their pelvic floor muscle after having their first child. The project includes obtaining 3D reconstructed images of their pelvic floor via ultrasound and surveying the new mothers to enquire about symptoms of incontinence.

World-first research to improve outcomes for home dialysis

Currently, 23 per cent of Western Australians receive their dialysis at home. There are two different types of dialysis; peritoneal dialysis and haemodialysis. Haemodialysis relies on a machine to pump blood out of the body through an artificial filter, for four to five hours at a time, three times a week. Commonly performed at a clinic or hospital, haemodialysis, while life prolonging, can negatively impact the individual's quality of life and ability to earn an income.

Taking place daily at home, peritoneal dialysis uses the peritoneal membrane, the tough lining of the abdominal wall, to act as a filter for blood within the body when the kidneys can no longer do the task. This can be performed while the individual is asleep, reading a book, or doing their normal activities. The benefit of home dialysis is many patients are able to return to or continue in the workforce.

However, a life-threatening infection of the peritoneal cavity known as peritonitis remains a constant threat for the person undergoing peritoneal dialysis. Peritonitis is the most common complication of peritoneal dialysis. It is usually caused by bacteria or fungi and requires urgent diagnosis and treatment.

Consultant Nephrologist Dr Aron Chakera and his team are leading research into two new diagnostic tests for peritonitis that will potentially result in earlier diagnosis and targeted treatment. Dr Chakera believes the solution could lie in two tests that significantly reduce the time to identify the cause of infection, enabling earlier treatment and reduced severity of infection. One of the tests provides almost immediate confirmation of infection. The second test, which has been developed in WA by PathWest, is able to reduce the wait time to confirm antibiotic resistance profiles from days, to hours. This means the treating doctor can prescribe the right antibiotic up front.

Organ donation under the microscope Supported by Charlies Foundation for Research

Even after a successful transplant, organ rejection remains a significant risk for recipients, with only 50–70 per cent of donor organs functioning within five years. Many recipients experience organ rejection despite taking drugs to suppress their body's immune system. While these anti-rejection drugs are effective at preventing rejection over the short term, they suppress the entire immune system, making patients vulnerable to serious infections and even cancer over a long period of time.

Clinical immunologist Professor Michaela Lucas and her colleagues are working to improve kidney, heart and liver transplant success rates with the purchase of a new microsurgical microscope funded by the Charlies Foundation for Research. This microscope will help researchers develop and test new drugs to aid in the prevention of acute and chronic organ rejection.

The new \$27,500 next-generation OPMI-7D microscope is one of only a few which allow more efficient testing of new drugs that may be approved for clinical care in the future.

The microscope allows for microsurgical techniques to be practised to support pre-clinical trial modelling of organ transplantation and rejection. The microscope has an added benefit as it offers junior medical staff who are seeking a career in surgery with an opportunity to develop complex surgical skills, while working with a mentor as the scope has a dual head permitting two surgeons to work simultaneously.

Grants

Research Grants Supported by **Charlies** Foundation for Research

Charlies Foundation for Research is a key partner for research at Sir Charles Gairdner Hospital and Osborne Park Hospital, committed to providing over \$750,000 of funding every year.

Donations have allowed for more research initiatives and other important projects to be funded than ever before. With the help of our donors, the community, we have supported many great initiatives over the past few years including research grants, research poster competitions, small grants as well as assisting in the purchase of much needed equipment, art restorations and more.

Taking on some of the biggest health concerns and ensuring research undertaken is translated into real, patient centred outcomes leading to meaningful impact.



Vicki Rasmussen
Executive Director
Charlies Foundation for Research

2019-20 successful projects:

Title	CPI	Department
The role of NKT cells in the outcome of liver transplantation in a murine model.	Professor Gary JEFFREY	Hepatology
The role of soluble citrate in the pathobiology of Malignant Pleural Mesothelioma (MPM).	Professor Y C Gary LEE	Respiratory Medicine

Title	CPI	Department
MIDODRINE for the prevention and treatment of postoperative hypotension after total hip arthroplasty-MIHIP Trial.	Mark LENNON	Anaesthesia
Early cancers occurring after kidney transplantation: can these be prevented?	Clinical Professor Wai LIM	Renal Medicine
Assessing the role of IL-33 in short and long-term lung transplant outcomes.	Professor Michaela LUCAS	Immunology
Application of an ex-vivo hydrogel model to assess and reverse airway smooth muscle cell stiffness in COPD.	Professor Alan L JAMES	Pulmonary Physiology and Sleep Medicine
Identifying risk factors for hepatocellular carcinoma in NASH Cirrhosis.	A/Professor Leon ADAMS	Hepatology
Vasopressor dependent shock: intravenous vitamin C versus placebo on vasopressor use. The VALENCIA study.	Dr Matthew ANSTEY	Intensive Care
Point of care (POC) testing to improve outcomes in peritoneal dialysis associated peritonitis.	Dr Aron CHAKERA	Renal Medicine
Loss of BAP1 and CDKN2A/p16 in malignant pleural mesothelioma: effect on survival and response to chemotherapy.	Professor Jenette CREANEY	Respiratory Medicine
Increased adipose tissue within the airway wall and its relation to lung function.	Mr John ELLIOT	Pulmonary Physiology and Sleep Medicine
Neuropsychological deficits, mental health and thyroid metabolism.	Clinical Professor John WALSH	Endocrinology and Diabetes
Functional characterisation of novel mutations in the CASR gene detected in patients with Familial Hypocalciuric Hypercalcaemia (FHH).	Dr Bryan WARD	Endocrinology and Diabetes
Improving efficiency of functional screening assays for genetic regulatory elements in common complex disease.	A/Professor Scott WILSON	Endocrinology and Diabetes
The Second Steroid Therapy and Outcome of Parapneumonic Pleural Effusion (STOPPE-2) trial for patients with Hospital-acquired Pneumonia.	Ms Natalia POPOWICZ	Pharmacy
Morbidity Outcomes in Polycystic Ovary Syndrome (PCOS).	Clinical Professor Bronwyn STUCKEY	Diabetes and Endocrinology

Title	CPI	Department
The use of novel magnetic resonance imaging techniques to investigate lung structure and ventilation during airway clearance techniques in adults with cystic fibrosis.	Dr Anna TAI	Respiratory Medicine
Prevalence of pelvic floor injury and clinical symptoms in post-partum primiparous women at Osborne Park Hospital.	Mrs Mieke TYE	Radiology
Nutritional support and exercise training to improve muscle mass in those with advanced thoracic cancers.	Dr Rajesh THOMAS	Respiratory Medicine
Ethanol abstinence compliance optimisation using measurements of erythrocyte phosphatidylethanol.	Professor Gerry MACQUILLAN	Hepatology
Pushing the length of stay in stroke rehabilitation: what has lateropulsion got to do with it?	Jessica NOLAN	Physiotherapy
Contribution of the gut microbiome to autoimmune thyroid disease.	Vijay PANICKER	Endocrinology and Diabetes
Clinical implementation of 3D printed Brachytherapy surface-applicators for high dose rate Brachytherapy in Radiation Oncology.	Dr Martin EBERT	Radiation Oncology

2019 Innovation Grants

Badges to show during METS to clearly identify which team's Doctor's

The MET Committee accepted the offer of funding from 2019 innovation grant program to produce stickers to hopefully better identify responding MET team members to each other and local clinical staff. They are labelled in different colours:

- MET HDU (blue)
- MET Anaes (green)
- MET Med (orange)
- MET CNS (red)

There is a huge potential for these to be very beneficial if going into a room in PPE when we all look the same.

Anne Brinkworth
SCGH Medical Emergency Team Coordinator

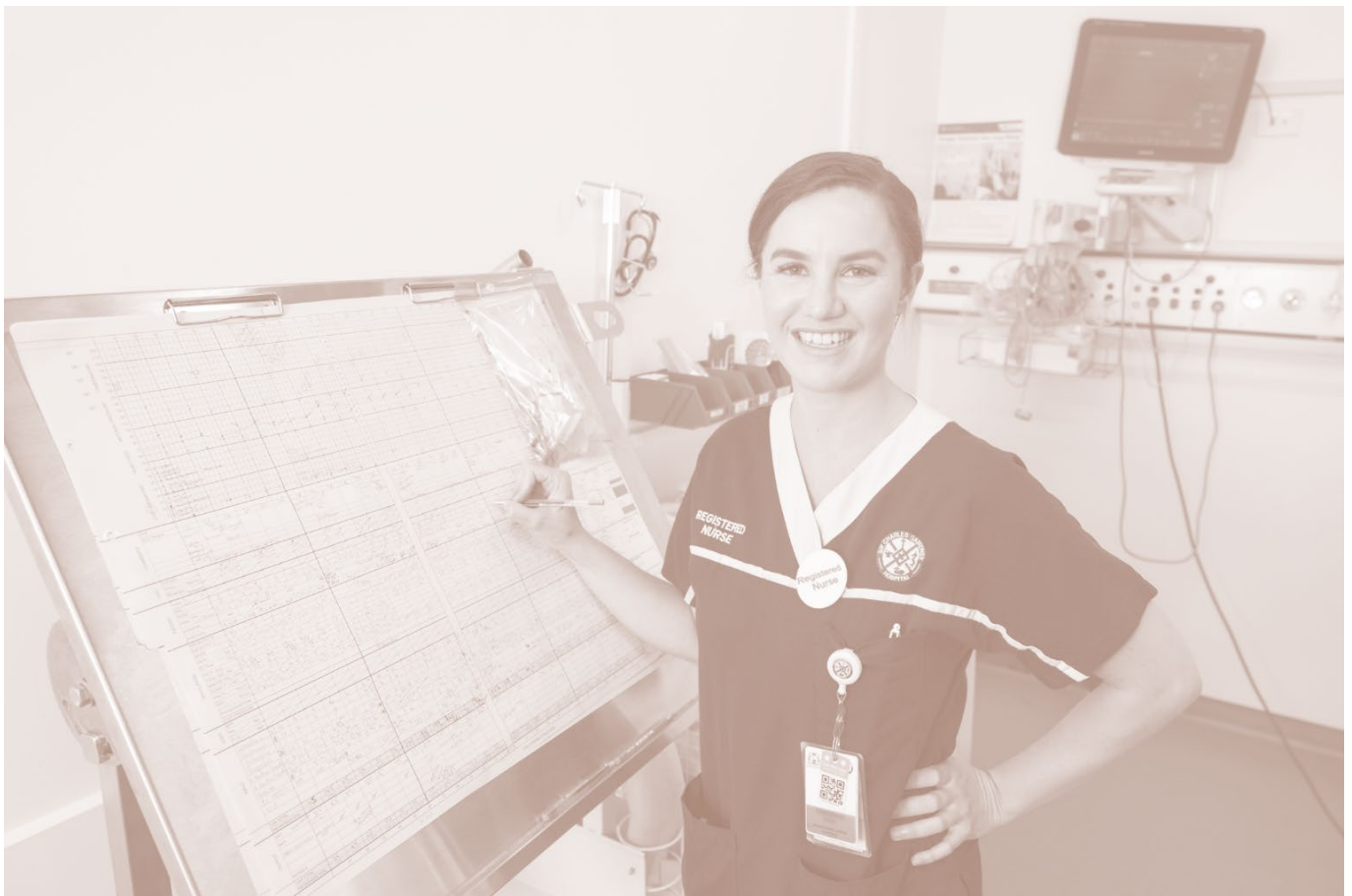
Creation of 'fasting' button on menu system, rather than changing diet to NBM

Feedback since the introduction of the fasting/NBM switch has been very positive. Previously Catering Services spent considerable resources in taking patient orders only for these to be deleted once a patient was deemed NBM. Frequently patients would be changed back to eating at future meals and were provided with anything that was suitable.

With the introduction of this innovation patient choices were kept and able to be seen at meal services allowing us to provide patients foods that they had chosen as part of our meal ordering system.

Our Catering Team appreciate the innovation which assists us in an improved patient experience.

Stephen Baskeyfield
SCGH Manager Catering Services - Patient Meals, Catering



Ray Florence Shaw Grants

SCGOPHCG in collaboration with the Ray Florence Shaw Trust offer funding of up to \$30,000 for short-term research projects in cardiovascular or ophthalmology research to be conducted within SCGOPHCG and completed within the financial year.

Funding is available to support projects that promote the advancement of knowledge and training within SCGOPHCG by means of study and research into the causes, prevention and treatment. Each year, one grant for cardiovascular and one grant for ophthalmology research is available:

Cardiovascular research

To promote the advancement of knowledge and training within the hospital by means of study and research into the cause and prevention of diseases of the heart and blood vessels and without limiting the generality of the foregoing the diagnosis, treatment and prevention of coronary artery disease, myocardial infarction, cardiac arrhythmias and valvular heart disease

Ophthalmology research

To promote the advancement of knowledge and training within the hospital by means of study and research into the cause and prevention and treatment of diseases of the eyes and without limiting the generality of the foregoing the diagnosis, treatment and prevention of the retinal disease, glaucoma, the pathology of scarring in the eye, studies in corneal tissue typing, keratorefractive surgery, laser treatment, tissue culture, therapeutic diagnostic and surgical modalities, clinical medical and surgical ophthalmology, optics, electrophysiology of the eye and the pharmacology of drugs used in eye treatment.

2019-20 successful projects:

Title	CPI	Department
Safety, tolerability and effect on inflammatory marker of colchicine in people with advanced diabetic chronic kidney disease	Clinical Professor Wai LIM	Renal Medicine
Defining the earliest dynamic alterations to the macular microcirculation in diabetes mellitus using optical coherence tomography angiography	Dr Vignesh RAJA	Eye Clinic

Events

Research Week 2019

The Sir Charles Gairdner and Osborne Park Health Care Group Department of Research, in collaboration with Charlies Foundation for Research hosts an annual Research week to showcase the advances made by staff in improving the health of our community.

Research Week 2019 was held at Sir Charles Gairdner Hospital and Osborne Park Hospital 21-25 October. The week included a variety of events, including a poster showcase, new investigator presentations, keynote address and research related workshops.

Congratulations to our Research Week 2019 winners!

Scientific Poster Showcase Awards	
First place	The Technique and Accuracy of Breast Specimen Ultrasound <i>Natalie Perera, Dr Anita G Bourke</i>
Second place	The immune response to liver transplantation <i>Amy Prosser, Wen Hua Huang, Liu Liu, Sarah Dart, Monalyssa Watson, Bastiaan de Boer, Gary Jeffrey, Silvana Gaudieri, Luc Delriviere, Axel Kallies, Michaela Lucas</i>
Third place	An audit of best practice multidisciplinary care for people with dementia admitted for rehabilitation at Osborne Park Hospital (OPH) <i>Toni Heinemann, Lisa Barry, Meegan Truarn, Georgia Miller, Chloe Fettes, Anna Barkla, Minna Porter, Erin Vito</i>
People's Choice Award	Measuring Energy Expenditure During Pulmonary Exacerbations of Cystic Fibrosis Using Indirect Calorimetry <i>Jordan Henderson (nee Luck), Siobhain Mulrennan, Janica Jamieson, Catherine Properzi, Anna Tai</i>

New Investigator Presentation Awards	
Medical/Scientific Award	Open to interpretation: patients' understanding of prescription medication label directions. A qualitative study <i>Andrew Campbell</i>
Nursing Award	Should we change the Hb thresholds for Sarcoma patients undergoing surgery? <i>Linda Campbell</i>
Allied Health Award	Exercise during a Hypoxic Challenge Test alters air travel recommendations <i>Ashvin Isaac</i>

Peter Thompson Award

The SCGOPHCG Research Advisory Committee in collaboration with the Charlies Foundation for Research, offers up to \$30,000 to SCGOPHCG grant applicants to complete short-term research projects within the financial year.

Applications are reviewed by independent assessors, who score the applications against a range of criteria.

Professor Gerry Macquillan received the highest score in this year's round of applicants for his research proposal: "*Ethanol abstinence compliance optimisation using measurements of erythrocyte phosphatidylethanol.*" and received the Peter Thompson Award to acknowledge this achievement.

Congratulations to all of the winners, and a big 'Thank you!' to Charlies Foundation for Research for their continued support of Research Week.



Projects

New research projects

183 new projects for Sir Charles Gairdner Hospital

PRN	Project Title	CPI Name	Research Department
RGS0000000004	Restoration of the microbiome in critical illness: the ROCIT trial	Edward Litton	Intensive Care Unit
RGS0000000034	ATOMIC STUDY: A Randomized, Double-Blind, Phase 2/3 Study in Subjects with Malignant Pleural Mesothelioma with Low Argininosuccinate Synthetase 1 Expression to Assess ADI-PEG 20 with Pemetrexed and Cisplatin (ATOMIC-Meso Phase 2/3 Study)	Anna Nowak	Medical Oncology
RGS0000000062	Modified forced expiration technique using expiratory resistance in adults with cystic fibrosis	Kathryn Watson	Allied Health
RGS0000000065	Effects of high intensity interval training on exercise capacity in people with cystic fibrosis: a randomised controlled trial	Abbey Sawyer	Physiotherapy
RGS0000000072	Incidence and Clinical Outcomes of Takotsubo Cardiomyopathy in Western Australia	Carl Schultz	Cardiovascular Medicine
RGS0000000073	Clinical outcomes, safety and incremental cost effectiveness of multi-level airway surgery in patients with moderate-severe Obstructive Sleep Apnoea (OSA) who have failed medical management	Nigel McArdle	Pulmonary Physiology and Sleep Medicine
RGS0000000086	Australian Genomics Health Alliance: Preparing Australia for Genomic Medicine	Nigel Laing	Renal Medicine
RGS0000000093	A Randomized, Double-blind, Placebo-controlled Study to Assess the Effects of Bempedoic Acid (ETC-1002) on the Occurrence of Major Cardiovascular Events in Patients with, or at high risk for Cardiovascular Disease who are Statin Intolerant	Carl Schultz	Cardiovascular Medicine
RGS0000000117	BMS Protocol CA209-915 A Phase 3, Randomized Study of Adjuvant Immunotherapy with Nivolumab Combined with Ipilimumab Versus Ipilimumab or Nivolumab Monotherapy after Complete Resection of Stage IIIb/c/d or Stage IV Melanoma	Tarek Meniawy	Medical Oncology
RGS0000000125	Enhancing rehabilitation services for Aboriginal Australians after brain injury	Elizabeth Armstrong	Neurology
RGS0000000135	PROfound Study A phase 3 open label randomised study to assess the efficacy and safety of Olaparib vs enzalutamide or abiraterone in men with castrate resistant prostate cancer who have failed prior treatment with a new hormonal agent and have a homologo	Siobhan Ng	Medical Oncology
RGS0000000136	NOVARTIS CPDR001F2301: A randomized, double-blind, placebo-controlled, phase III study comparing the combination of PDR001, dabrafenib and trametinib versus placebo, dabrafenib and trametinib in previously untreated patients with unresectable or metasta	Tarek Meniawy	Medical Oncology
RGS0000000137	Severe antibiotic anaphylaxis study	Michaela Lucas	Immunology
RGS0000000150	PEARL - A randomised phase 3 trial of Palliative care in Early Advanced Lung Cancers.	Rajesh Thomas	Respiratory Medicine
RGS0000000163	A Phase 3, Multicenter, Randomized, Open-label, Active-controlled Study to Assess the Efficacy and Safety of Marabavir Treatment Compared to Investigator-assigned Treatment in Transplant Recipients with Cytomegalovirus (CMV) Infections that are Refractory	Gerry MacQuillan	Gastroenterology/Hepatology

Project Title	CPI Name	Research Department	Project Title
RGS0000000183	Establishing an Australian reference range for striatal binding in patients with Parkinson's disease and healthy controls with 6-[18F]fluoro-L-3,4-dihydroxyphenylalanine (F-DOPA) PET.	Nelson Loh	Nuclear Medicine
RGS0000000203	The role of executive function in discourse production and health related quality of life in aphasia.	Sarah Wynn	Speech Pathology
RGS0000000225	The extent to which a professional development program can support caring nursing practice in Western Australia hospitals.	Tonia Naylor	Centre for Nursing Research
RGS0000000235	Protection Against Incidence of Sudden Cardiovascular Events Study With Daily Fish Oil Supplementation in Dialysis Patients (PISCES Study)	Wai Lim	Renal Medicine
RGS0000000238	Radiation versus Observation following surgical resection of Atypical Meningioma: a randomised controlled trial. The ROAM trial	Suki Gill	Radiation Oncology
RGS0000000251	A Phase II study of local therapy only (stereotactic radiosurgery and or surgery) for treatment of up to 5 brain metastases from HER2 positive Breast Cancer.Local HER-O	mandy taylor	Radiation Oncology
RGS0000000259	Transdermal Magnesium Supplementation for the Treatment of Muscle Cramps in Dialysis Patients	Neil Boudville	Renal Medicine
RGS0000000266	A Randomized, Double-Blind, Active-Controlled, Phase 3 Study to Evaluate the Safety and Efficacy of CCX168 (Avacopan) in Patients with Anti-Neutrophil Cytoplasmic Antibody (ANCA)-Associated Vasculitis Treated Concomitantly with Rituximab or Cyclophosphami	Aron Chakera	Renal Medicine
RGS0000000267	Prognostic significance of physical activity and sedentary behaviour in people with primary lung cancer who are not undergoing lung resection	Vinicius Cavalheri	Respiratory Medicine
RGS0000000287	CANSTEM-111P Study:A Phase III Study of BBI-608 plus nab-paclitaxel with Gemcitabine in Adult Patients with Metastatic Pancreatic Adenocarcinoma	Kevin Jasas	Medical Oncology
RGS0000000289	Quantitative Assessment of Regional Anaesthesia Study (QARAS): The use of ultrasound and needle motion analysis for ultrasound guided regional anaesthesia	Christopher Mitchell	Anaesthetics
RGS0000000297	Examining the relationship between self-awareness and its impact on functional and cognitive outcomes in post stroke patients: A Pilot Study	Toni Heinemann	Occupational Therapy
RGS0000000308	AML AbbVie: A Randomized, Double-Blind, Placebo Controlled Phase 3 Study of Venetoclax in Combination with Azacitidine Versus Azacitidine in Treatment Naïve Subjects with Acute Myeloid Leukemia who are Ineligible for Standard Induction Therapy	Peter Tan	Haematology
RGS0000000356	Australasian Malignant Pleural Effusion Trial - 3. A Randomised Study Comparing Combined Indwelling Pleural Catheter (IPC) and Talc Pleurodesis with Video-Assisted Thoracoscopic Surgery (VATS) for the Management of Patients with Malignant Pleural Effusio	Gary Lee	Respiratory Medicine
RGS0000000363	Liquid biopsy approaches to cancer diagnosis and management utilising pleural effusions	Katie Meehan	Medical Oncology
RGS0000000368	Characterising biomarkers of hypersensitivity reactions to drugs	Michaela Lucas	Immunology
RGS0000000394	Preventing rejection And allograft loss after kidney transplantation in indigenous Australians with end-stage kidney Disease through better Immunological Matching	Wai Lim	Renal Medicine

Project Title	CPI Name	Research Department	Project Title
RGS0000000413	EXPERT: A randomised phase III trial of adjuvant radiation therapy versus observation following breast conserving surgery and endocrine therapy in patients with molecularly characterised low-risk luminal A early breast cancer (ANZ1601/BIG 16-02)	mandy taylor	Radiation Oncology
RGS0000000425	The incremental utility of Cardiac Magnetic Resonance Imaging in clinical decision making in Myocardial Infarction with Non-Obstructed Coronary Arteries (MINOCA)	Adil Rajwani	Cardiovascular Medicine
RGS0000000444	OSCILLATE STUDY: Phase 2 trial of alternating osimertinib with gefitinib in patients with EGFR-T790M mutation positive advanced non-small cell lung cancer - Oscillate	Kevin Jasas	Medical Oncology
RGS0000000453	What's Their Story' The first rotation Graduate Registered Nurse's educational and learning journey in the Neonatal Intensive Care Unit.	Renee McKenzie	Centre for Nursing Research
RGS0000000458	The accuracy and clinical utility of violence risk assessment tools for the acute care setting	Amanda Towell-Barnard	Centre for Nursing Research
RGS0000000461	Driving performance and self-regulation practices in drivers with mild dementia	Lynn Meuleners	Department of Rehabilitation and Aged Care
RGS0000000463	Reduction of Oxygen After Cardiac Arrest: The EXACT study	Judith Finn	Emergency Department
RGS0000000480	rEECur: International Randomised Controlled Trial of Chemotherapy for the Treatment of Recurrent and Primary Refractory Ewing Sarcoma	Marianne Phillips	Medical Oncology
RGS0000000487	Accumulated secretions and associated physiology in patients with dysphagia	Alexandra Hunting	Speech Pathology
RGS0000000489	SYMPATICO - PCYC-1143-CA Phase 3 study of ibrutinib in combination with venetoclax in subjects with mantle cell lymphoma (MCL)	Chan Cheah	Haematology
RGS0000000492	COLUMBA - A Phase 3 Randomized, Multicenter Study of Subcutaneous vs. Intravenous Administration of Daratumumab in Subjects With Relapsed or Refractory Multiple Myeloma	Bradley Augustson	Haematology
RGS0000000500	A pilot study to evaluate the safety and immunogenicity of a personalised tumour neo-antigen peptide vaccine strategy in patients with completely resected Stage 1 or 2A non-small cell lung cancer	Bruce Robinson	Respiratory Medicine
RGS0000000505	What effect do different physiotherapy managements of the upper spine have on breathlessness and lung function following exercise in people with COPD?	Tamara Hatton	Physiotherapy
RGS0000000521	The effectiveness of complete decongestive therapy including an occupational therapy lymphoedema exercise protocol for individuals recovering from head and neck cancer treatments.	Tess McLaughlin	Occupational Therapy
RGS0000000533	Secretion accumulation and spontaneous swallow frequency in individuals without dysphagia	Alexandra Hunting	Speech Pathology
RGS0000000556	COMPARE Constraint Induced or Multi-Modal aphasia rehabilitation: An RCT for stroke related chronic aphasia	Miranda Rose	Speech Pathology
RGS0000000560	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	Heart Research Institute

Project Title	CPI Name	Research Department	Project Title
RGS0000000590	IKEMA - A phase 3, Randomized, isatuximab + carfilzomib (Kyprolis®) and dexamethasone versus carfilzomib with dexamethasone in patients with relapse and/or refractory multiple myeloma previously treated with 1 to 3 prior lines (EFC15246)	Bradley Augustson	Haematology
RGS0000000592	IMROZ - A phase 3 randomized study/ isatuximab (SAR650984) + bortezomib (Velcade®)+ Lenalidomide (Revlimid®) and dexamethasone versus bortezomib, lenalidomide and dexamethasone in patients with newly diagnosed multiple myeloma not eligible for transplant	Bradley Augustson	Haematology
RGS0000000607	Vasopressor dependent shock intravenous vitamin C versus placebo on vasopressor use.	Matthew Anstey	Intensive Care Unit
RGS0000000612	Impact of Personality Traits on Demoralisation in patients with Cystic Fibrosis	Anna Tai	Respiratory Medicine
RGS0000000621	SAfety, toleraBility and effect on inflammatory marker of Colchicine in kidney TRANSPLANT recipients	Wai Lim	Renal Medicine
RGS0000000623	A multicentre trial of Continuous Catheters in Adductor Canal versus Femoral Triangle locations for Total Knee Replacement Surgery	Alwin Chuan	Anaesthetics
RGS0000000628	A Randomised Controlled trial of Intravenous Immunoglobulin compared with pulse methyl-prednisolone for the treatment of chronic active antibody mediated rejection	William Mulley	Renal Medicine
RGS0000000636	Efficacy and cost effectiveness of a chronic disease management model in patients with decompensated cirrhosis.	Alan Wigg	Gastroenterology and Hepatology
RGS0000000639	Measuring financial toxicity in Australian cancer patients	Anna Nowak	Medical Oncology
RGS0000000642	Lighthouse Hospital Project Phase 3 - Project Evaluation	Connie Tira	Cardiovascular Medicine
RGS0000000655	The natural history of incidentally detected interstitial lung disease from lung cancer screening	Kuan Pin Lim	Respiratory Medicine
RGS0000000658	Liver Progenitor Cell Changes in the Pathogenesis of Primary Liver Malignancy	Leon Adams	Gastroenterology and Hepatology
RGS0000000675	Delegation practices between the Registered Nurse and the Assistant in Nursing in the acute care setting in Western Australia.	Carol Crevacore	Corporate Nursing
RGS0000000699	Efficacy and Safety Outcomes of Drainage of Intensive Care Pleural Effusions	Bradley Wibrow	Intensive Care Unit
RGS0000000700	Diabetic foot INfection LonGitudinal Outcome study (DINGO)	Edward Raby	Infectious Diseases
RGS0000000706	Management of chronic lower limb oedema: What challenges patient engagement? A pilot exploratory study of patients' perspectives.	Linda KHONG	Physiotherapy
RGS0000000707	The Australian Team Approach to Polypharmacy Evaluation and Reduction (AusTAPER) study for older hospital inpatients.	Christopher Etherton-Beer	Department of Rehabilitation and Aged Care
RGS0000000714	Fighting Fit: : A randomised controlled trial of a structured supervised exercise intervention during treatment for cancer in adolescents and young adults in Western Australia.	Claire Munsie	WA Youth Cancer Service
RGS0000000747	ANDROMEDA - A Randomized Phase 3 Study to Evaluate the Efficacy and Safety of Daratumumab in Combination with Cyclophosphamide, Bortezomib and Dexamethasone (CyBorD) Compared to CyBorD Alone in Newly Diagnosed Systemic AL Amyloidosis	Simon Gibbs	Haematology
RGS0000000756	Flexible Tip Bougie versus C-MAC Stylet in the management of anticipated difficult airway. A Pilot Study	Dale Currigan	Anaesthetics

Project Title	CPI Name	Research Department	Project Title
RGS0000000794	Lessons learned following an episode of intensive care unit crisis: what experienced Intensivists can teach their peers	Diane Dennis	Physiotherapy
RGS0000000797	TheraP: A randomised phase 2 trial of 177Lu-PSMA617 theranostic versus cabazitaxel in progressive metastatic castration resistant prostate cancer	Michael Hofman	Nuclear Medicine
RGS0000000820	Energy expenditure during cystic fibrosis pulmonary exacerbations and barriers to achieving nutrition related outcomes	Jordan Henderson	Nutrition and Dietetics
RGS0000000823	The interaction between obstructive sleep apnoea and cardiovascular risk factors on cardiovascular disease	Nigel McArdle	Pulmonary Physiology and Sleep Medicine
RGS0000000840	Steroid Therapy and Outcome of Parapneumonic Pleural Effusions (STOPPE)	Gary Lee	Respiratory Medicine
RGS0000000841	HD10-HD21 ALLG for Advanced stages. Treatment optimization trial in the first-line treatment of advanced stage Hodgkin lymphoma; comparison of 6 cycles of escalated BEACOPP with 6 cycles of BrECADD advanced stage Hodgkin lymphoma; comparison of 4-6 cycle	Julie Crawford	Haematology
RGS0000000844	Safely Preventing Errors and Complications due to Inappropriate Allergy Labelling (The SPECIAL Study) (Adult Arm)	Michaela Lucas	Immunology
RGS0000000848	Australia and New Zealand Emergency Laparotomy Audit Quality Improvement	Edmond O'Loughlin	General Surgery
RGS0000000849	WA Trauma Training and Education Unit - Training Needs Analysis 2018	Hannah Solomon	Western Australian Trauma Training and Education Unit (WATTEU)
RGS0000000852	The success of research implementation strategies on evidence based decision making by allied health managers: a randomised controlled trial.	Lauren Robins	Allied Health
RGS0000000856	The Medicines Management Mapping Project: Using risk stratification and care coordination to bridge the care continuum gap	Deirdre Criddle	Pharmacy
RGS0000000869	Creation of the Australasian Shunt Registry	Mark Dexter	Neurosurgery
RGS0000000887	The impact of an onsite toxicology service on ICU and medical length of stay in critically ill toxicology patients admitted to tertiary hospitals	Julia George	Emergency Department
RGS0000000889	Understanding Patients' Perspectives of the Experience of Receiving Diagnosis, Treatment for Sarcoma and the Role of a Sarcoma Cancer Nurse Consultant	Georgia Halkett	Orthopaedics
RGS0000000897	Youth Cancer Service Experience of Care Survey	Pandora Patterson	WA Youth Cancer Service
RGS0000000919	Perkins Biobank for Translational Cancer Medicine	Louise Winteringham	Medical Oncology
RGS0000000925	Randomized, Embedded, Multifactorial Adaptive Platform trial for Community-Acquired Pneumonia	Steven Webb	Intensive Care Unit
RGS0000000927	A Phase 3, Randomized, Double-blind Study of Adjuvant Nivolumab versus Placebo for Participants with Hepatocellular Carcinoma Who Are at High Risk of Recurrence after Curative Hepatic Resection or Ablation	Edmund Tse	Gastroenterology and Hepatology
RGS0000000929	Establishing the prevalence and burden of healthcare associated infections in Australian hospitals	Philip Russo	Corporate Nursing
RGS0000000933	The Impact of Expiratory Muscle Strength Training on Swallow Function in Motor Neurone Disease	Brittany Vogels	Speech Pathology

Project Title	CPI Name	Research Department	Project Title
RGS0000000965	Bridging the GAPP between the laboratory and clinic to prevent Gastric Adenocarcinoma and Proximal Polyposis of the Stomach (GAPPS)	Daniel Worthley	Gastroenterology and Hepatology
RGS0000000984	Exploring consumer understanding of prescription medication directions for use: barriers and enablers.	Andrew Campbell	Pharmacy
RGS0000000988	Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR) Patient Reported Outcome Measures (AOA PROMs) Pilot Project	Stephen Graves	Orthopaedics
RGS0000000989	RE: Participation in Protocol XL184-312 (COSMIC-312): A Randomized, Controlled Phase 3 Study of Cabozantinib (XL184) in Combination with Atezolizumab versus Sorafenib in Subjects with Advanced Hepatocellular Carcinoma Who Have Not Received Previous S	Candice Ingwersen	Gastroenterology and Hepatology
RGS0000000992	Nurses' Descriptions and Practices of Family Engagement in Intensive Care Settings: An International, Multisite Qualitative-Descriptive Study	Amanda Towell-Barnard	Centre for Nursing Research
RGS0000001003	Australasian Cardiac Outcomes Registry Ltd TAVI Registry	Gerald Yong	Cardiovascular Medicine
RGS0000001032	Multi-institution retrospective case-control study of Clostridium difficile ribotype 251 infection in Australia	Thomas Riley	PathWest
RGS0000001041	Management, Outcomes and Survival of an Australian IgG4 Cohort	William Kemp	Gastroenterology and Hepatology
RGS0000001043	Australasian Registry of the use of Parenteral Nutrition in Hospitalised Patients	Matthew Anstey	Nutrition and Dietetics
RGS0000001058	Efficacy, tolerability and predictors of add-on anti-epileptic medications and medical devices in refractory epilepsy: a phase IV pragmatic observational study	Wendyl D'Souza	Neurology
RGS0000001074	Kinetics of intravenous immunoglobulin in severe sepsis	Matthew Anstey	Intensive Care Unit
RGS0000001097	FORMA FT-2102 - A Phase 1/2, Multicenter, Open-label Study of FT-2102 as a Single Agent and in Combination with Azacitidine or Cytarabine in Patients with Acute Myeloid Leukemia or Myelodysplastic Syndrome with an IDH1 Mutation	Carolyn Grove	Haematology
RGS0000001105	A pilot study to assess feasibility, safety and efficacy of artificially introducing an air-pleura interface for detection of pleural nodules by CT scan (AIR)	Rajesh Thomas	Respiratory Medicine
RGS0000001145	Determining the support and education needs of patients diagnosed with head and neck cancer and their carers	Georgia Halkett	Radiation Oncology
RGS0000001146	The BEST-Fluids study: Better Evidence for Selecting Transplant Fluids	Steve Chadban	Renal Medicine
RGS0000001151	AEGIS 2: A Phase 3, Multicenter, Double-blind, Randomized, Placebo-controlled, Parallel-group Study to Investigate the Efficacy and Safety of CSL112 in Subjects with Acute Coronary Syndrome.	Gemma Figtree	Cardiovascular Medicine
RGS0000001154	The efficacy of rehabilitation for hereditary cerebellar ataxia. A randomised controlled trial.	Sarah Milne	Physiotherapy
RGS0000001160	Palmitoylethanolamide for the treatment of chronic nociceptive pain: a randomised double-blind placebo-controlled trial.	Daniel Ellyard	Pain Management
RGS0000001162	Intermittent infusion of lidocaine, magnesium sulphate and ketamine in the treatment of neuropathic pain, CRPS and fibromyalgia. A pilot feasibility study.	Daniel Ellyard	Pain Management
RGS0000001163	Peroral endoscopic myotomy (POEM) for motility disorders of the oesophagus: a prospective, observational study on clinical and technical outcomes	Spiro Raftopoulos	Gastroenterology and Hepatology

Project Title	CPI Name	Research Department	Project Title
RGS0000001164	The Australian Colonic LSL Endoscopic Resection Study. (ACE)	Spiro Raftopoulos	Gastroenterology and Hepatology
RGS0000001174	Care for older people in poor health: Piloting a process to identify and support family caregivers with low levels of health literacy	Christine Toye	Centre for Nursing Research
RGS0000001213	Hepatitis C DAA Treatment Failure with Corresponding Baseline and End-of-Treatment HCV viral variants for Resistance	Alex Thompson	Gastroenterology and Hepatology
RGS0000001217	UNITY: A Phase 2b Randomized Study to Assess the Efficacy and Safety of the Combination of Ublituximab + TGR-1202 with or without Bendamustine and TGR-1202 alone in Patients with Previously Treated Non-Hodgkin's Lymphoma	Pratyush Giri	Haematology
RGS0000001231	Aneurysm treatment using the Aptus Heli-FX endoanchor system global registry (ANCHOR)	Anthony Freeman	Heart Research Institute
RGS0000001235	PMC_TTAC-0001_04 Study: A Phase 1b, Open-Label, Safety & Tolerability Study of TTAC-0001 in Combination with Pembrolizumab in Patients with Recurrent Glioblastoma	Lawrence Cher	Medical Oncology
RGS0000001237	BRIGATINIB-2002 Study: Brigatinib in Patients With Anaplastic Lymphoma Kinase-Positive (ALK+), Advanced Non-Small-Cell Lung Cancer (NSCLC) Progressed on Alectinib or Ceritinib	Michael Millward	Medical Oncology
RGS0000001243	MK3457-587-00 MSD Advanced Tumours Extension Study: A Multicenter, Open label, Phase III Extension Trial to Study the Long-term Safety and Efficacy in Participants with Advanced Tumors Who Are Currently on Treatment or in Follow-up in a Pembrolizumab Tr	Michael Millward	Medical Oncology
RGS0000001246	A Randomized, Double-Blind, Placebo-Controlled, Dose Finding Study to Evaluate the Efficacy and Safety of Padsevonil as Adjunctive Treatment of Focal-Onset Seizures in Adult Subjects with Drug-Resistant Epilepsy (ARISE)	Nicholas Lawn	Neurology
RGS0000001271	Delivery of immunotherapy to cancer patients in the home setting: an exploratory study	Leanne Monterosso	Medical Oncology
RGS0000001275	A RANDOMIZED, MULTICENTER, DOUBLE-BLIND, PARALLEL-GROUP, ACTIVE-CONTROL STUDY OF THE EFFICACY AND SAFETY OF SPARSENTAN FOR THE TREATMENT OF IMMUNOGLOBULIN A NEPHROPATHY	Alexandra Dwyer	Renal Medicine
RGS0000001278	GMI-1271-301 - A Phase III Randomized, Double-Blind Trial to Evaluate the Efficacy of Uproleselan Administered with Chemotherapy versus Chemotherapy Alone in Patients with Relapsed/Refractory Acute Myeloid Leukaemia.	Gavin Cull	Haematology
RGS0000001296	Investigation of altered sensory nerve fibre structure and function in patients with lumbar radiculopathy and radicular leg pain	Brigitte Tampin	Physiotherapy
RGS0000001301	Randomized, Multicenter, Double-blind, Parallel, Active-control Study of the Effects of Sparsentan, a Dual Endothelin Receptor and Angiotensin Receptor Blocker, on Renal Outcomes in Patients with Primary Focal Segmental Glomerulosclerosis (FSGS)	Paul Champion de Crespigny	Renal Medicine
RGS0000001334	A Randomised Trial Comparing Simethicone With No Bowel Prep In Reducing Rectal Variability During Prostate Radiotherapy SPoRT - Simethicone	Jennifer Ward	Radiation Oncology
RGS0000001339	The Experiences of patients with Class III Obesity and their Journey in the Acute Care Setting: A Heuristic Inquiry	Amanda Towell-Barnard	Centre for Nursing Research

Project Title	CPI Name	Research Department	Project Title
RGS0000001344	Zoledronate in the prevention of Paget's - Long-term extension study	Mark Kotowicz	Endocrinology
RGS0000001349	Focal Ablative STereotactic RADiosurgery for Cancers of the Kidney - A Phase II Clinical Trial FASTRACK II	Shankar Siva	Radiation Oncology
RGS0000001358	Cluster Randomised Trial of Aspirin versus Low molecular weight heparin (CRISTAL)	Ian Harris	Orthopaedics
RGS0000001361	The Appropriateness of Coronary investigation in myocardial injury and Type 2 myocardial infarction "ACT-2"	Derek Chew	Cardiovascular Medicine
RGS0000001375	PRECISE STUDY A Phase II, Signal-Seeking Trial of the Clinical Benefit Rate Associated with Pamiparib in Subjects with Germline or Somatic BRCA1/2 High Grade Serous Ovarian Cancer or carcinosarcoma who have progressed on P-gp substrate chemotherapy or PA	Alison Freimund	Medical Oncology
RGS0000001419	The development of an ancillary neurological examination tool for nursing: The Mini-Neurosurgical Assessment Tool	Kylie Russell	Neurosurgery
RGS0000001426	The influence of patient characteristics on the assessment and management of pain: Creating new resources to enhance graduate nurses' insights and practice	Susan Slatyer	Centre for Nursing Research
RGS0000001429	NUTMEG STUDY: A Randomised Phase II Study of Nivolumab and Temozolomide vs Temozolomide alone in newly diagnosed Elderly patients with Glioblastoma (NUTMEG)	Anna Nowak	Medical Oncology
RGS0000001449	An investigator initiated and conducted, multicentre, randomised double blind controlled trial to assess the effectiveness and tolerability of ultra-low dose quadruple combination therapy (LDQT) in patients with hypertension. (QUARTET)	Shirley Jansen	Heart Research Institute
RGS0000001455	Perception of the Impact of a Pharmacy Education Clinic on Brain Cancer Patients and Health Professionals	Sarah Mackenzie	Pharmacy
RGS0000001456	PET/CT FIRST: A Prospective study of up-front PET/CT in guiding diagnostic interventions in investigating pulmonary nodules suspicious for lung cancer.	Rajesh Thomas	Respiratory Medicine
RGS0000001461	ALLG AMLM22: The International AML Platform Consortium (IAPC) trial	Andrew Wei	Haematology
RGS0000001467	Morbidity Outcomes in Polycystic Ovary Syndrome (PCOS)	Bronwyn Stuckey	Endocrinology
RGS0000001473	Systemic Lupus Erythematosus (SLE) Prospective Observational Cohort Study (SPOCS): Prospective observational cohort of patients with moderate-to-severe SLE to characterize cross-sectional and longitudinal disease activity, treatment patterns and effective	Alberta Hoi	Renal Medicine
RGS0000001475	Acerta ACE-CL-311 A Randomized, Multicenter, Open-Label, Phase 3 Study to Compare the Efficacy and Safety of Acalabrutinib (ACP-196) in Combination with Venetoclax with and without Obinutuzumab Compared to Investigator's Choice of Chemotherapy in Su	Gavin Cull	Haematology
RGS0000001502	A Phase I Study Evaluating the Safety, Tolerability, Efficacy and Pharmacokinetics of SCB-313, a Fully-Human TRAIL-Trimer Fusion Protein, for the Treatment of Malignant Pleural Effusions	Gary Lee	Respiratory Medicine

Project Title	CPI Name	Research Department	Project Title
RGS0000002989	A Phase 1b/2 study of KZR-616 in patients with Systemic Lupus Erythematosus with and without Nephritis	Aron Chakera	Renal Medicine
RGS0000003000	The Metformin Aneurysm Trial (MAT)	Jonathan Golledge	Heart Research Institute
RGS0000003016	Effect of Fish Oil on Arterial Inflammation in Patients with Elevated Lipoprotein (a)	Gerald Watts	Nuclear Medicine
RGS0000003042	Next generation sequencing in haematological malignancies - genomics risk stratification and health economics analysis	Xuan Ni Tan	Haematology
RGS0000003053	PIVOT IO: A Phase 3, Randomized, Open-label Study of NKTR-214 Combined with Nivolumab Versus Nivolumab in Participants with Previously Untreated Unresectable or Metastatic Melanoma	Shahneen Sandhu	Medical Oncology
RGS0000003090	Oral Magnesium supplementation and the effect on muscle cramps in dialysis patients	Neil Boudville	Renal Medicine
RGS0000003094	The effect of a supervised resistance exercise intervention on muscle morphology in advanced-stage epithelial ovarian cancer survivors who have completed first line treatment: A pilot randomised controlled trial	Christelle Schofield	Medical Oncology
RGS0000003136	The Brain Protection Company Pty Ltd Extravascular Carotid Artery Pulse Modulation Device: First In Human Study	Shirley Jansen	Heart Research Institute
RGS0000003141	Clinical correlation of disease with 3-hydroxy-3-methyl-glutaryl-CoA reductase (HMGCoA R) antibody levels in patients with antibody positive immune-mediated necrotising myopathy - a retrospective study.	Anna Bruschi	Immunology
RGS0000003154	A single centre phase II randomised, double-blinded placebo controlled cross over study, to examine the effect of anamorelin on cancer cachexia in patients with mesothelioma	Fraser Brims	Respiratory Medicine
RGS0000003165	EXPAND: The Psychosocial Experiences, Needs, and Priorities of Care for People Living With Mesothelioma and their Family Members/Carers	Lauren Breen	Respiratory Medicine
RGS0000003174	LEVERAGE - A Multicenter, Open Label, Phase Ib/II Study of Lenalidomide, Venetoclax and Obinutuzumab in Patients With Treatment-Naïve Follicular Lymphoma.	Chan Cheah	Haematology
RGS0000003199	AN OPEN-LABEL STUDY TO ASSESS THE EFFICACY AND SAFETY OF LM011 IN SUBJECTS DIAGNOSED WITH NON-ALCOHOLIC STEATOHEPATITIS (NASH)	Simone Strasser	Gastroenterology and Hepatology
RGS0000003209	TREBL-1 NHL31 ALLG An Open label, Multicentre, Phase I study of Ibrutinib, Rituximab, Valaciclovir and 3rd Party EBV specific T cells in Patients with immunosuppression related EBV-positive Brain and/or Systemic B cell lymphomas, that are relapsed/refrac	Chan Cheah	Haematology
RGS0000003213	LEAP-001: A Phase 3 Randomised, Open-label, Study of Pembrolizumab (MK-3475) Plus Lenvatinib (E7080 / MK7902) Versus Chemotherapy for First-line Treatment of Advanced or Recurrent Endometrial Carcinoma	Tarek Meniawy	Medical Oncology
RGS0000003225	A Phase 2, Randomised, Double-blind, Placebo-controlled Evaluation of the Safety and Efficacy of BMS-986165 with Background Treatment in subjects with Lupus Nephritis	Aron Chakera	Renal Medicine

Project Title	CPI Name	Research Department	Project Title
RGS0000003227	Intensive Care Nurses Perceptions on Barriers Impeding the Provision of End of Life Care in the Intensive Care Setting	Laura Posa	Intensive Care Unit
RGS0000003230	Association between sarcopenia status, chemotherapy toxicities and self-reported physical function in women with ovarian cancer receiving neoadjuvant chemotherapy: A cross-sectional study	Christelle Schofield	Medical Oncology
RGS0000003231	Electronic audit and feedback for patient safety in an Australian hospital setting	Theresa Marshall	Safety, Quality and Performance Unit
RGS0000003232	A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study Evaluating the Safety, Tolerability, and Efficacy of GS-9674 in Non-Cirrhotic Subjects with Primary Sclerosing Cholangitis	Mark Danta	Gastroenterology and Hepatology
RGS0000003237	Feasibility study of the InnoVein valve and delivery System for the treatment of Chronic Venous Insufficiency	Shirley Jansen	Heart Research Institute
RGS0000003244	PROTOCOL: A multi-centre retrospective study of low grade dysplasia in Barrett's Oesophagus assessed in expert centres across Australia: True progression to high grade dysplasia or missed lesion?	Andrew Taylor	Gastroenterology and Hepatology
RGS0000003252	A PHASE 3, RANDOMIZED, RATER-BLINDED, MULTI-CENTER STUDY TO EVALUATE THE EFFICACY AND SAFETY OF ALXN1840 ADMINISTERED FOR 48 WEEKS VERSUS STANDARD OF CARE IN PATIENTS WITH WILSON DISEASE AGED 12 YEARS AND OLDER WITH AN EXTENSION PERIOD OF UP TO 60 MONTHS	Simone Strasser	Gastroenterology and Hepatology
RGS0000003283	From Observing to Doing: Embedding Entrustable Professional Activities in Allied Health Placements	Marina Ciccarelli	Occupational Therapy
RGS0000003300	Family experience of an Australian adult intensive care unit waiting room - A mixed-method study	Jing Ning	Intensive Care Unit
RGS0000003332	EX-TEM: Phase III Trial of Extended Temozolomide in Newly Diagnosed Glioblastoma	Lucy Gately	Medical Oncology
RGS0000003335	The NOURISH point prevalence study: Nutritional Outcomes of patients Undergoing Resection for upper gastrointestinal cancer in Australian Hospitals.	Irene Deftereos	Nutrition and Dietetics
RGS0000003360	ASSURE - A phase 3b, Multicenter, Open-Label, Single-Arm Study of Acalabrutinib (ACP-196) in Subjects with Chronic Lymphocytic Leukemia	Gavin Cull	Haematology
RGS0000003365	Investigation of Shear Wave Elastography as a novel assessment tool of radiation-induced tissue fibrosis after treatment for breast cancer; An Exploratory Study.	Catherine Hunt	Breast Centre
RGS0000003398	The NINJA Clinical Trial: Novel Integration of New prostate radiation therapy schedules with adjuvant Androgen deprivation	Mark Sidhom	Radiation Oncology
RGS0000003400	A qualitative investigation of the psychosocial supportive care needs and support service use by Western Australians living with cancer	Georgia Halkett	Medical Oncology
RGS0000003413	C-POST/REGENERON 1788: A Randomized, Placebo-Controlled, Double-Blind Study of Adjuvant Cemiplimab Versus Placebo after Surgery and Radiation Therapy in Patients with High Risk Cutaneous Squamous Cell Carcinoma	EDWIN TAN	Medical Oncology
RGS0000003443	REGENERON 1613: A Phase 1, Open-Label, Dose-Escalation and Cohort Expansion First-in-Human Study of the Safety, Tolerability, Activity and Pharmacokinetics of REGN3767 (anti-LAG-3 mAb) Administered Alone or in Combination with REGN2810 (anti-PD-1 mAb) in	EDWIN TAN	Medical Oncology

RGS0000003474	A Phase 2, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety Efficacy, Pharmacodynamics, and Pharmacokinetics of SAR339375 for Subcutaneous Injection Administered Every Week in Patients with Alport Syndrome.	Aron Chakera	Renal Medicine
RGS0000003485	Effect of the MetaNeb® on lung clearance index, other measures of lung function and patient reported outcomes in adults admitted to hospital for an acute exacerbation of cystic fibrosis: a randomised controlled trial	Naomi Chapman	Physiotherapy
RGS0000003488	FASTtrack sepsis diagnosis study	Tim Inglis	Emergency Department
RGS0000003506	Integrating Tumour Mutational Burden (TMB) testing for appropriate selection of immuno-oncology therapy in metastatic melanoma	Timothy Humphries	Medical Oncology
RGS0000003522	Testing for phosphatidylethanol (PEth) in red blood cells as a measure of past alcohol exposure.	David Joyce	Gastroenterology and Hepatology
RGS0000003577	INDUCE-3: A Randomized, Double-Blind, Adaptive, Phase II/III Study of GSK3359609 or Placebo in Combination with Pembrolizumab for First-Line Treatment of PD-L1 Positive Recurrent/Metastatic Head and Neck Squamous Cell Carcinoma	EDWIN TAN	Medical Oncology
RGS0000003583	CheckMate 76K: A Phase 3, Randomized, Double-Blind Study of Adjuvant Immunotherapy with Nivolumab versus Placebo after Complete Resection of Stage IIB/C Melanoma	Tarek Meniawy	Medical Oncology
RGS0000003652	Evaluation of the Clinical Response to Lumacaftor with Ivacaftor in a Real World Setting.	Rebecca Brown	Respiratory Medicine
RGS0000003937	Virucidal pilot study of Nasodine® antiseptic nasal spray(povidone-iodine 0.5%) in people with COVID-19 and confirmed nasal shedding of coronavirus.	Peter Friedland	Respiratory Medicine

10 new projects for Osborne Park Hospital

PRN	Project Title	CPI Name	Research Department
RGS0000000036	Protective Vaccine Responses in Infants after Maternal Pertussis Vaccination	Peter Richmond	Women and Newborn Services
RGS0000000203	The role of executive function in discourse production and health related quality of life in aphasia.	Sarah Wynn	Rehabilitation and Aged Care
RGS0000000297	Examining the relationship between self-awareness and its impact on functional and cognitive outcomes in post stroke patients: A Pilot Study	Toni Heinemann	Rehabilitation and Aged Care
RGS0000000461	Driving performance and self-regulation practices in drivers with mild dementia	Lynn Meuleners	Rehabilitation and Aged Care
RGS0000000556	COMPARE Constraint Induced or Multi-Modal aphasia rehabilitation: An RCT for stroke related chronic aphasia	Miranda Rose	Finance and Business
RGS0000000707	The Australian Team Approach to Polypharmacy Evaluation and Reduction (AusTAPER) study for older hospital inpatients.	Christopher Etherton-Beer	Rehabilitation and Aged Care
RGS0000000988	Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR) Patient Reported Outcome Measures (AOA PROMs) Pilot Project	Stephen Graves	Executive
RGS0000001000	Stroke Peer Support Program at a Community Hospital	Rosemary Saunders	Rehabilitation and Aged Care
RGS0000001358	Cluster Randomised Trial of Aspirin versus Low molecular weight heparin (CRISTAL)	Ian Harris	Executive
RGS0000001490	Total knee arthroplasty with comparison of inset versus onlay patella replacement: investigation of anterior knee pain and function.	Jay Ebert	Surgical Services

Data Source: Research Governance Service (RGS). All figures are estimations and were based on information that was available at the time of data entry.

Achievements

Snapshot of Research Achievements Showcased by Department

Anaesthesia

Articles published in 2019 and 2020
Kaushalendra R, Weightman W, Teh M, Newman M. Extracorporeal membrane oxygenation-supported percutaneous angioplasty of coronary button stenosis after aortic root replacement. <i>Journal of Cardiac Surgery</i> . 10 May 2020
O'Hare K, Brinkmann S, Currigan D. Postoperative Delirium. <i>Australasian Anaesthesia</i> . 2019
Dobson RE, Gardner AI, Foley MJ. A simple method to deliver increased inspired oxygen to continuous positive airway pressure machines in the perioperative period: A benchtop study to determine feasibility. <i>Anaesthesia and Intensive Care</i> . 2020, Vol. 48(1) 66–67
Sidhu, N. Chan A, Lee E, Clissold E, Huddart S. A pilot study to assess the effect of a deliberate teaching tool in clinical anaesthesiology. <i>MedEdPublish</i> . 2019
Sadleir P, Platt P. Chlorhexidine anaphylaxis: Again and again. <i>Anaesthesia and Intensive Care</i> . 2019, Vol 47(1)
Calvert N, Smith A, Kuster L, Calvert M, Ebert J, Ackland T, Kuster M. The kneeling test is a valid method of assessing kneeling tolerance. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> . 2019. Vol 27, 3705–3712
Chuan A, Lansdown K, Brick KL, Bourgeois AJG, Pencheva LB, Hue B, Goddard S, Lennon MJ, Walters A, Auyong D. Adductor canal versus femoral triangle anatomical locations for continuous catheter analgesia after total knee arthroplasty: a multicentre randomised controlled study. <i>British Journal of Anaesthesia</i> . 2019, 123(3). 360-367
Sadleir P, Platt P, Clarke R, Bozic, B. Should surgery proceed or be abandoned after intra-operative anaphylaxis? A reply. <i>Anaesthesia</i> . 2019, 74, 247–263
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Rathore K, Yusoff R, Teh M, Jindal S, Wong D, Newman M. Left Atrial Anastomosing Hemangioma Causing Recurrent Pericardial Effusion. <i>The Annals of Thoracic Surgery</i> . 2020. Vol 109. p157-159
Anstey MH, Litton E, Palmer RN, Neppalli S, Tan BJ, Hawkins DJ, Krishnamurthy RB, Jacques A, Sonawane RV, Chapman AR, Norman R. Clinical and economic benefits of de-escalating stress ulcer prophylaxis therapy in the intensive care unit: A quality improvement study. <i>Anaesth Intensive Care</i> . 2019 Nov;47(6):503-509
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Conference presentations delivered in 2019 and 2020			
<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
ANZCA WA Country Conference 2019 Broome	CPET in major cancer surgery	Presentation	Jing Xiao
ANZCA ASM 2019 Kuala Lumpur	The impossible: Substance-abusing colleagues	Small group discussion	Prani Shrivastava
ANZCA ASM 2019 Kuala Lumpur	Anaphylaxis and allergy masterclass	Small group discussion	Russell Clarke
ANZCA ASM 2019 Kuala Lumpur	Case of povidone anaphylaxis administered via intravenous paracetamol BNM®	Poster	James Preuss
ANZCA ASM 2019 Kuala Lumpur	The use of high fidelity simulation in anaesthesia trainee selection: a review of eight years experience in the Western Australian Anaesthesia Training Program	Poster	Angela Palumbo
ANZCA ASM 2019 Kuala Lumpur	The effect of deep muscle relaxation on the force required during Latissimus Dorsi dissection for breast reconstructive surgery: results of a prospective, doubleblinded observational pilot study	Poster	Maya Calvert
ANZCA ASM 2019 Kuala Lumpur	Delayed post-operative bleeding in a patient with Plasminogen Activator Inhibitor-1 deficiency after cardiac surgery	Poster	Reza Yusoff
ANZCA ASM 2019 Kuala Lumpur	Post-operative hypotension: An audit of the incidence and severity in orthopaedic and general surgery patients at Sir Charles Gairdner Hospital, Western Australia	Poster	Paras Malik, Chris Mitchell
ANZCA ASM 2019 Kuala Lumpur	Primary total knee arthroplasty audit	Poster	Lucy Dempster
ANZCA ASM 2019 Kuala Lumpur	Confirmation of an epidemic of muscle relaxant anaphylaxis: obesity dramatically increases the risk of intraoperative anaphylaxis to muscle relaxants but not to prophylactic antibiotics	Poster	Catherine Goddard
ANZCA ASM 2019 Kuala Lumpur	Ten-year experience of extra corporeal support in a single centre in Western Australia	Poster	James Preuss

ANZCA ASM 2019 Kuala Lumpur	An unintended bolus of infusate when using a three way IV connector: a benchtop comparison of the Alaris Care Fusion TIVA three way set with the Go Medical Industries Triple lumen peripheral set	Poster	Dale Currigan
ANZCA ASM 2019 Kuala Lumpur	Anaesthesia for endovascular aortic aneurysm repair (EVAR) its influence on acute kidney injury: a retrospective audit	Poster	Dale Currigan
EPBOM-Asia 2019 Singapore	Development of an Optimized Ortho-Geriatric Surgical Pathway for prevention and management of delirium	Poster	Silke Brinkmann, Dale Currigan, Emelyn Lee

Grants/funding approved in 2019 and 2020

<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Administrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
Research Advisory Committee Grant	Midodrine for the prevention and treatment of orthostatic hypotension after total hip arthroplasty (MiHip study)	Mark Lennon, Dale Currigan	Sir Charles Gairdner Hospital	\$24000	2019	2020
ANZCA Project Grant	Palmitoylethanolamide (PEA) for the treatment of chronic pain – Dr Daniel Ellyard	Dan Ellyard	ANZCA	\$11,786	2019	2020

Staff with an adjunct appointment

<i>Institution</i>	<i>Number of staff</i>
University of Notre Dame	8
University of Western Australia	3
Edith Cowan University	1

Contributions to the research community

C/Prof Neville Gibbs - Reviewer for Anaesthesia and Intensive Care Journal
Dr Celine Baber – Reviewer for Anaesthesia and Intensive Care Journal
Dr Brien Hennessy – Reviewer for Anaesthesia and Intensive Care Journal
Dr Peter Platt - Reviewer for journals Anaesthesia and Intensive Care, Anesthesiology and British Journal of Anaesthesia
Dr Lindy Roberts – Reviewer for British Journal of Anaesthesia and Anaesthesia and Intensive Care
Dr William Weightman – Reviewer for British Journal of Anaesthesia and Anaesthesia and Intensive Care
Dale Currigan – Member of SCGH Research Advisory Committee

Breast Surgery

Conference presentations delivered in 2019 and 2020			
Conference name	Conference name	Conference name	Conference name
Australasian Society of Breast Disease 12th Scientific meeting	Stage IV Breast Cancer: Factors Affecting Survival Rates in a Tertiary Institution, a 7 year experience.	Oral	Abdullah Shehzad, Yang Yang Huang, Joshua Lin, Ananda Kallyani Ponniah
Australasian Society of Breast Disease 12th Scientific meeting	Impact of SSO-ASTRO Margin Guidelines on Re-operation Rates Following Breast Conserving Surgery: A single Tertiary Institution's Seven year Experience	Poster – Received best poster award	Ranesh Palan, Yang Yang Huang, Joshua Lin, Ananda Kallyani Ponniah
Milan Breast Network Annual Meeting 2019	Intraoperative axillary nodal assessment in invasive breast carcinoma. Is it still relevant in the era of axillary de-escalation	Oral	Joshua Lin, Yang Yang Huang, Ananda Kallyani Ponniah
Milan Breast Network Annual Meeting 2019	Impact of SSO-ASTRO Margin Guidelines on Re-operation Rates Following Breast Conserving Surgery: A single Tertiary Institution's Seven year Experience	Oral	Ranesh Palan, Yang Yang Huang, Joshua Lin, Ananda Kallyani Ponniah
Milan Breast Network Annual Meeting 2019	Tumour size affecting re-excision rates in image-guided breast conserving surgery for invasive cancers	Poster	Ranesh Palan, Simon Parys, Yang Yang Huang, Joshua Lin, Ananda Kallyani Ponniah
Royal Australasian College of Surgeons Annual Scientific Congress 2020	Audit of Patient Functional Morbidity outcomes post axillary surgery for breast cancer in an Australian Tertiary Breast Centre: a 6 year experience.	Oral	Pei Yinn Toh, Yang Yang Huang, Catherine Hunting, Roshi Kamyab, Ananda Kallyani Ponniah
Royal Australasian College of Surgeons Annual Scientific Congress 2020	B3 lesion upgrade rates in a Tertiary Australian Breast Centre: 8-year experience 2012-2019	Oral	Yang Yang Huang, Hyerin Park, Sally McLaren, Palan Thirunavukkarasu, Joshua Lin, Ramela Rajakaruna, Ravinder Dhillon, Ananda Kallyani Ponniah
Royal Australasian College of Surgeons Annual Scientific Congress 2020	Surgical treatment trends/patterns in patients under 40: A 5 year audit in a tertiary multidisciplinary breast practice.	Poster	Ali Fani, Yang Yang Huang, Joshua Lin, Ananda Kallyani Ponniah

Cardiothoracic Surgery

Articles published in 2019 and 2020
Fong L, Ko V, McLaughlin A, Joshi, P et al, Outcomes of video assisted thoracoscopic surgery lobectomy in septuagenarians. ANZ Journal of surgery. Vol 90. Issue 5. April 2020
Kaushalendra Rathore, FRACS, Reza Yussouf, MD, Mark Teh, MD et al. Left Atrial Anastomosing Hemangioma Causing Recurrent Pericardial Effusion. Annals of Thoracic Surgery. Published: August 17, 2019. DOI: https://doi.org/10.1016/j.athoracsur.2019.06.082

Kaushalendra Rathore FRACS, William Weightman FANZCA, Mark Teh FRANZCR, Mark Newman FRACS. Extracorporeal membrane oxygenation-supported percutaneous angioplasty of coronary button stenosis after aortic root replacement. <i>Journal of Cardiac Surgery</i> . 10 May 2020. DOI: https://doi.org/10.1111/jocs.14619
Kaushalendra Rathore, Evan Boon, Alex Wilson & Mark Newman. Two cases of heparin-induced thrombocytopenia after off-pump coronary artery bypass surgery. <i>Indian Journal of Thoracic and Cardiovascular Surgery</i> . volume 36, pages237–240(2020). DOI: 10.1007/s12055-019-00892-1
Kaushalendra Rathore, FRACS, Pradyot Saklani, MD , Justin Ng, MD. Surgical deployment of AtriClip in perforated Left Atrial Appendage during catheter ablation. <i>Annals of Thoracic Surgery</i> . Published: April 28, 2020 • DOI: https://doi.org/10.1016/j.athoracsur.2020.03.065
Kaushalendra Rathore, W Weightman, J Passage et al. Risk stratification using serum Lactate in patients undergoing Surgical Pulmonary Embolectomy. <i>J Cardiac Surgery</i> . DOI:10.1111/jocs.14652

Conference presentations delivered in 2019 and 2020			
<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
ANZSCTS ASM (Hobart)	Three year data on CoApt	Oral	Passage
Vietnamese Cardiac Surgery Conference	Minimally Invasive Mitral Valve Surgery	Oral	Passage
Structural Heart Disease, Australia	Thoracoscopic Left atrial appendage occlusion : An Alternative approach	Invited lecture	Pragnesh Joshi, Rukshen Weerasooriya
Structural Heart Disease, Australia	Hybrid catheter and Minimally invasive ablation of Persistent Atrial Fibrillation	Invited lecture	Pragnesh Joshi, Rukshen Weerasooriya
ANZSCTS ASM 2019	Role of OPCAB in current era	Invited lecture	Pragnesh Joshi, Paul Sadlier

Staff with an adjunct appointment	
<i>Institution</i>	<i>Number of staff</i>
University of Notre Dame	2
University of WA	3

Dietetics

Conference presentations delivered in 2019 and 2020			
<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
AuSPEN (Australian Society of Parenteral and Enteral Nutrition) – Webinar Series	Indirect Calorimetry – Applications in Clinical Practice	Webinar – as part of a nutrition series (27/10/20)	Bianca Mammana
13th Australasian Cystic Fibrosis Conference	Measuring Energy Expenditure during Pulmonary Exacerbations of CF using Indirect Calorimetry	e-poster + oral presentation	Jordan Henderson Siobhain Mulrennan Janica Jamieson Catherine Properzi Anna Tai

Grants/funding approved in 2019 and 2020						
<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Administrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
Sir Charles Gairdner and Osborne Park Health Care Group Research Advisory Committee (RAC) and the Charlies Foundation for Research (2019) – Small grant	Measuring energy expenditure during pulmonary exacerbations of cystic fibrosis using indirect calorimetry	Jordan Henderson, Siobhain Mulrennan, Janica Jamieson, Catherine Properzi, Anna Tai	Sir Charles Gairdner and Osborne Park Health Care Group Research Advisory Committee (RAC) and the Charlies Foundation for	\$4,418.22	2019	2021
2020 Conque Cystic Fibrosis Grant	Measuring Energy Expenditure during Exacerbations of Cystic Fibrosis (CF) using Indirect Calorimetry (IC)	Jordan Henderson, Siobhain Mulrennan, Janica Jamieson, Catherine Properzi, Anna Tai	Institute of Respiratory Health	\$ 40, 373.84	2020	2021
Fresenius Kabi Asia Pacific Ltd	ARTPN – Australasian Registry of the Use of Parenteral Nutrition in Hospitalized Patients	Matthew Anstey Rashmi Rauniyar Robert Palmer Bianca Mammana Emma Osnain (Stefanie Simnadis on behalf of Emma Osnain) Frank Van Haren Erina Myers	Canberra Hospital	\$100 per patient enrolled (minimum of 10 patients – aiming for 100 patients)	2020	

Emergency

Articles published in 2019 and 2020
Forero, Roberto; Man, Nicola; McCarthy, Sally; Richardson, Drew; Mohsin, Mohammed; Toloo, Ghasem; FitzGerald, Gerry; Ngo, Hanh; Mountain, David; Fatovich, Daniel; "Impact of the National Emergency Access Target policy on emergency departments' performance: A time?trend analysis for New South Wales
Forero, Roberto; Man, Nicola; Ngo, Hanh; Mountain, David; Mohsin, Mohammed; Fatovich, Daniel; Toloo, Ghasem; Celenza, Antonio; FitzGerald, Gerry; McCarthy, Sally; "Impact of the four?hour National Emergency Access Target on 30 day mortality
Nahidi, Shizar; Forero, Roberto; Man, Nicola; Mohsin, Mohammed; Fitzgerald, Gerard; Toloo, Ghasem; McCarthy, Sally; Gibson, Nick; Fatovich, Daniel; Mountain, David; Impact of the Four?Hour Rule/National Emergency Access Target policy implementation on emergency department staff: A qualitative perspective of emergency department management changes <i>Emergency Medicine Australasia</i> 31 3 362-371 2019 Wiley Publishing Asia Pty Ltd Melbourne
Nahidi, Shizar; Forero, Roberto; McCarthy, Sally; Man, Nicola; Gibson, Nick; Mohsin, Mohammed; Mountain, David; Fatovich, Daniel; Fitzgerald, Gerard; Toloo, Ghasem; Qualitative analysis of perceptions and experiences of emergency department staff in relation to implementation and outcomes of the Four?Hour Rule/National Emergency Access Target in Australia <i>Emergency Medicine Australasia</i> 31 3 378-386 2019 Wiley Publishing Asia Pty Ltd Melbourne
Forero, Roberto; Nahidi, Shizar; de Costa, Josephine; Fatovich, Daniel; FitzGerald, Gerry; Toloo, Sam; McCarthy, Sally; Mountain, David; Gibson, Nick; Mohsin, Mohammed; Perceptions and experiences of emergency department staff during

the implementation of the four-hour rule/national emergency access target policy in Australia: a qualitative social dynamic perspective BMC Health Services Research 19 1 82 2019 BioMed Central
Whyatt, David; Tuson, Matthew; Haynes, Emma; Mountain, David; Nagree, Yusuf; Vickery, Alistair W; Burden of primary care?type emergency department presentations using clinical assessment by general practitioners: A cross?sectional study Emergency Medicine Australasia 31 5 780-786 2019 Wiley Publishing Asia Pty Ltd Melbourne
Forero, Roberto; Man, Nicola; Nahidi, Shizar; Fitzgerald, Gerard; Fatovich, Daniel; Mohsin, Mohammed; Ngo, Hanh; Toloo, Ghasem; Gibson, Nick; McCarthy, Sally; When a health policy cuts both ways: Impact of the National Emergency Access Target policy on staff and emergency department performance Emergency Medicine Australasia 32 2 228-239 2020 Wiley Publishing Asia Pty Ltd Melbourne
Kelly, Anne Maree; Van Meer, Oene; Keijzers, Gerben; Motiejunaite, Justina; Jones, Peter; Body, Richard; Craig, Simon; Karamercan, Mehmet; Klim, Sharon; Harjola, Veli?Pekka; Get with the guidelines: management of chronic obstructive pulmonary disease in emergency departments in Europe and Australasia is sub?optimal Internal Medicine Journal 50 2 200-208 2020 "John Wiley & Sons Australia
Van Meer, Oene; Keijzers, Gerben; Motiejunaite, Justina; Klim, Sharon; Capsec, Jean; Kuan, Win; Mcnulty, Richard; Tan, Clifford; Cowell, David Lord; Holdgate, Anna; Get with the guidelines: management of chronic obstructive pulmonary disease in emergency departments in Europe and Australasia is sub?optimal Internal Medicine Journal 50 2 200-208 2020
Man, Nicola Wing Young; Forero, Roberto; Ngo, Hanh; Mountain, David; FitzGerald, Gerard; Toloo, Ghasem Sam; McCarthy, Sally; Mohsin, Mohammed; Fatovich, Daniel M; Bailey, Paul; Impact of the Four-Hour Rule policy on emergency medical services delays in Australian EDs: a longitudinal cohort study Emergency Medicine Journal 2020 BMJ Publishing Group Ltd and the British Association for Accident ...An unusual case of minor burns.Vlad I. Med J Aust. 2019 Oct;211(7):334-334.e1. doi: 10.5694/mja2.50332. Epub 2019 Sep 8.PMID: 31495918 No abstract available
Emergency Medicine Advanced Ultrasound Service: A new paradigm.Bogseth MC, Gawthrop IC, Rippey JC.Emerg Med Australas. 2020 Apr 5. doi: 10.1111/1742-6723.13501. Online ahead of print
Examiners' decision-making processes in observation-based clinical examinations. Malau-Aduli BS, Hays R, D'Souza K, Smith AM, Jones K, Turner R, Shires L, Smith J, Saad S, Richmond C, Celenza A, Sen Gupta T.Med Educ. 2020 Aug 18. doi: 10.1111/medu.14357. Online ahead of print
Effect of personalised, mobile-accessible discharge instructions for patients leaving the emergency department: A randomised controlled trial.Doyle SK, Rippey JC, Jacques A, Rea AM, Kaiser BN, Miller SM, Anstey MH.Emerg Med Australas. 2020 May 7. doi: 10.1111/1742-6723.13516. Online ahead of print
Factors associated with peripheral intravenous cannulation first-time insertion success in the emergency department. A multicentre prospective cohort analysis of patient, clinician and product characteristics.Carr PJ, Rippey JCR, Cooke ML, Trevenen ML, Higgins NS, Foale AS, Rickard CM.BMJ Open. 2019 Apr 2;9(4):e022278. doi: 10.1136/bmjopen-2018-022278
Derivation of a clinical decision-making aid to improve the insertion of clinically indicated peripheral intravenous catheters and promote vessel health preservation. An observational study.Carr PJ, Rippey JCR, Cooke ML, Higgins NS, Trevenen ML, Foale A, Keijzers G, Rickard CM.PLoS One. 2019 Mar 22;14(3):e0213923. doi: 10.1371/journal.pone.0213923. eCollection 2019
Management of adult cardiac arrest in the COVID-19 era: consensus statement from the Australasian College for Emergency Medicine. Med J Aust. 2020 Aug;213(3):126-133. doi: 10.5694/mja2.50699. Epub 2020 Jul 12. Simon Craig, Mya Cubitt, Ashish Jaison , Steven Troupakis, Natalie Hood, Christina Fong, Adnan Bilgrami , Peter Leman, Juan Carlos Ascencio-Lane, Guruprasad Nagaraj, John Bonning, Gabriel Blecher, Rob Mitchell, Ellen Burkett, Sally M McCarthy, Amanda M Rojek, Kim Hansen , Helen Psihogios, Peter Allely, Simon Judkins, Lai Heng Foong, Stephen Bernard, Peter A Cameron.

Contributions to the research community

David Mountain: PhD Supervisor: Tudor Codreanu - Evaluation of disaster preparation education for teenagers (Graduated 2019)

David Mountain: PhD Supervisor: Kristy Harper - Improving outcomes in patients presenting with a fall to an Emergency Department (Submitted 2020)

David Mountain: Master Student Supervisor: Maeda Amerjee - Standard setting in medical education. (Graduated 2020)

Endocrinology

Articles published in 2019 and 2020

- Baird, D.A., Evans, D.S., Kamanu, F.K., Gregory, J.S., Saunders, F.R., Giuraniuc, C.V., Barr, R.J., Aspden, R.M., Jenkins, D., Kiel, D.P., ... Wilson, S.G., et al. (2019). Identification of Novel Loci Associated With Hip Shape: A Meta-Analysis of Genomewide Association Studies. *Journal of Bone and Mineral Research* 34, 241-251.
- Bracken, K., Hague, W., Keech, A., Conway, A., Handelsman, D.J., Grossmann, M., Jesudason, D., Stuckey, B., Yeap, B.B., Inder, W., et al. (2019). Recruitment of men to a multi-centre diabetes prevention trial: an evaluation of traditional and online promotional strategies. *Trials* 20, 366.
- Chong, J.J.H., Prince, R.L., Thompson, P.L., Thavapalachandran, S., Ooi, E., Devine, A., Lim, E.M., et al. (2019). Association Between Plasma Neutrophil Gelatinase-Associated Lipocalin and Cardiac Disease Hospitalizations and Deaths in Older Women. *Journal of the American Heart Association* 8, e011028.
- Cronin, O., Forsyth, L., Goodman, K., Lewis, S.C., Keerie, C., Walker, A., Porteous, M., ... Walsh, J.P., et al. (2019). Zoledronate in the prevention of Paget's (ZIPP): protocol for a randomised trial of genetic testing and targeted zoledronic acid therapy to prevent SQSTM1-mediated Paget's disease of bone. *BMJ Open* 9, e030689.
- Darling, A.L., Manders, R.J.F., Sahni, S., Zhu, K., Hewitt, C.E., Prince, R.L., Millward, D.J., and Lanham-New, S.A. (2019). Dietary protein and bone health across the life-course: an updated systematic review and meta-analysis over 40 years. *Osteoporosis International* 30, 741-761.
- Foster, A., Scott, D., Layfield, R., and Rea, S.L. (2019). An FTLD-associated SQSTM1 variant impacts Nrf2 and NF-κB signalling and is associated with reduced phosphorylation of p62. *Molecular and Cellular Neurosciences* 98, 32-45.
- Hsu, Y.H., Estrada, K., Evangelou, E., Ackert-Bicknell, C., Akesson, K., Beck, T., Brown, S.J., Capellini, T., Carbone, L., Cauley, J., ... Wilson, S.G., et al. (2019). Meta-Analysis of Genomewide Association Studies Reveals Genetic Variants for Hip Bone Geometry. *Journal of Bone and Mineral Research* 34, 1284-1296.
- Khoo, B.C.C., Brown, K., Lewis, J.R., ... Prince, R.L. (2019). Ageing Effects on 3-Dimensional Femoral Neck Cross-Sectional Asymmetry: Implications for Age-Related Bone Fragility in Falling. *Journal of Clinical Densitometry* 22, 153-161.
- Korevaar, T.I.M., Derakhshan, A., Taylor, P.N., Meima, M., Chen, L., Bliddal, S., Carty, D.M., Meems, M., Vaidya, B., Shields, B., ... Brown, S.J., ... Walsh, J.P., et al. (2019). Association of Thyroid Function Test Abnormalities and Thyroid Autoimmunity With Preterm Birth: A Systematic Review and Meta-analysis. *JAMA* 322, 632-641.
- Lewis, J.R., Brennan-Speranza, T.C., Levinger, I., Byrnes, E., Lim, E.M., Blekkenhorst, L.C., Sim, M., Hodgson, J.M., Zhu, K., Lim, W.H., ... Prince, R.L. (2019). Effects of calcium supplementation on circulating osteocalcin and glycated haemoglobin in older women. *Osteoporosis International* 30, 2065-2072.
- Lewis, J.R., Eggermont, C.J., Schousboe, J.T., Lim, W.H., Wong, G., Khoo, B., ... Zhu, K. ... Prince, R.L. (2019). Association Between Abdominal Aortic Calcification, Bone Mineral Density, and Fracture in Older Women. *Journal of Bone and Mineral Research* 34, 2052-2060.
- Lingham, G., Yazar, S., Lucas, R.M., Walsh, J.P., Zhu, K., Hunter, M., Lim, E.M., Cooke, B.R., and Mackey, D.A. (2019). Low 25-Hydroxyvitamin D Concentration Is Not Associated With Refractive Error in Middle-Aged and Older Western Australian Adults. *Translational Vision Science & Technology* 8, 13.
- Magraith, K., and Stuckey, B. (2019). Making choices at menopause. *Australian Journal of General Practice* 48, 457-462.
- McVeigh, J.A., Howie, E.K., Zhu, K., Walsh, J.P., and Straker, L. (2019). Organized Sport Participation From Childhood to Adolescence Is Associated With Bone Mass in Young Adults From the Raine Study. *Journal of Bone and Mineral Research* 34, 67-74.
- Meuwese, C.L., van Diepen, M., Cappola, A.R., Sarnak, M.J., Shlipak, M.G., Bauer, D.C., Fried, L.P., Iacoviello, M., Vaes, B., Degryse, J., ... Walsh, J.P., et al. (2019). Low thyroid function is not associated with an accelerated deterioration in renal function. *Nephrology, Dialysis, Transplantation* 34, 650-659.
- Mullin, B.H., Zhu, K., Brown, S.J., Mullin, S., Tickner, J., Pavlos, N.J., Dudbridge, F., Xu, J., Walsh, J.P., and Wilson, S.G. (2019). Genetic regulatory mechanisms in human osteoclasts suggest a role for the STMP1 and DCSTAMP genes in Paget's disease of bone. *Scientific Reports* 9, 1052.

Nolan, J., Rush, A., and Kaye, J. (2019). Glycaemic stability of a cyclist with Type 1 diabetes: 4011 km in 20 days on a ketogenic diet. <i>Diabetic Medicine</i> 36, 1503-1507.
Patel, K.A., Knight, B., Aziz, A., Babiker, T., Tamar, A., Findlay, J., Cox, S., Mitropoulos, I., Tysoe, C., Panicker, V., et al. (2019). Utility of systematic TSHR gene testing in adults with hyperthyroidism lacking overt autoimmunity and diffuse uptake on thyroid scintigraphy. <i>Clinical Endocrinology</i> 90, 328-333.
Prince, R.L., Lewis, J.R., Lim, W.H., Wong, G., Wilson, K.E., Khoo, B.C., Zhu, K., et al. (2019). Adding Lateral Spine Imaging for Vertebral Fractures to Densitometric Screening: Improving Ascertainment of Patients at High Risk of Incident Osteoporotic Fractures. <i>Journal of Bone and Mineral Research</i> 34, 282-289.
Rodríguez, A.J., Leow, K., Szulc, P., Scott, D., Ebeling, P., Sim, M., Wong, G., Lim, W.H., ... Prince, R.L., et al. (2019). Abdominal aortic calcification, bone mineral density and fractures: a systematic review and meta-analysis protocol. <i>BMJ Open</i> 9, e026232.
Rueter, K., Jones, A.P., Siafarikas, A., Lim, E.M., Bear, N., Noakes, P.S., Prescott, S.L., and Palmer, D.J. (2019). Direct infant UV light exposure is associated with eczema and immune development. <i>The Journal of Allergy and Clinical Immunology</i> 143, 1012-1020 e1012.
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General Medicine

Articles published in 2019 and 2020

Ong GSY, Cole TJ, Tesch GH, Morgan J, Dowling JK, Mansell A, Fuller PJ, Young MJ. Novel mechanisms of mineralocorticoid receptor signalling regulates macrophage function and cardiac tissue inflammation in male mice. *J Endocrinol* 2020: epub ahead of print (doi:10.1530/JOE-20-0161).

Conference presentations delivered in 2019 and 2020

<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
RACP Conference 2020 – ‘Balancing medical science with humanity’ which will be held in Melbourne, Victoria from 4 to 6 May 2020	Left lower quadrant abdominal pain in a patient with prior ventriculoperitoneal shunt and abandoned intrathecal catheter: Consider peritoneal irritation	Poster	S S Wei
IMSANZ (2019)	Retrospective audit comparing outcomes of patients admitted to outlying ward from the Medical Assessment Unit at Sir Charles Gairdner Hospital	Poster	Lam S, Kamdar A
IMSANZ (2019)	Consultant review of discharge summaries improves coding and subsequent funding	Poster	Conelley F, Linton S, Kamdar A
RACP Conference 2020 – ‘Balancing medical science with humanity’ which was going to be held in Melbourne, Victoria from 4 to 6 May 2020	Sir Charles Gairdner Hospital Winter Project 2019: Increasing consultant weekend presence within general medicine (medical units) leads to improved patient care and increased savings	Poster	Briony McCarthy, Fiona Bowden, Anne Brinkworth, Ami Kamdar

Grants/funding approved in 2019 and 2020

<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Administrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
NHMRC project grant submitted	Multicentre randomised controlled trial of a program to support informal caregivers of older people discharged home from hospital: health related caregiver, patient, and system outcomes	CI:A/Prof Chris Toye, Associate Professor Anne-Marie Hill, Prof Moyle , A/Prof Moorin, Professor Keith Hill, Dr Nicholas Waldron,Samar Aoun , Dr Richard Parson AI: Laurie Grealish, Cindy Jones,Mary Bronson, Sean Maher, Ami Kamdar, Max Bulsara,	Curtin University and SCGH		2019	2023

Staff with an adjunct appointment

<i>Institution</i>	<i>Number of staff</i>
University of Western Australia	1 Associate Professor (Dr Venkata Kodali)

Haematology

Articles Published 2019-2020

Van der Meulen M, Bakunina K, Nijland M, Minnema M, Cull G, Stevens WBC, Baars JW, Mason KD, Beeker A, Beijert M, Taphoorn MJB, van den Bent MJ, Issa S, Doorduyn JK, Bromberg JEC, Driven L. Health-related quality of life after chemotherapy with or without rituximab in primary central nervous system lymphoma patients: results from a randomised phase III study. *Ann Oncol*. 2020 Aug;31(8):1046-1055. doi: 10.1016/j.annonc.2020.04.014. Epub 2020 May 3.

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Follicular Lymphoma: Current Management and Novel Approaches. ZY Ng, C Leslie and CY Cheah. Chapter in "Follicular lymphoma: epidemiology, pathogenesis and initiating events"
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Conference presentations delivered in 2019 and 2020

<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
American Society of Haematology Annual	Treatment With the Bruton Tyrosine Kinase Inhibitor Zanubrutinib (BGB-3111) Demonstrates High Overall Response	Oral	Gavin Cull (co-author)

Scientific Meeting, San Diego, December, 2019	Rate and Durable Responses in Patients With Chronic Lymphocytic Leukemia/Small Lymphocytic Lymphoma (CLL/SLL): Updated Results From a Phase 1/2 Trial https://doi.org/10.1182/blood-2019-125483		
American Society of Haematology Annual Scientific Meeting, San Diego, December, 2019	An Update on Safety and Preliminary Efficacy of Highly Specific Bruton Tyrosine Kinase (BTK) Inhibitor Zanubrutinib in Combination with PD-1 Inhibitor Tislelizumab in Patients with Previously Treated B-Cell Lymphoid Malignancies https://doi.org/10.1182/blood-2019-125485	Poster	Gavin Cull (co-author)
American Society of Haematology Annual Scientific Meeting, San Diego, December, 2019	A Double-Blind, Placebo-Controlled, Phase 3 Registration Trial to Evaluate the Efficacy of Uproleselan (GMI-1271) with Standard Salvage Chemotherapy in Patients with Relapsed/Refractory (R/R) Acute Myeloid Leukemia https://doi.org/10.1182/blood-2019-123816	Poster	Gavin Cull (co-author)
15th International Conference on Malignant Lymphoma, Lugano, June, 2019.	Updated Safety and Efficacy Data in the Phase 1/2 Trial of Zanubrutinib in Patients With Mantle Cell Lymphoma	Poster	Gavin Cull (co-author)
European Haematology Association 24th congress, Amsterdam, June, 2019.	UPDATED SAFETY AND EFFICACY DATA IN A PHASE 1/2 TRIAL OF PATIENTS WITH WALDENSTRÖM MACROGLOBULINAEMIA (WM) TREATED WITH THE BRUTON TYROSINE KINASE (BTK) INHIBITOR ZANUBRUTINIB (BGB-3111)	Poster	Gavin Cull (co-author)
European Haematology association 24th congress, Amsterdam, June, 2019.	MAJOR RESPONSES IN MYD88 WILDTYPE (MYD88WT) WALDENSTRÖM MACROGLOBULINEMIA (WM) PATIENTS TREATED WITH BRUTON TYROSINE KINASE (BTK) INHIBITOR ZANUBRUTINIB (BGB-3111)	Poster	Gavin Cull (co-author)
American Society of Oncology Annual Meeting, May-June, 2020.	ASPEN: Results of a phase 3 randomized trial of zanubrutinib versus ibrutinib for patients with Waldenström Macroglobulinemia (WM)	Oral	Gavin Cull (co-author)
American Society of Haematology Annual Scientific Meeting, San Diego, December, 2019	An Individualized Risk Mitigation Approach for Safety: Experience from the Mosunetuzumab (CD20/CD3 Bispecific Antibody) Development Program in Relation to Neurotoxicity Risk https://doi.org/10.1182/blood-2019-123757		Chan Cheah (co-author)
American Society of Haematology Annual Scientific Meeting, San Diego, December, 2019	BTK Leu528Trp - a Potential Secondary Resistance Mechanism Specific for Patients with Chronic Lymphocytic Leukemia Treated with the Next Generation BTK Inhibitor Zanubrutinib https://doi.org/10.1182/blood-2019-125488		Chan Cheah (co-author)
American Society of Haematology Annual	Outcomes for Patients with Primary or Secondary Central System Lymphoma		Katharine Lewis (presenter), Chan Cheah

Scientific Meeting, San Diego, December, 2019	Treated with Ibrutinib: A Multicentre Retrospective Analysis https://doi.org/10.1182/blood-2019-125730		
American Society of Haematology Annual Scientific Meeting, San Diego, December, 2019	Results from a First-in-Human, Proof-of-Concept Phase 1 Trial in Pretreated B-Cell Malignancies for Loxo-305, a Next-Generation, Highly Selective, Non-Covalent BTK Inhibitor https://doi.org/10.1182/blood-2019-127509		Chan Cheah (co-author)
American Society of Haematology Annual Scientific Meeting, San Diego, December, 2019	Phase 1 Study of TG-1701, a Selective Irreversible Inhibitor of Bruton's Tyrosine Kinase (BTK), in Patients with Relapsed/Refractory B-Cell Malignancies https://doi.org/10.1182/blood-2019-126951		Chan Cheah (presenter)
American Society of Haematology Annual Scientific Meeting, San Diego, December, 2019	Mosunetuzumab Induces Complete Remissions in Poor Prognosis Non-Hodgkin Lymphoma Patients, Including Those Who Are Resistant to or Relapsing After Chimeric Antigen Receptor T-Cell (CAR-T) Therapies, and Is Active in Treatment through Multiple Lines https://doi.org/10.1182/blood-2019-123742		Chan Cheah (co-author)
Haematology Society of Australasia/HAA BLOOD Annual Scientific Meeting, Perth, October 2019	A New Direction for Australian Haematology: Psycho-haematology	Carl De Gruchy Keynote Plenary address	D Joske
22nd Annual Scientific Meeting of the South Australian State Branch of the Haematology Society of Australia and New Zealand 2019	What's New in AML Therapy	Invited Speaker presentation	C Grove
International Society of Thrombosis and Haemostasis 2019	Clinical Outcomes of Patients with Discordant Heparin Induced Thrombocytopenia Laboratory Testing	Poster	Zi Ng, N Michalopoulos, D Radeski, C Grove
International Society of Thrombosis and Haemostasis 2019	Retrospective Review of Outcomes and Anticoagulation use for Elderly Patients that present with an Acute Hip Fracture at Three Tertiary Hospitals in Perth, Western Australia	Oral 15min	Katherine Creeper, S Reynolds, A Stafford, S P'Ng, S Samida, T Too, K Lindfield, S Hitchen, D Glennon, H Seymour and C Grove
ALLG May Meeting 2019 AML Workshop	Quizartinib priming and 5-FU for AML	Invited Oral 30min	Carolyn Grove and Wally Langdon
ALLG November Meeting 2019	Quizescence: Quizartinib priming and 5-FU for AML	Invited Oral 10min	C Grove and W Langdon
PathUpdate 2019	A case of disseminated toxoplasmosis with bone marrow involvement in a patient with acute lymphoblastic leukaemia	Oral	Dr Tulene S Kendrick, Dr Collin K Chin and Dr J. Finlayson
International Society of Haemostasis and Thrombosis 2019	Clinical Outcomes in Patients with Discordant Heparin-Induced Thrombocytopenia Laboratory Testing.	Poster	ZY Ng, Nick Michalopoulos, D Radeski, C Grove

Haematology Society of Australasia/HAA BLOOD Annual Scientific Meeting, Perth, October 2019	Case studies in coagulation	Oral 30min Invited presentation	C Grove
Haematology Society of Australasia/HAA BLOOD Annual Scientific Meeting, Perth, October 2019	First case report of systemic mastocytosis associated with atypical chronic myeloid leukaemia.	Poster	Dr Tulene S. Kendrick, Dr Dejan Radeski and Dr Sara Hall
Haematology Society of Australasia/HAA BLOOD Annual Scientific Meeting, Perth, October 2019	EBV-associated diffuse large B cell lymphoma arising within atrial myxoma in an immunocompetent patient can be treated successfully with surgery alone	Poster	Portia Smallbone et al as above

Grants/funding approved in 2019 and 2020

<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Administrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
WA Health RTP Grant 2019	Next Generation Sequencing in Chronic Lymphocytic Leukaemia and Acute Myeloid Leukaemia: A Health Economic Analysis	Dr C Grove Dr Xuan Tan Prof Elizabeth Geelhoed	PathWest	\$232 747	2020	2021
WA Cancer & Palliative Care Network Optimal Care Pathways Research Grants, Department of Health September 2019.	Development of Treatment Summary Methodology in Sir Charles Gairdner Hospital lymphoma and lung cancer Patient Cohorts.	Joske D, Monterosso L, et al.	Uni Notre Dame	\$88,000.	2019	2020
NMHS Travel Grant	Clinical Outcomes in Patients with Discordant Heparin-Induced Thrombocytopenia Laboratory Testing.	ZY Ng, Nick Michalopoulos, D Radeski, C Grove	North Metropolitan Health Service	\$2000	2019	2019
MSD global IIT program	PACIFIC: A phase II trial of pembrolizumab and R-CHOP in patients with primary mediastinal B-cell lymphoma	CY Cheah, M Dickinson, EA Hawkes	ALLG	\$1.4M	2021	2026

Staff with an adjunct appointment

Institution

Number of staff

Clinical Professor, UWA	2
Adjunct Clinical Associate Professor, UWA	1
Senior Clinical Lecturer, UWA	1

Contributions to the research community

Australian Leukaemia and Lymphoma Group (ALLG): collaborative, investigator-initiated clinical trials (all consultant staff).

David Joske: COSA National Survivorship Group Executive (member), WA Cancer and Palliative Care Network Survivorship Collaborative (member), National Blood Cancer Task Force (member), Solaris Cancer Care Foundation (Founder), Charles Day Tissue Bank (Director).

Carolyn Grove: Supervision of Masters Student (UWA), PhD assessments x 2 (University of Queensland), National Strategic Action Plan for Blood Cancer (member), Charles Day Tissue Bank (Director), ALLG AML Working Party (member).

Chan Cheah: Blood Cancer Research WA (Director), Snowdome Foundation WA Branch (Director), ALLG Lymphoma Working Party (member), Australasian Lymphoma Alliance (Chair), Lymphoma Australia Medical Advisory Committee (member), Supervision of Masters Student (UWA)

Gavin Cull: Charlies Leukaemia and Lymphoma Fund (Director), CLL Australian Research Consortium (member), ALLG NHL31 Trial Monitoring Committee (Chair).

Brad Augustson: Medical and Scientific Advisory Group – Myeloma Australia (member)

Dejan Radseki: T-cell working party

Successes

Carl De Gruchy Oration 2019 (lifetime achievement recognition)

Immunology

Articles published in 2019 and 2020

Ganeshanandan LR, Bruschi AM, Dyke JM, McLean-Tooke APC. Polyarteritis nodosa isolated to muscles-A case series with a review of the literature. *Semin Arthritis Rheum*. 2019 Dec 28. pii: S0049-0172(19)30723-1.

Stevenson B, Bundell C, Mulrennan S, McLean-Tooke A, Murray R, Bruschi A. The significance of anti-granulocyte-macrophage colony-stimulating factor antibodies in cryptococcal infection: case series and review of antibody testing. *Intern Med J*. 2019 Nov;49(11):1446-1450.

Farrar G, Stevenson B, Lie K, Bruschi A. The use of omalizumab for treatment-refractory chronic spontaneous urticaria in a West Australian outpatient cohort. *Intern Med J*. 2019 Apr;49(4):526-528.

Lam D, Jansen S, Tibballs J, McLean-Tooke A. Fibromuscular dysplasia presenting with a deep vein thrombosis. *BMJ Case Rep*. 2020 Feb 23;13(2).

Kailaivasan TH, Timbrell VL, Solley G, Smith WB, McLean-Tooke A, van Nunen S, Smith P, Upham JW, Langguth D, Davies JM. Biogeographical variation in specific IgE recognition of temperate and subtropical grass pollen allergens in allergic rhinitis patients. *Clin Transl Immunology*. 2020 Feb 3;9(2):e01103.

Klinken EM, Gray PE, Pillay B, Worley L, Edwards ESJ, Payne K, Bennetts B, Hung D, Wood BA, Chan JJ, Marshall GM, Mitchell R, Uzel G, Ma CS, Tangye SG, McLean-Tooke A. Diversity of XMEV Disease: Description of 2 Novel Variants and Analysis of the Lymphocyte Phenotype. *J Clin Immunol*. 2020 Feb;40(2):299-309.

McLean-Tooke A, Moore I, Lake F. Idiopathic and immune-related pulmonary fibrosis: diagnostic and therapeutic challenges. *Clin Transl Immunology*. 2019 Nov 5;8(11):e1086.

Horgan L, Mulrennan S, D'Orsogna L, McLean-Tooke A. Tracheobronchitis in ulcerative colitis: a case report of therapeutic response with infliximab and review of the literature. <i>BMC Gastroenterol.</i> 2019 Nov 1;19(1):171.
Stevenson BR, Thompson GA, Watson MC, Bundell CS, Klinken EM, John M, Lake FR, McLean-Tooke AP. Autoantibodies in interstitial lung diseases. <i>Pathology.</i> 2019 Aug;51(5):518-523.
Joshi KK, Haynes A, Davis EA, D'Orsogna L, McLean-Tooke A. Role of HLA-DQ typing and anti-tissue transglutaminase antibody titers in diagnosing celiac disease without duodenal biopsy in type 1 diabetes: A study of the population-based pediatric type 1 diabetes cohort of Western Australia. <i>Pediatr Diabetes.</i> 2019 Aug;20(5):567-573.
Schauer A, Wood BA, Tan E, Tai A, McLean-Tooke A, Crawford J, Harvey NT. Multiple skin lesions on a background of hypergammaglobulinaemia. <i>Clin Exp Dermatol.</i> 2019 Oct;44(7):787-790.
Thong BY, Lucas M, Kang HR, Chang YS, Li PH, Tang MM, Yun J, Fok JS, Kim BK, Nagao M, Rengganis I, Tsai YG, Chung WH, Yamaguchi M, Rerkpattanapipat T, Kamchaisatian W, Leung TF, Yoon HJ, Zhang L, Latiff AHA, Fujisawa T, Thien F, Castells MC, Demoly P, Wang JY, Pawankar R. Drug hypersensitivity reactions in Asia: regional issues and challenges. <i>Asia Pac Allergy.</i> 2020 Jan 30;10(1):e8
Currenti J, Chopra A, John M, Leary S, McKinnon E, Alves E, Pilkinton M, Smith R, Barnett L, McDonnell WJ, Lucas M, Noel F, Mallal S, Conrad JA, Kalams SA, Gaudieri S. Deep sequence analysis of HIV adaptation following vertical transmission reveals the impact of immune pressure on the evolution of HIV. <i>PLoS Pathog.</i> 2019 Dec 10;15(12):e1008177.
Hall V, Wong M, Munsif M, Stevenson BR, Elliott K, Lucas M, Baird AJ, Athan E, Young M, Pickles R, Cheng AC, Stewardson AJ, Aung AK, Trubiano JA. Antimicrobial anaphylaxis: the changing face of severe antimicrobial allergy. <i>J Antimicrob Chemother.</i> 2020 Jan 1;75(1):229-235.
Stevenson B, Trevenen M, Klinken E, Smith W, Yuson C, Katelaris C, Perram F, Burton P, Yun J, Cai F, Barnes S, Spriggs K, Ojaimi S, Mullins R, Salman S, Martinez P, Murray K, Lucas M. Multicenter Australian Study to Determine Criteria for Low- and High-Risk Penicillin Testing in Outpatients. <i>J Allergy Clin Immunol Pract.</i> 2020 Feb;8(2):681-689.e3.
Berry R, Hollingsworth P, Lucas M. Successful treatment of idiopathic mast cell activation syndrome with low-dose Omalizumab. <i>Clin Transl Immunology.</i> 2019 Sep 30;8(10):e01075.
Stepanovic B, Sommerfield D, Lucas M, von Ungern-Sternberg BS. An update on allergy and anaphylaxis in pediatric anesthesia. <i>Paediatr Anaesth.</i> 2019 Sep;29(9):892-900.
Sasadeusz J, Grigg A, Hughes PD, Lee Lim S, Lucas M, McColl G, McLachlan SA, Peters MG, Shackel N, Slavin M, Sundararajan V, Thompson A, Doyle J, Rickard J, De Cruz P, Gish RG, Visvanathan K. Screening and Prophylaxis to Prevent Hepatitis B Reactivation: Other Populations and Newer Agents. <i>Clin Liver Dis.</i> 2019 Aug;23(3):521-534.
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Sasadeusz J, Grigg A, Hughes PD, Lee Lim S, Lucas M, McColl G, McLachlan SA, Peters MG, Shackel N, Slavin M, Sundararajan V, Thompson A, Doyle J, Rickard J, De Cruz P, Gish RG, Visvanathan K. Screening and Prophylaxis to Prevent Hepatitis B Reactivation: Transplant Recipients. <i>Clin Liver Dis.</i> 2019 Aug;23(3):493-509.
Sasadeusz J, Grigg A, Hughes PD, Lee Lim S, Lucas M, McColl G, McLachlan SA, Peters MG, Shackel N, Slavin M, Sundararajan V, Thompson A, Doyle J, Rickard J, De Cruz P, Gish RG, Visvanathan K. Screening and Prophylaxis to Prevent Hepatitis B Reactivation: Introduction and Immunology. <i>Clin Liver Dis.</i> 2019 Aug;23(3):487-492.
Thompson G, Bundell C, Lucas M. Paracetamol allergy in clinical practice. <i>Aust J Gen Pract.</i> 2019 Apr;48(4):216-219.
Arnold A, Sommerfield A, Ramgolam A, Rueter K, Muthusamy S, Noble V, von Ungern-Sternberg BS, Lucas M. The role of skin testing and extended antibiotic courses in assessment of children with penicillin allergy: An Australian experience. <i>J Paediatr Child Health.</i> 2019 Apr;55(4):428-432.
G Thompson, Z Grover, R Loh, C Mews, M Ravikumara, G Jevon, L D'Orsogna, A Mclean-Tooke. Assessment of European Society of Paediatric Gastroenterology Hepatology and Nutrition (ESPGHAN) guidelines in an Australian paediatric population. <i>Pathology</i> 22-JUN-2020 doi:10.1016/j.pathol.2020.05.002.

<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
The Annual Brisbane Women's and Children's Update 2019 Saturday 15th June 2019 8:30am – 6:30pm Royal International Convention Centre, Bowen Hills, Brisbane	Anaphylaxis in Infants and Young Children		Dr Richard Loh
Pharmaceutical Society of Australia. July 28 2019	Anaphylaxis: the partnership approach in pharmacy	Invited speaker	Dr Richard Loh
Australian Rheumatology Association WA Annual Scientific Meeting 30th Aug 2019	Monitoring and stopping treatment in Vasculitis.	Invited Speaker	Dr A McLean-Tooke
ASCIA 2019	Vaccinations in Immunocompromise	Invited Speaker:	Dr A McLean-Tooke
Silver Chain Home Hospital – May 2019	Penicillin Allergy – An update on Immunology	Invited talk	Dr M Lucas
13th Australian Cystic Fibrosis Conference 2019		Invited talk	Dr M Lucas
Australian Academy of Health and Medical Sciences 12 Oct 2019	Life as a clinical scientist	Panel invitation	Dr M Lucas
Murdoch University, 9 October 2019	Transplantation tolerance and rejection: New insights'; Institute for Immunology & Infectious Diseases	Invited talk	Dr M Lucas
Australasian College of Dermatologists WA Faculty Education Day 2019	What's new in Drug Eruptions	Invited talk	Dr M Lucas
30th Annual ASCIA 2019 September	Penicillin Allergy	Invited talk	Dr M Lucas

Grants/funding approved in 2019 and 2020						
<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Administrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
Murdoch Children's Research Institute and Telethons Kids Institute	BCG Vaccination to reduce the impact of COVID-19 in Australian Healthcare workers following coronavirus exposure (BRACE) trial	Michaela Lucas		\$199,898	2020	2021
SCGOPHCG, Research Advisory Committee Grant	Assessing the role of IL33 in short and long term lung transplant outcomes	Michaela Lucas		\$30,000	2019	2020
CSL, Contracted Research	Investigating the effects of CSL's materials in mouse	Michaela Lucas		\$496,306	2019	2020

	models of solid organ transplantation				
WA Department of Health	WA Future Health Merit Award: Safely preventing errors and complications due to inappropriate allergy labelling - The SPECIAL study	Michaela Lucas		\$75,000	2019 2020
UWA	Research Impact Grant: Safely preventing errors and complications due to inappropriate allergy labelling study	Michaela Lucas		\$17,100	2019
UWA	Best oral presentation: Mid-Senior researcher	Michaela Lucas	UWA Medical School	\$1,000	2019

Staff with an adjunct appointment

<i>Institution</i>	<i>Number of staff</i>
UWA Medical School, Division of Internal Medicine and Pathology and Laboratory medicine	1

Contributions to the research community

Michaela Lucas – PhD Supervision – Monalyssa Watson (2019 – Present), Sarah Dart (2018 – Present), Annabelle Arnold (2018 – Present), Amy Prosser (2016 – Present), Charunya Nanayakkara (2015 – Present)
Michaela Lucas – Medical Research and Supervision – Dr Renee Berry (2019 – Present), Jeffrey Lai (2018 – Present), Katie Eliot (2018 – Present), David Singer (2018- 2019)

Successes

Michaela Lucas – Conference Chair ASCIA 2019 Perth WA
Michaela Lucas – Interview on ABC Radio 08/05/2020; Testing and vigilance key to preventing second wave https://www.abc.net.au/radio/programs/am/covid-australia-second-wave/12227020
Michaela Lucas – Interview on ABC Radio 24/04/2020; Expanded testing vital step in fight against COVID-19 https://www.abc.net.au/radio/programs/pm/expanded-testing-vital-step-in-fight-against-covid-19/12183508
Murdoch Children’s Research Institute: BRACE newsletter 2020
Michaela Lucas – UWA Expert Series 22/04/2020; Local trials to test effectiveness of COVID-19 vaccine: http://www.news.uwa.edu.au/2020042212016/international/uwa-expert-series-local-trials-test-effectiveness-covid-19-vaccine
Michaela Lucas – Interview on ABC Radio 22/04/2020; Coronavirus tests for people without symptoms, 'next logical step': https://www.abc.net.au/radio/melbourne/programs/am/coronavirus-tests-for-people-without-symptoms/12171562
Michaela Lucas – UWA Media Semester Report November 2019

Michaela Lucas – 23rd of October; Community Conversation “Antibiotic Allergies Community Conversation” facilitated by WAHTN at the WA State Library
Michaela Lucas – PCH, 17th of August: Meet the Researchers of the Special Kids study!
Michaela Lucas – Lucas M. Countering fear of drug allergy. Medical Forum. September Issue 2019.
Michaela Lucas – Consumer Event at ASCIA; Antibiotic Allergies podcast, facilitated by Norman Swan
Michaela Lucas – Newspaper article West Australian Inside Cover; Pills and Allergies 29/08/19
Michaela Lucas – Facebook Feature: Female researcher and mum; Charlies Foundation for Research; live from 12/05/2019

Neurology

Articles Published 2019-2020
Hankey GJ, Macleod M, Gorelick PB, Chen C, Caprio FZ, Mattle H. Warlow's Stroke: Practical Management, 4th Edition. ISBN: 978-1-118-49222-2; April 2019; Wiley-Blackwell; 1008 Pages.
Hankey GJ, Gorelick PB. Reducing the impact of stroke and improving public health. Chapter 20. In: Hankey GJ, Macleod M, Gorelick PB, Chen C, Caprio FZ, Mattle H. Warlow's Stroke: Practical Management, 4th Edition. ISBN: 978-1-118-49222-2; April 2019; Wiley-Blackwell; Pages 933-951
Hankey GJ. Prasugrel or clopidogrel for long-term secondary stroke prevention? <i>Lancet Neurol.</i> 2019; 18(3): 222-223. doi: 10.1016/S1474-4422(19)30018-3. PMID: 30784545
Hankey GJ. Antithrombotic Therapy for Stroke Prevention. <i>Circulation.</i> 2019; 139(9): 1131- 1133. doi: 10.1161/CIRCULATIONAHA.118.036656. No abstract available. PMID: 30802167
Hankey GJ. Nerinetide before reperfusion in acute ischaemic stroke: déjà vu or new insights? <i>Lancet.</i> 2020; 395(10227): 843-844.
Almeida OP, Ford AH, Hankey GJ, Yeap BB, Golledge J, Flicker L. Hearing loss and incident psychosis in later life: the Health In Men Study (HIMS). <i>Int J Geriatr Psychiatry.</i> 2019 Mar; 34(3):408-414.
Chasland LC, Knuiman MW, Divitini ML, Murray K, Handelsman DJ, Flicker L, Hankey GJ, Almeida OP, Golledge J, Ridgers ND, Naylor LH, Green DJ, Yeap BB. Higher circulating androgens and higher physical activity levels are associated with less central adiposity and lower risk of cardiovascular death in older men. <i>Clin Endocrinol (Oxf).</i> 2019; 90: 375-383.
GBD 2016 Dementia Collaborators (includes GJ Hankey). Global, regional, and national burden of Alzheimer's disease and other dementias, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet Neurol.</i> 2019; 18: 88-106.
FOCUS Trial Collaboration (includes GJ Hankey on Writing Committee). Effects of fluoxetine on functional outcomes after acute stroke (FOCUS): a pragmatic, double-blind, randomised, controlled trial. <i>Lancet.</i> 2019; 393: 265-274. doi: 10.1016/S0140-6736(18)32823-X. PMID: 30528472
Yeap BB, Hui J, Knuiman MW, Handelsman DJ, Flicker L, Divitini ML, Arscott GM, McLennan SV, Twigg SM, Almeida OP, Hankey GJ, Golledge J, Norman PE, Beilby JP. Cross-sectional associations of sex hormones with leucocyte telomere length, a marker of biological age, in a community-based cohort of older men. <i>Clin Endocrinol (Oxf).</i> 2019 Apr; 90(4):562-569. doi: 10.1111/cen.13918. PMID: 30561819
Anderson CS, Huang Y, Lindley RI, et al; ENCHANTED Investigators and Coordinators. (includes GJ Hankey as a member of the Data Safety Monitoring Committee). Intensive blood pressure reduction with intravenous thrombolysis therapy for acute ischaemic stroke (ENCHANTED): an international, randomised, open-label, blinded-endpoint, phase 3 trial. <i>Lancet.</i> 2019 Mar 2; 393(10174) :877-888. doi: 10.1016/S0140-6736(19)30038-8. [Epub ahead of print]. PMID: 30739745
Zijlema WL, Stasinska A, Blake D, Dirgawati M, Flicker L, Yeap BB, Golledge J, Hankey GJ, Nieuwenhuijsen M, Heyworth J. The longitudinal association between natural outdoor environments and mortality in 9218 older men from Perth, Western Australia. <i>Environ Int.</i> 2019 Apr; 125: 430-436. doi: 10.1016/j.envint.2019.01.075. PMID: 30743148
Söderholm M, Pedersen A, Lorentzen E, Stanne TM, Bevan S, Olsson M, Cole JW, Fernandez-Cadenas I, Hankey GJ, Jimenez-Conde J, Jood K, Lee JM, Lemmens R, Levi C, Mitchell BD, Norrving B, Rannikmäe K, Rost NS, Rosand J, Rothwell PM, Scott R, Strbian D, Sturm JW, Sudlow C, Traylor M, Thijs V, Tatlisumak T, Woo D, Worrall BB, Maguire JM,

Lindgren A, Jern C; International Stroke Genetics Consortium, the NINDS-SiGN Consortium, and the Genetics of Ischaemic Stroke Functional Outcome (GISCOME) Network. Genome-wide association meta-analysis of functional outcome after ischemic stroke. <i>Neurology</i> . 2019 .Mar 19; 92(12):e1271-e1283. doi: 10.1212/WNL.0000000000007138. PMID: 30796134
Gregson J, Kaptoge S, Bolton T, Pennells L, Willeit P, Burgess S, et al; Emerging Risk Factors Collaboration (includes GJ Hankey). Cardiovascular Risk Factors Associated With Venous Thromboembolism. <i>JAMA Cardiol</i> . 2019 Feb 1;4(2):163-173. doi: 10.1001/jamacardio.2018.4537. PMID: 30649175
Lan NSR, Bell DA, McCaul KA, Vasikaran SD, Yeap BB, Norman PE, Almeida OP, Golledge J, Hankey GJ, Flicker L. High-Sensitivity Cardiac Troponin I Improves Cardiovascular Risk Prediction in Older Men: HIMS (The Health in Men Study). <i>J Am Heart Assoc</i> . 2019 Mar 5;8(5):e011818. doi: 10.1161/JAHA.118.011818. PMID: 30819029.
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GBD 2016 Neurology Collaborators (includes GJ Hankey). Global, regional, and national burden of neurological disorders, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet Neurol</i> . 2019 May; 18(5): 459-480. doi: 10.1016/S1474-4422(18)30499-X. PMID: 30879893
Chen ST, Hellkamp AS, Becker RC, Berkowitz SD, Breithardt G, Fox KAA, Hacke W, Halperin JL, Hankey GJ, Mahaffey KW, Nessel CC, Piccini JP, Singer DE, Patel MR, Melloni C. Efficacy and Safety of Rivaroxaban versus Warfarin in Patients with Nonvalvular Atrial Fibrillation and a History of Cancer: Observations from ROCKET AF. <i>Eur Heart J Qual Care Clin Outcomes</i> . 2019 Apr 1; 5(2):145-152. 2018 Sep 14. doi: 10.1093/ehjqcco/qcy040. PMID: 30219887.
GBD 2017 Diet Collaborators. Health effects of dietary risks in 195 countries, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet</i> . 2019; 393(10184):1958-1972. doi: 10.1016/S0140-6736(19)30041-8. PMID: 30954305
Healey JS, Gladstone DJ, Swaminathan B, Eckstein J, Mundl H, Epstein AE, Haeusler KG, Mikulik R, Kasner SE, Toni D, Arauz A, Ntaios G, Hankey GJ, Eur SK, Pagola J, Shuaib A, Lutsep H, Yang X, Uchiyama S, Endres M, Coutts SB, Karlinski M, Czlonkowska A, Molina CA, Santo G, Berkowitz SD, Hart RG, Connolly SJ. Recurrent Stroke With Rivaroxaban Compared With Aspirin According to Predictors of Atrial Fibrillation: Secondary Analysis of the NAVIGATE ESUS Randomized Clinical Trial. <i>JAMA Neurol</i> . 2019 Jul 1; 76(7): 764-773. doi: 10.1001/jamaneurol.2019.0617. PMID: 30958508
Carrivick S, Alfonso H, Golledge J, Clancy P, Flicker L, Gunton JE, Hankey GJ, Almeida OP, Norman PE, Yeap BB. Differential associations of ferritin and 25-hydroxyvitamin D with fasting glucose and diabetes risk in community dwelling older men. <i>Diabetes Metab Res Rev</i> . 2019; 35:e3172. doi: 10.1002/dmrr.3172. PMID: 30997951
Ma H, Campbell BCV, Parsons MW, et al ; EXTEND Investigators; the EXTEND Investigators (includes G Hankey). Thrombolysis Guided by Perfusion Imaging up to 9 Hours after Onset of Stroke. <i>N Engl J Med</i> . 2019; 380:1795-1803.
Campbell BCV, Ma H, Ringleb PA, et al; EXTEND, ECASS-4, and EPITHET Investigators (includes G Hankey). Extending thrombolysis to 4-5-9 h and wake-up stroke using perfusion imaging: a systematic review and meta-analysis of individual patient data. <i>Lancet</i> . 2019; 394:139-147.
Hart RG, Veltkamp RC, Sheridan P, Sharma M, Kasner SE, Bangdiwala SI, Ntaios G, Shoamanesh A, Ameriso SF, Toni D, Czlonkowska A, Lindgren A, Hankey GJ, Perera KS, Shuaib A, Coutts SB, Gagliardi RJ, Berkowitz SD, Mundl H, Peters G, Connolly SJ; NAVIGATE ESUS Investigators. Predictors of Recurrent Ischemic Stroke in Patients with Embolic Strokes of Undetermined Source and Effects of Rivaroxaban Versus Aspirin According to Risk Status: The NAVIGATE ESUS Trial. <i>J Stroke Cerebrovasc Dis</i> . 2019; 28: 2273-2279.
Dirgawati M, Hinwood A, Nedkoff L, Hankey GJ, Yeap BB, Flicker L, Nieuwenhuijsen M, Brunekreef B, Heyworth J. Long-term Exposure to Low Air Pollutant Concentrations and the Relationship with All-Cause Mortality and Stroke in Older Men. <i>Epidemiology</i> . 2019 Jul;30 Suppl 1:S82-S89. doi: 10.1097/EDE.0000000000001034. PMID: 31181010
Gill D, James NE, Monori G, Lorentzen E, Fernandez-Cadenas I, Lemmens R, Thijs V, Rost NS, Scott R, Hankey GJ, Lindgren A, Jern C, Maguire JM; International Stroke Genetics Consortium and the GISCOME Network. Genetically Determined Risk of Depression and Functional Outcome After Ischemic Stroke. <i>Stroke</i> . 2019; 50: 2219-2222.
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Pang E, Lawn N, Chan J, Dunne J. Pharmaceutical costs of anti-epileptic drug treatment in drug resistant epilepsy in Australia: What do we get for our money? Platform Presentation. ESA Annual Scientific Meeting, Sydney, 6-8 November, 2019
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Hankey GJ. In acute ischemic stroke with potentially salvageable tissue, thrombectomy at 6 to 16h increased living at home. <i>Ann Intern Med</i> . 2019;171(12):JC66. doi: 10.7326/ACPJ201912170-066. No abstract available. PMID: 31842224

Conference presentations delivered in 2019 and 2020			
<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
International European Stroke Organisation (ESO)-World Stroke Organisation (WSO) Conference, Large Clinical Trials Session, ESO-WSO 2020 Webinar, May 13, 2020..	Assessment of Fluoxetine in Stroke Recovery (AFFINITY): Results of a double-blind, placebo-controlled, randomised trial.	Plenary, Large Clinical Trials Session	Hankey GJ for the AFFINITY trial collaboration.

European Stroke Organisation Conference, Milan, Italy, May 23, 2019.	Dual antiplatelet therapy after TIA and minor ischaemic stroke: Dual antiplatelet therapy is the therapy of choice.	Invited lecture, Controversies in Stroke II Session.	Hankey GJ.
Stroke Prevention Initiative Global Summit, Pestana Amsterdam Riverside Hotel, Amsterdam, 28-29, March 2019.	Supporting patients and physicians to improve adherence and persistence to anticoagulation.	Invited lecture	Sharma M, Hankey G.
AstraZeneca clinical development advisory board on the genetically modified human CD39L3 – AZD3366 in Acute Ischemic Stroke, Renaissance London Heathrow Hotel, 10 – 11 June, 2019.	<ol style="list-style-type: none"> 1. Ischemic stroke: Standard of care today and in the future, including global perspective. 2. Neuroprotection in acute ischemic stroke. 	Invited lectures	Hankey GJ
National Stroke Society of Australasia 2019 29th Annual Scientific Meeting, September 10-13, 2019, National Convention Centre, Canberra, ACT, Australia.	AXIOMATIC-SSP trial: Antithrombotic treatment with factor XIa inhibition to Optimize Management of Acute Thromboembolic events for Secondary Stroke Prevention.	Australasian Stroke Trials Network (ASTN) session	Hankey GJ.
Local University of Western Australia, Health and Medical Sciences, Health Awards and Public Masterclass on Cardiovascular Diseases. Kenneth JG Sutherland Lecture Theatre, QE II Medical Centre, Nedlands, Western Australia, October 3, 2019.	Stroke: how to prevent it and treat it..	Lecture.	Hankey GJ.
8 February 2019 - Epilepsy Society of Australia Clinical. Sydney,	Epilepsy Teaching Course Seizures and Behavioural challenges	Small group interactive format.	Invited teaching faculty and speaker Prof Dunne
9-10 Feb 2019 - Australian & NZ Association of Neurologists Sydney, Australia.	EEG Course	Small group interactive format.	Convenor, Teaching faculty and lecturer Prof Dunne
30 Mar-1 Apr 2019 5rd NESSAN EEG teaching Course Bhubaneswar, India.	Technical aspects of EEG recording- How to write and EEG report	Small group interactive format.	Teaching Faculty and Lecturer Prof Dunne
06-07 April 2019 Asian Epilepsy Academy (ASEPA) Clinical Epilepsy interactive course. Ho Chi Minh City, Vietnam.	Epilepsy: Is treatment needed, and initial treatment choices	Small group interactive format.	Convenor, teaching faculty and lecturer Prof Dunne

13-14 April 2019 Asian Epilepsy Academy (ASEPA) and Taiwan Epilepsy Society 3rd EEG Masterclass 2019 and ASEPA EEG Examination. Taipei, Taiwan.	EEG reading with master	Small group interactive format.	Invited speaker, EEG Examiner Prof Dunne
25-26 May 2019 Vietnamese Neurology Congress – New Advances in Clinical Neurology Da Lat, Vietnam.	Rational polytherapy in epilepsy Treatment resistant epilepsy	Small group interactive format.	Invited plenary speaker Prof Dunne
14-15 June 2019 24th Korean Epilepsy Congress, Seoul, South Korea.	Normal EEG in adults and children Driving to distraction – certification of fitness to drive with epilepsy	Small group interactive format.	Invited speaker Prof Dunne
22-26 June 2019 33rd International Epilepsy Congress, Bangkok, Thailand	Invited guest	Small group interactive format.	Invited guest, Ambassador for Epilepsy Award recipient ILAE-Asia Oceania committees Prof Dunne
4-5 July 2019 ASEPA-ANZAN Bharu, Kelantan, Malaysia.	2-day EEG Teaching Course. Kota B	Small group interactive format.	Convenor, teaching faculty and lecturer Prof Dunne
6-7 July 2019 29th Malaysian Society of Neurosciences Annual Scientific Meeting. Kota Bharu, Kelantan, Malaysia	Status epilepticus	Small group interactive format.	Invited Speaker Prof Dunne
19-20 July 2019 Asian Epilepsy Academy (ASEPA), Epilepsy Syndromes Workshop. Jinan, China	Lennox Gastaut syndrome and other symptomatic generalised epilepsies Photosensitivity and other reflex epilepsies -Antiepileptic drugs and their selection	Small group interactive format.	Invited plenary speaker Prof Dunne
12-13 October 2019 ASEPA 2-day EEG Teaching Course.. Ho Chi Minh City, Vietnam.	EEG Teaching	Small group interactive format.	Convenor, Teaching faculty and lecturer Prof Dunne
29-30 November 2019 ASEPA-CAAE-ANZAN 2-day EEG Teaching Course Shenzhen, China.	EEG Teaching Course	Small group interactive format.	Convenor, teaching faculty and lecturer Prof Dunne

11-12 January 2020 Asian Epilepsy Academy (ASEPA) and Malaysian Society of Neurosciences pre surgical evaluation)Kuala Lumpur, Malaysia	1st VEEG Course(video-EEG monitoring and pre surgical evaluation) Corpus callosotomy in intractable epilepsy EEG in specific epilepsy syndromes	Small group interactive format.	Convenor, teaching faculty and lecturer Prof Dunne
7 Feb 2020 - Epilepsy Society of Australia Clinical Epilepsy Sydney, Australia.	Can I drive? Driving and epilepsy	Small group interactive format.	Teaching faculty and lecturer Prof Dunne
8-9 Feb 2020 Australian & NZ Association of Neurologists EEG Course. Sydney, Australia.	EEG Course	Small group interactive format.	Teaching faculty and lecturer Prof Dunne
Examiner, Asian Epilepsy Academy and ASEAN Neurological Association EEG Certification. The examination aims to set and to improve the standards of practice of EEG in the Asian Oceanian region. Examining candidates from throughout the Asia-Pacific region. Sydney February 2019 Taipei, Taiwan April 2019 Sydney November 2019 Singapore December 2019 Taipei, Taiwan December 2019	EEG Course	Small group interactive format.	Invited teaching faculty and speaker Prof Dunne

Grants/funding approved in 2019 and 2020						
<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Administrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
NHMRC Practitioner Fellowship, Application ID: APP1137020	Reducing the burden of stroke	Hankey GJ.	UWA	\$577,188.50	2018	2022
NHMRC Program Grant, Application ID: 1113352. Top ranked NHMRC program grant for the year.	Saving brain and changing practice in stroke.	Davis SM, Donnan GA, Hankey GJ, Parsons M, Levi C, Campbell B	University of Melbourne	\$13,787,375.00	2017	2021
NHMRC Project Grant,	Assessment of Fluoxetine In	Hankey GJ, Hackett M, Almeida O, Flicker L, Mead		\$2,212,237.40	2014	2019

Application: APP1059094	sStroke recovery (AFFINITY)	G, Dennis MS, Etherton-Beer C, Ford A, Billot L, Jan S.				
Zrinski Research Grant	Improvement of pulmonary function, gait and mobility in Parkinson's Disease following Inspiratory Muscle Training	S. Ghosh and I.D. Cooper:	Parkinson's WA	\$140,500	2018	2020

Staff with an adjunct appointment

<i>Institution</i>	<i>Number of staff</i>
UWA	5

Contributions to the research community

Graeme Hankey - Editorial roles

Associate Editor, *Circulation*

Editorial Consultant, *The Lancet Neurology*

Consulting Editor, *International Journal of Stroke*

Section Co-Editor (Epidemiology, Outcomes, & Population Science), *Stroke*.

Editorial board member of:

Stroke

Cochrane Stroke Review Group

Cerebrovascular Diseases

Neuro-epidemiology

Journal of Thrombosis and Thrombolysis

International Review of Thrombosis.

Graeme Hankey - Chair

Enhanced Control of Hypertension and Thrombectomy Stroke Study (ENCHANTED)-2 trial of blood pressure lowering in patients with acute ischaemic stroke with successful recanalization after mechanical thrombectomy (PI. CS Anderson)

ReMEDy Trial: A Randomized, Double-blind, Placebo-controlled Phase II Multi-Center Evaluation to Assess the Safety and Tolerability of DM199 Administered Intravenously and Subcutaneously in Subjects with Acute Ischemic Stroke.

ReCAPS trial: Recovery-focused Community support to Avoid readmissions and improve Participation after Stroke Phase III RCT – PI Prof D Cadilhac, Melbourne, Australia.

TEXAIS trial: A multi-centre, randomised controlled Trial of Exenatide in Acute Ischemic Stroke in Australian and New Zealand. TEXAIS - Trial of EXenatide in Acute Ischaemic Stroke (CI: C Bladin)

ACI-24: Efficacy and safety of ACI-24 in patients with mild to moderate Alzheimer's Disease: A phase I/II double-blind, randomised, placebo-controlled, adaptive design trial. ACI-24-0701, Eudra CT number 2008-006257-40. AC Immune, Lausanne, Switzerland

Graeme Hankey - Member

Triple therapy prevention of Recurrent Intracerebral Disease Events Trial (TRIDENT). (PIs: Craig Anderson, Clara Chow, John Chalmers).

PROTECT-U: a Prospective Randomized Open-label Trial to Evaluate risk factor management in patients with Unruptured intracranial aneurysms (PIs: Gabriel Rinkel, Ale Algra, Mervyn Vergouwen and Nima Etminan; The Netherlands and Germany)

STATins in Reducing Events in the Elderly (STAREE) clinical trial.

Graeme Hankey - Steering Committees

Co-Chair, Assessment of Fluoxetine in Stroke recovery (AFFINITY) trial (CIA GJ Hankey)

Efficacy of fluoxetine – a randomised controlled trial in stroke (EFFECTS) trial in Sweden (PI. E. Lundstrom)

Fluoxetine Or Control Under Supervision (FOCUS) trial in UK (PI M Dennis)

AXIOMATIC-SSP (CV010-031) trial: A Global, Phase 2, Randomized, Double-Blind, Placebo-Controlled, Response-Adaptive Dose-Ranging Study of BMS-986177, an Oral Factor XIa Inhibitor, for the Prevention of New Ischemic Stroke or New Covert Brain Infarction in Patients Receiving Aspirin and Clopidogrel Following Acute Ischemic Stroke or Transient Ischemic Attack (TIA) – PI Dr M Sharma, Canada.

Longitudinal Study of Young Patients with Embolic Stroke of Undetermined Source (ESUS), Population Health Research Institute, Canada (PI. RG Hart)

Reducing the International Burden of Stroke Using Mobile Technology (RIBURST) and Stroke Riskometer app Study (PI: Prof V Feigin, MD)

Graeme Hankey - International Stroke Conference Program Committee

American Heart Association/American Stroke Association, Council on Stroke, International Stroke Conference Program Committee, 2018-2021

Graeme Hankey - Outcome events adjudication committee

Chair, Outcome Events Adjudication Committee, Low-dose colchicine for secondary prevention of cardiovascular disease – LoDoCo2 trial. (PI. M Nidorf)

Graeme Hankey - Advisory Committee

STOPstroke study, PI A/Prof. Seana Gall, Menzies Institute for Medical Research, University of Tasmania

Dr Ghosh - Canadian Journal of Neurological Sciences: manuscript review

Dr Ghosh - Parkinsons WA, April 2019: Public talk to patients with newly diagnosed Parkinson's Disease

Successes

In 2019, Professor Hankey was named a Higher Cited Researcher by the Web of Science Group, Clarivate Analytics, in recognition of exceptional performance demonstrated by production of multiple highly cited papers that rank in the top 1% in the world for field and year in Cross-Field (author or co-author of 10 books and >900 research articles, with > 100,000 citations Web of Science [h-index 121]).

In 2017 and 2018 he was named a Higher Cited Researcher by the Web of Science Group, Clarivate Analytics, in the field of Clinical Medicine

In April 2020, Professor Hankey was ranked 614 in the world among Highly Cited Researchers (h-index > 100) according to their Google Scholar Citations public profiles, by Ranking Web of Universities in April, 2020 <<http://webometrics.info/en/hlargerthan100>>.

Neurosurgery

Articles published in 2019

Cooper DJ, Nichol AD, Bailey M, Bernard S, Cameron PA, Pili-Floury S, Forbes A, Gantner D, Higgins AM, Huet O, Kasza J, Murray L, Newby L, Presneill JJ, Rashford S, Rosenfeld JV, Stephenson M, Vallance S, Varma D, Webb SAR, Trapani T, McArthur C; POLAR Trial Investigators and the ANZICS Clinical Trials Group. Effect of Early Sustained Prophylactic Hypothermia on Neurologic Outcomes Among Patients With Severe Traumatic Brain Injury: The POLAR Randomized Clinical Trial. *JAMA*. 2018;320(21):2211-2220

Thean D, Lam A, Honeybul S. Isolated medial rectus palsy following closed head injury. *J Clin Neurosci*. 2019;67:263-265.

Corbett JM, Ho KM, Honeybul S. Prognostic significance of abnormal hematological parameters in severe traumatic brain injury requiring decompressive craniectomy. *J Neurosurg*. 2019 132(2):545-551.

Ho KM, Rao S, Honeybul S, Zellweger R, Wibrow B, Lipman J, Holley A, Kop A, Geelhoed E, Corcoran T A randomized prospective multicentre study on the use of Vena cava filters in severely injured trauma patients: The Da Vinci trial. *N Engl J Med*. 2019;381(4):328-337.

Cooper DJ, Rosenfeld JV, Murray L, Arabi YM, Davies AR, Ponsford J, Seppelt I, Reilly P, Wieggers E, Wolfe R; DECRA Trial Investigators and the Australian and New Zealand Intensive Care Society Clinical Trials Group. Patient Outcomes at Twelve Months after Early Decompressive Craniectomy for Diffuse Traumatic Brain Injury in the Randomized DECRA Clinical Trial. *J Neurotrauma*. 2020 ;37(5):810-816.

Honeybul S. Balancing the short-term benefits and long-term outcomes of decompressive craniectomy for severe traumatic brain injury. *Expert Rev Neurother*. 2020;20(4):333-340

Robertson FC, Esene IN, Koliass AG, Kamalo P, Fieggen G, Gormley WB, Broekman MLD, Park KB; Collaborative Working Group. Task-Shifting and Task-Sharing in Neurosurgery: An International Survey of Current Practices in Low- and Middle-Income Countries. *World Neurosurg* X. 2019 Sep 9;6:100059

Robertson FC, Esene IN, Koliass AG, Khan T, Rosseau G, Gormley WB, Park KB, Broekman MLD; Global Neurosurgery Survey Collaborators. Global Perspectives on Task Shifting and Task Sharing in Neurosurgery. *World Neurosurg* X. 2019 Sep 9;6:100060

Microglia are both a source and target of extracellular cyclophilin A. Flora GK, Anderton RS, Meloni BP, Guillemin GJ, Knuckey NW, MacDougall G, Matthews V, Boulous S. *Heliyon*. 2019 Sep 3;5(9):e02390. doi: 10.1016/j.heliyon.2019.e02390. eCollection 2019 Sep. PMID: 31517118 Free PMC article.

Proteomic analysis of cortical neuronal cultures treated with poly-arginine peptide-18 (R18) and exposed to glutamic acid excitotoxicity. MacDougall G, Anderton RS, Mastaglia FL, Knuckey NW, Meloni BP. *Mol Brain*. 2019 Jul 17;12(1):66. doi: 10.1186/s13041-019-0486-8. PMID: 31315638 Free PMC article.

Church EW, Church EB, Rizk EB, Knuckey NW. *Neurosurgery*. Commentary: Neurosurgery in Western Australia. 2019 Apr 1;84(4):E251-E256. doi: 10.1093/neuros/nyy631. PMID: 30597064 No abstract available.

MacDougall G, Anderton RS, Mastaglia FL, Knuckey NW, Meloni BP Mitochondria and neuroprotection in stroke: Cationic arginine-rich peptides (CARPs) as a novel class of mitochondria-targeted neuroprotective therapeutics. *Neurobiol Dis*. 2019 Jan;121:17-33. doi: 10.1016/j.nbd.2018.09.010. Epub 2018 Sep 13. PMID: 30218759 Review.

Meloni BP, South SM, Gill DA, Marriott AL, Déziel RA, Jacques A, Blacker DJ, Knuckey NW. *J Neuropathol Exp Neurol*. 2019 May 1;78(5):426-435. doi: 10.1093/jnen/nlz014. PMID: 30888409

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Liddle L, Meloni BP, Chen Y, Harrison KA, Nashed JY, Blacker DJ, South SM, Anderton RS, Mastaglia FL, Winterborn A, Knuckey NW, Cook DJ Poly-Arginine Peptide-18 (R18) Reduces Brain Injury and Improves Functional Outcomes in a

Nonhuman Primate Stroke Model. <i>Neurotherapeutics</i> . 2019 Dec 12. doi: 10.1007/s13311-019-00809-1. Online ahead of print. PMID: 31833045
Reinders R, South S, Blacker D, Knuckey N, Colbourne F, Meloni B. Poly-arginine-18 peptides do not exacerbate bleeding, or improve functional outcomes following collagenase-induced intracerebral hemorrhage in the rat. <i>PLoS One</i> . 2019 Nov 7;14(11):e0224870. doi: 10.1371/journal.pone.0224870. eCollection 2019. PMID: 31697775 Free PMC article.
Meloni BP, Chen Y, Harrison KA, Nashed JY, Blacker DJ, South SM, Anderton RS, Mastaglia FL, Winterborn A, Knuckey NW, Cook DJ Poly-Arginine Peptide-18 (R18) Reduces Brain Injury and Improves Functional Outcomes in a Nonhuman Primate Stroke Model. <i>Neurotherapeutics</i> . 2019 Dec 12. doi: 10.1007/s13311-019-00809-1. Online ahead of print. PMID: 31833045
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TRAUMATIC BRAIN INJURY: A MULTIDISCIPLINARY APPROACH: Cambridge University Press Editor: Peter Whitfield Chapter: Cranioplasty after head injury - Honeybul
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Nursing

Articles published in 2019 and 2020

Barnard, M., Coventry, L., Foster, L., Davis, S., Twigg, D., Bharat, C., Boston, J. The psychometric validation of the quality practical experience (QPE) instruments (nurses and student nurse) to evaluate clinical supervision of undergraduate student nurses. *Nurse Education in Practice*, 2020: 43 <https://doi.org/10.1016/j.nepr.2020.102697> (IF 1.665)

Stone, L., Arneil, M., Coventry, L., Casey, V., Moss, S., Cavadino, A., Laing, B., McCarthy, A.L. Benchmarking nurse outcomes in Australian Magnet hospitals: Cross-sectional survey. <i>BMC Nursing</i> . 2019;18;62 https://doi.org/10.1186/s12912-019-0383-6 (IF 1.690)
Davies, H., Coventry, L., Jacob, A., Stoneman, L., Jacob, E. Blood sampling through peripheral intravenous cannulas: A look at current practice in Australia. <i>Collegian</i> . In Press, Available online 28 November 2019 https://doi.org/10.1186/s12912-019-0383-6 (IF 1.231)
Coventry, L., Hosking, J., Chan, D., Coral, E., Lim, W., Towell-Barnard, A., Twigg, D., Rickard, C. Variables associated with successful vascular access cannulation in hemodialysis patients: A prospective cohort study. <i>BMC Nephrology</i> . 2019: 20: 197 (IF 1.43) https://doi.org/10.1186/s12882-019-1373-3 (IF 2.088)
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Barnard, M., Coventry, L., Foster, L., Davis, S., Twigg, D., Bharat, C., Boston, J. The psychometric validation of the quality practical experience (QPE) instruments (nurses and student nurse) to evaluate clinical supervision of undergraduate student nurses. <i>Nurse Education in Practice</i> , 2020: 43 https://doi.org/10.1016/j.nepr.2020.102697 (IF 1.665)
Stone, L., Arneil, M., Coventry, L., Casey, V., Moss, S., Cavadino, A., Laing, B., McCarthy, A.L. Benchmarking nurse outcomes in Australian Magnet hospitals: Cross-sectional survey. <i>BMC Nursing</i> . 2019;18;62 https://doi.org/10.1186/s12912-019-0383-6 (IF 1.690)
Davies, H., Coventry, L., Jacob, A., Stoneman, L., Jacob, E. Blood sampling through peripheral intravenous cannulas: A look at current practice in Australia. <i>Collegian</i> . In Press, Available online 28 November 2019 https://doi.org/10.1186/s12912-019-0383-6 (IF 1.231)
Coventry, L., Hosking, J., Chan, D., Coral, E., Lim, W., Towell-Barnard, A., Twigg, D., Rickard, C. Variables associated with successful vascular access cannulation in hemodialysis patients: A prospective cohort study. <i>BMC Nephrology</i> . 2019: 20: 197 (IF 1.43) https://doi.org/10.1186/s12882-019-1373-3 (IF 2.088)
Coventry, L., Jacob, A., Davies, H., Stoneman, L., Keogh, S., Jacob, E., Drawing blood from peripheral intravenous cannula compared with venepuncture: A systematic review and meta-analysis. <i>Journal of Advanced Nursing</i> . 2019;75; 2313-2339 https://doi.org/10.1111/jan.14078 (IF 2.267)
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Towell-Barnard, A., Slatyer, S., Cadwallader, H., Harvey, M., Davis, S. (2019). The influence of adaptive challenge on engagement of multidisciplinary staff in standardising aseptic technique in an emergency department: A qualitative study. <i>Journal of Clinical Nursing.</i>
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Toye C, Slatyer S, Kitchen S, Ingram K, Bronson M, Edwards D, et al. The effect of bed moves on falls for older people with high falls risk in an acute hospital: a mixed methods study, <i>Clin Interv Aging.</i> 2019 Dec 18;14: 2223-2237. doi: 10.2147/CIA.S211424
Towell-Barnard A, Slatyer S, Cadwallader H, Harvey M, Davis S. The influence of adaptive challenge on engagement of multidisciplinary staff in standardising aseptic technique in an emergency department: a qualitative study. <i>J Clin Nurs.</i> 2019 Nov 18; 29(3-4):459-467. doi: 10.1111/jocn .15109
de Almeida KMV, Toye C, de Arruda Silveira LV, Slatyer S, Hill K, Jacinto AF. Assessment of functional health literacy in Brazilian carers of older people. <i>Dement Neuropsychol.</i> 2019 June; 13(2):180-186. doi: 10.1590/1980-57642019dn13-02006
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Doleman, G, Twigg, D, Bayes, S. (Approved awaiting publication). A comparison of middle managers and paediatric nurses satisfaction with organisational communication. Journal of nursing management.

Conference presentations delivered in 2019 and 2020			
<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
1st Hong Kong Cochrane Symposium	Benchmarking nursing outcomes in Australian Magnet hospitals.	Oral Presentation.	Stone, L.M., Arneil, B., Coventry, L., Casey, V., Moss, S., Laing, B.B., Cavadino, A., McCarthy, A.L.
Inaugural symposium on the acute care of people with cognitive impairment. Perth, Western Australia.	Preparation, partnerships and planning for person-focussed hospital care.	Invited Oral presentation.	Associate Professor Chris Toye
Australian Vascular Access Society Scientific Meeting.	Drawing blood from peripheral intravenous cannula compared with venepuncture: A systematic review and meta-analysis	Oral presentation	Coventry, L., Jacob, A., Davies, H., Stoneman, L., Keogh, S.
1st Hong Kong Cochrane Symposium	Benchmarking nursing outcomes in Australian Magnet hospitals.	Oral presentation	Stone, L.M., Arneil, B., Coventry, L., Casey, V., Moss, S., Laing, B.B., Cavadino, A., McCarthy, A.L.
Nursing and Midwifery Leadership Conference, Perth, Western Australia.	Acupuncture, its place in nursing: safety and side effects of acupuncture therapy in Australia	Oral presentation	Wang, C., Tan, B., & Williams, A
Oceanic Palliative Care Conference	Delivery of dignity therapy using e-health: A feasibility study	Oral presentation	Bentley, B., Williams, A.M., O'Connor, M., Breen, L., Kane, R., & Moorin, R.
Cancer Nurses Society Australia Annual Congress	A one day wellbeing workshop for cancer nurses: Can it make a difference?	Oral presentation	Williams, A.M., Allen, E., Williams, N., Slayer, S., Cope, V., Towell-Barnard, A., Petterson, A., Morrison, P., Stomski, N., Pienaar, C., Jaques, A., Buchanan, G., Monterosso, L., Twigg, D., & Maben, J.

Cancer Nurses Society Australia Annual Congress	Cancer Nurse Wellbeing Pre-Congress Symposium	Oral presentation	Williams, A.M., Williams, N.J., Slatyer, S., & Cope, V.
17th Qualitative Methods (QM) Conference	Reflecting on an Image: Photo Diary as a tool for Researcher Reflexivity	Oral presentation	Browne, C.A., Fetherston, C.M., & Williams, A.M.
Continenence Foundation of Australia: Western Australian Branch Conference,	The effect of obesity on continence & the impact of health professional's attitudes towards the obese patient in seeking treatment	Oral presentation	Towell-Barnard, A.
Cancer Nurses Society of Australia (CNSA) – 22nd Annual Congress	Cancer Nurse Wellbeing Symposium	invited oral presentation	Slatyer, S.
Psi Alpha at-Large Chapter Research Symposium.	From Expert to Novice: Supporting Nurses' Transitions into Leadership Roles	Invited Oral presentation	Slatyer, S.

Grants/funding approved in 2019 and 2020						
Funding body and grant type	Project title	CIs and PIs	Administrating organisation	Total Amount	Start year	Finish year
Nursing and Midwifery Office Early Stage funding for - Research/Practice Improvement Activities	Examining consumer experiences of a tertiary hospital emergency department in Western Australia- a mixed methods study	Anne Matthews, Mandy Towell-Barnard, Lisa Whitehead, Carl Yuile	WA Nursing and Midwifery Office	\$ 29,500	2019	2021
Edith Cowan University	Edith Cowan University Vice Chancellor Research Fellowship	Linda Coventry	Edith Cowan University	\$ 652,414	2020	2023
Edith Cowan University Centre for Learning and Teaching	Measuring attitude change as an evaluation of learning in NUM2308 Aboriginal and Torres Strait Islander Peoples; Health and Wellness.	McCullough, K., Schulz, R., Coventry, L., Garvey, D., Scriven, R	Edith Cowan University	\$ 5,000	2019	2019
Edith Cowan University Early Career Researcher Grant Scheme	Evaluation of the Western Australian Haemodialysis Vascular Assessment Complexity instrument: content validity, reliability and predictive validity.	Coventry, L., Morelius, E	Edith Cowan University	\$ 30,000	2019	2019
Edith Cowan University Industry Collaborative Grant,	Evaluating nurse change-of-shift handovers at a private hospital.	O'Connell, B., Saunders, R., Coventry, L., Towell-Barnard, A., Gullick, K., Thoreson, S.	Edith Cowan University	\$75,798	2019	2020
NHMRC Project Grant 2018 commencing 2019	Multicentre randomised controlled trial: caregiver, patient, and system outcomes from a program supporting	Toye, C., Hill, AM., Moyle, W., Moorin, R., Hill, JD., Slatyer, S., Bryant, C.,	NHMRC	\$1,500,380.98.	2019	2024

	informal caregivers of older people discharged home from hospital	Waldron, N., Aoun, S., Parsons, R., Kamdar, A., Reberger, C., Jones, C., Grealish, L., Bronson, M., Bulsara, M., Maher, S. Claverie, T				
Cancer Nurses Society Australia	Planning and preparing a nurse led wellbeing support program for staff working in a hospital cancer centre.	Williams, A.M., Slatyer, S., Jeans, R., Scott, C., Bamblett, M., Lam, W.S.	Cancer Nurses Society	\$7,500	2020	2022
Small grant Fund Murdoch University	Developing and pilot testing an instrument to measure healthy ageing in an Australian spinal cord injury population.	O'Brien, I., Williams, A.M., Theroux, J. & Phillips, C.	Murdoch University	\$3,000	2019	2021
ECU Early Career Researcher Grant Scheme	Developing a research-based clinical practice guideline for breast cancer patients to self-manage fatigue, insomnia and depression using moxibustion (Phase 1).	Wang, C., Walker, D.K., Williams, A.M.	Edith Cowan University	\$27,500	2019	
Diabetes, Australia	The effectiveness of D-Mannose in preventing recurrent urinary tract infections in patients with high risk	Patton, V., Kaye, J., Towell-Barnard, A.	Diabetes Australia	\$ 60,000	2020	2022
Edith Cowan Partnership Grant & Hollywood Private Hospital	Evaluating nurse change-of-shift handovers at a private hospital	O'Connell, B., Saunders, R., Coventry, L., Towell-Barnard, A., Gullick, K., Thoreson, S.	Edith Cowan University	\$ 20,000	2019	2021
Nursing and Midwifery Office Early Stage funding for Research/Practice Improvement Activities	Family experience of an Australian adult intensive care unit waiting room - A mixed-method study	Ning, J., Towell-Barnard, A., Laurie, K., Martindale, G.,	Nursing and Midwifery Office	\$30,500	2019	2021

Nursing and Midwifery Office	Identification of Strengths and Weaknesses of Nurse Change-of-Shift Handovers at Sir Charles Gairdner Hospital.	House, A. Connell, B; Thorensen S	Nursing and Midwifery Office	\$7,537.50	2020	2021
Research Advisory Council	Optimising Patient Care Assistants (PCAs) capacity to deliver safe patient care: A participatory action approach at Sir Charles Gairdner Hospital.	Kitchen S. Connell, B; Thorensen S	Research Advisory Council	\$5,000	2020	2021
ECU Industry Engagement Grant, Alzheimers WA	Expanding the evidence base for early dementia intervention programs	O'Connell, B. Thoresen S, Symth A.	Edith Cowan University	\$100,845	2019	2021
Ramsay Hospital Research Foundation, Grant	Optimising outcomes for frail hospitalised older adults - volunteer support and pain assessment interventions: A cluster randomised control trial,	Saunders R, O'Connell, B, et al.	Ramsay Hospital	\$734, 070	2020	2022
Research and Evaluation Services, Grant	Research and Evaluation partnership for Injury Prevention, Injury Matters - Research and Evaluation Services, Grant	Fortington, L; O'Connell, B; Finch, C;	Research and Evaluation Services	\$479,397	2019	2024
WA Nurses Memorial Charitable Trust	The cultural aspects related to assessment and management of pain: Creating new resources to enhance nurses' insights and practice	Slatyer, S.	WA Nurses Memorial Charitable Trust	\$14,980	2019	2019
Murdoch University SHEE College Small Research Grant	The cultural aspects related to assessment and management of pain: Creating new resources to enhance nurses' insights and practice.	Slatyer, S.	Murdoch University	\$15,000	2019	2019
Edith Cowan University	Embedding a nursing employability	Doleman, G.	Edith Cowan University	\$ 5,000		

	framework and technology enhanced WIL to develop nursing graduate employability					
WA Department of Health	Core WA Data Set and Conceptual Framework Phase 2	Doleman, G.	WA Department of Health	\$26,045	2019	2021
WA Department of Health	Systematic Review on Workload Methodologies	Doleman, G.	WA Department of Health	\$ 17,265	2019	2020

Staff with an adjunct appointment

<i>Institution</i>	<i>Number of staff</i>
Adjunct Senior Lecturer, Division of Health Professions Education, School of Allied Health, UWA	1
Adjunct Research Fellow, School of Nursing, Midwifery & Paramedicine, Curtin University	1
Honorary Professor, Deakin University	1
Adjunct Nursing Research Consultant, Nursing Practice & Research Network, Fiona Stanley Fremantle Hospital Group.	1

Contributions to the research community

Member of SCGOPHCG HREC: 2 staff members
Member of SCOPHCG Scientific Review Committee: 2 staff members
Supervision of Research Students - 6 staff members
Member of Nursing Academic Committee Murdoch University (post graduate students inc; HDR)- 3 staff members
Member of Research Advisory Committee: 1 staff member
Member of SCGOPHCG Research week Committee: 2 staff members

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Member of Research Advisory Committee: 1 staff member
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Successes

Chris Toye has been a Research Consultant in the Centre for Nursing Research at Sir Charles Gairdner Hospital for approximately 15 years. Chris's clinical nursing background in both hospital and long-term care settings, plus a postdoctoral position in the Cancer Foundations' Cottage Hospice, led to a particular interest into how best to support unwell older people and their families during care transitions. Care for older people experiencing cognitive impairment has also been a particular focus of her work. In 2015, Chris and her team were awarded funding from the WA State Health Research Advisory Council to test a program to support carers of older people returning home from hospital. Building upon the success of this study, the NHMRC funded a (current) study to further test the program in a multi-site trial. In parallel, Chris has led multiple studies at SCGH intended to lead to enhanced care for older people with cognitive impairment, alongside many similarly committed clinicians and researchers – contributing, albeit in a small way, to the body of knowledge informing clinical practice. Chris's greatest 'highlight' as a researcher, however, has been the 'journey' itself. She has especially valued two things at SCGH:

- working alongside clinicians and researchers who are passionate about providing the best possible outcomes for some of the most vulnerable members of our society – older people who are unwell, frail, or experiencing cognitive impairment and
- working in an organization that recognizes and supports research as a pre-requisite for excellence in clinical practice.

We thank Chris for her contribution to research and wish her well as she retires in July 2020. She will be missed by her friends and colleagues in the Centre for Nursing Research and Sir Charles Gairdner hospital.

Occupational Therapy

Articles published in 2019 and 2020

Harper KJ, Riley V, Jacques A, MacDonald K, Spendier N. Australian modified Lawton's Instrumental Activities of Daily Living Scale contributes to diagnosing older adults with cognitive impairment. *Australas J Ageing*. 2019;38:199-205. <https://doi.org/10.1111/ajag.12629>

Harper KJ, Riley V, Petta A, Jacques A, Spendier N, Ingram K. Occupational therapist use of the 'Timed Up and Go' test in a Memory Clinic to compare performance between cognitive diagnoses and screen for falls risk. *Aust Occup Ther J*. 2020;67:13-21. <https://doi.org/10.1111/1440-1630.12617>

Harper KJ, Jacques A, Barton A. Validity and reliability of the Daily Living Self-Efficacy Scale in subacute geriatric rehabilitation. *Phys Occup Ther Geriatr*. 2020;38(1): 31-42. <https://doi.org/10.1080/02703181.2019.1675844>

Toye C, Slatyer S, Kitchen S, et al. Bed moves, ward environment, staff perspectives and falls for older people with high falls risk in an acute hospital: a mixed methods study. *Clin Interv Aging*. 2019;14:2223-2237. <https://doi.org/10.2147/CIA.S211424>

Byrne B, Jacques A, Gurfinkel R. Non-surgical management of isolated proximal phalangeal fractures with immediate mobilization. *J Hand Surg Eur Vol*. 2020;45(2):126–130. <https://doi.org/10.1177/1753193419881086>

Conference presentations delivered in 2019 and 2020

<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
Western Australia Grassroots Falls Conference	Clinical Effectiveness of the TUG in a Memory Clinic	Oral	Kristie Harper
Western Australia Grassroots Falls Conference	Fall prevention intervention strategies benefit older people in the Emergency Department: A Systematic Review and Meta-analysis	Poster	Kristie Harper
12th Asian Pacific Federation of Societies for Surgery of the Hand and the 8th Asian Pacific Federation	Innovative splint design improves functional movement and grasp in a patient with Rheumatoid Arthritis: A case report.	Oral	Rebecca Kevill

of Societies of Hand Therapists Conference			
12th Asian Pacific Federation of Societies for Surgery of the Hand and the 8th Asian Pacific Federation of Societies of Hand Therapists Conference	Non-surgical management of digital extra-articular proximal phalangeal fractures and non-surgical management of digital metacarpal shaft fractures.	Invited speaker	Brent Byrne
12th Asian Pacific Federation of Societies for Surgery of the Hand and the 8th Asian Pacific Federation of Societies of Hand Therapists Conference	When not to operate. Ten year results using a dynamic treatment for proximal phalangeal fractures of the hands	Oral	Brent Byrne
Inaugural Allied Health Education Seminar, Fiona Stanley Hospital	Research Capacity Building for Tertiary Occupational Therapy Departments	Oral	Susan Taylor

Grants/funding approved in 2019 and 2020						
<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Administrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
Research Advisory Committee – Small Grants	Homeward bound - Early discharge to prevent unnecessary admissions to the Medical Assessment Unit	Deborah Edwards, Susan Taylor, Kristie Harper, Annette Barton	SCGH	\$5000	2019	2020
Research Advisory Committee – Small Grants	How do we best support patients with mild to moderate frailty after discharge from an Emergency Department?	Kym Murphy, Kristie Harper, Susan Taylor, Deborah Edwards	SCGH	\$5000	2019	2020
Research Advisory Committee – Small Grants	The long term impact of injury: An occupational therapy investigation into hand function and patient reported outcomes 4 years after discharge	Brent Byrne, Susan Taylor, Kristie Harper, Annette Barton	SCGH	\$5000	2019	2020
Research Advisory Committee – Small Grants	A telephone survey with patients to investigate acceptance and adherence to falls prevention recommendations following an Occupational Therapy Home Risk Assessment	Emma Willoughby, Kristie Harper, Susan Taylor	SCGH	\$5000	2019	2020
Research Advisory Committee – Small Grants	The effects of a preventative approach on hospital acquired pressure injuries.	Sascha Holbrook, Annette Barton, Kristie Harper,	SCGH	\$5000	2019	2020

		Colleen O'Brien-Malone				
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Staff with an adjunct appointment	
<i>Institution</i>	<i>Number of staff</i>
Susan Taylor, Curtin University (University Associate)	1
Kristie Harper, Curtin University (University Associate)	1

Contributions to the research community
Kristie Harper (SCGOPHCG HREC Member, Supervision of Curtin University Honours Students)
Susan Taylor (Child and Adolescent Health Service Research Reference Group member, Supervision of Curtin University honours students and SMHS Masters student)

Pharmacy

Articles published in 2019 and 2020
Lan NSH, Vekaria S, Sidhu C, Lee YCG. Very low-dose intrapleural tPA for indwelling pleural catheter-associated symptomatic fluid loculation. <i>Respirol Case Rep.</i> 2019;7(7):e00457. Published 2019 Jul 3. doi:10.1002/rcr2.457
Vekaria S, Popowicz N, White SW, Mulrennan S. To be or not to be on CFTR modulators during pregnancy: Risks to be considered [published online ahead of print, 2019 Dec 24]. <i>J Cyst Fibros.</i> 2019;S1569-1993(19)30983-X. doi:10.1016/j.jcf.2019.12.004
Graudins LV, Fitzsimons K, Mainas E, Mirkov S, Nguyen NA, Munro C. Medicines Use Evaluation Guideline. <i>Journal of Pharmacy Practice and Research</i> , 2020 Apr; vol.50, no.2
Foy F, Luna G, Martinez J, Nizich Z, Seet J, Lie K, Sunderland B, Czarniak. An investigation of the stability of meropenem in elastomeric infusion devices. <i>Drug Design, Development and Therapy</i> , vol.13, pp.2655-2665

Conference presentations delivered in 2019 and 2020			
<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
CF national conference August 2019	"To be or not to be on CFTR modulators during pregnancy: Risks to be considered"	Poster	Natalia Popowicz, Siobhan Mulrennan, Scott White, Sona Vekaria
SCGOPHCG research week 2019	"To be or not to be on CFTR modulators during pregnancy: Risks to be considered"	Poster	Natalia Popowicz, Siobhan Mulrennan, Scott White, Sona Vekaria
Society of Hospital Pharmacists Australia Medicines Management conference 2019	"ClinCAT for an interdisciplinary workforce; a framework for medication reconciliation post-discharge"	Poster	Deirdre Criddle, Lisa Riley, Nam-Anh Nguyen, Kylee Haywood Katie Lie, Carlyne Wood
Society of Hospital Pharmacists Australia Medicines Management conference 2019	"Open to interpretation: patients' understanding of prescription medication label directions. A qualitative study"	Poster	Andrew Campbell, Mario Atmaja, Aaron Chan, Madeleine King, Janesha Rangi, Natalia Popowicz, Kenneth Lee

Society of Hospital Pharmacists Australia Medicines Management conference 2019	"Nothing to sneeze at: recording of language factors in an outpatient allergy desensitisation patient cohort"	Poster	Andrew Campbell and Josephine Sparta
Oncology Nursing and Pharmacy Interest Group – Annual Seminar	"Immunotherapy Update"	Verbal presentation	Michael Cain
ANZCA Annual Society Meeting	"Retrospective single-centre analysis of levosimendan usage in ICU patients with cardiogenic shock"	Poster	Eileen Zhang, Brad Wibrow, Ry Martin, Jason Seet, Matt Anstey
Society of Hospital Pharmacists Australia Medicines Management conference 2019	"Pharmacists' role in identifying uncommon endocrinopathies associated with immune checkpoint inhibitors"	Poster	Niki Ferreira, Jason Seet, Sarah MacKenzie
Society of Hospital Pharmacists Australia Medicines Management conference 2019	"Antibiotic prophylaxis in cardiac implantable electronic device procedures in two Western Australian hospitals"	Poster	Monique Almonte, Taylor Huston, Sock Ling Yee, Roya Karimaei, Matthew Rawlins, Jason Seet, Zach Nizich, Duncan McLellan, Paul Stobie, Petra Czarniak, Leanne Chalmers
Society of Hospital Pharmacists Australia Medicines Management conference 2019	"Drug use evaluation of TNF-alpha antagonists for non-infectious uveitis at a Western Australian Tertiary Hospital"	Poster	Cale Padgett and Matthew Rooney

Grants/funding approved in 2019 and 2020

<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Administrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
SCGH Junior Clinical Researcher Grant	Open to interpretation: patients' understanding of prescription medication label directions. A qualitative study.	Andrew Campbell, Mario Atmaja, Aaron Chan, Madeleine King, Janesha Rangi, Natalia Popowicz, Kenneth Lee	Sir Charles Gairdner Hospital	\$2000	2019	2019

Contributions to the research community

Supervision of research students 2019 – Amy Lay, Sona Vekaria, Nam-Anh Nguyen, Katie Lie, Jasmine Beaman, Brenda Shum, Sarah MacKenzie
Supervision of research students 2020 – David Lui, Craig Pederick, Zach Nizich, Jason Seet
Clinical Drug Trials Committee member – Brenda Shum
Executive Officer – Clinical Drug Trials Committee role – Jennifer Berridge

Physiotherapy

Articles published in 2019 and 2020

Doyle S.K, Rippey JC, Jacques A, Rea AM., Kaiser BN, Miller SM and Anstey MH. Effect of personalised, mobile-accessible discharge instructions for patients leaving the emergency department: A randomised controlled trial. <i>Emergency Medicine Australasia</i> . 2020 doi:10.1111/1742-6723.13516
Tan BK, Khan RJ, Haebich SJ, Maor D, Blake EL, Bredahl WH. Piriformis-sparing minimally invasive versus the standard posterior approach for total hip arthroplasty: A 10-Year follow-up of a randomised control trial. <i>Journal of Arthroplasty</i> . 2019 Feb;34(2):319-326
Baker, B, Kessler, K, Kaiser B, Waller, R. Ingle, M, Brambilla, S, Viscardi, E, Richards K, O'Sullivan P, Goucke, R, Smith A, Yao F and Lin, I. Non-traumatic musculoskeletal pain in Western Australian hospital emergency departments: A clinical audit of the prevalence, management practices and evidence-to-practice gaps. <i>Emergency Medicine Australasia</i> . 2019. 31: 1037-1044. doi:10.1111/1742-6723.13305
Gaynor M, Sawyer A, Jenkins S & Wood J. Variable agreement between wearable heart rate monitors during exercise in cystic fibrosis. <i>ERJ Open Res</i> 2019; 5: 00006-2019 [https://doi.org/10.1183/23120541.00006-2019].
Lopez D, Cecins N, Cockram J, Collins A, Landers H, Sanfilippo F, Briffa T, Brims F, Geelhoed E, Murray K, Phillips K, Preen D, Jenkins S. Maintaining quality of life in patients with chronic obstructive pulmonary disease (COPD) by extending the maintenance phase of community-based pulmonary rehabilitation – protocol for a randomised controlled trial (ComEx3 Study). <i>BMJ Open Respiratory Research</i> (bmjresp-2019-000548.R1, accepted 10.2.2020)
Muruganandan S, Azzopardi, Thomas R, Fitzgerald DB, Kuok YJ, Cheah HM, Read CA, Budgeon CA, Eastwood P, Jenkins S, Singh B, Murray K, Lee YCG. The Pleural Effusion and Symptom Evaluation (PLEASE) study of breathlessness in patients with symptomatic pleural effusion. <i>European Respiratory Journal</i> (ERJ-00980-2019.R2, accepted 5.2.2020).
Hill K, Ng Cindy LG, Cecins N, Formico VR, Cavalheri V, Jenkins S. The effect of using a wheeled walker on physical activity and sedentary time in people with chronic obstructive pulmonary disease: a randomised cross-over trial. <i>Lung</i> 2020; 198: 213-219
Alison JA, McKeough ZJ, Leung RWM, Holland AE, Hill KI, Morris NR, Jenkins S, Spencer LM, Hill CJ, Lee AL, Seale H, Cecins N, McDonald CF. Exercise training in COPD with exercise induced desaturation does improve exercise capacity irrespective of whether supplemental oxygen or air is provided during training. <i>European Respiratory Journal</i> 2019; 54: 1901725 DOI: 10.1183/13993003.01725
Cavalheri V, Burtin C, Formico VR, Nonoyama ML, Jenkins S, Spruit MA, Hill K. Exercise training undertaken by people within 12 months of lung resection for non-small cell lung cancer. <i>Cochrane Database of Systematic Reviews</i> 2019, Issue 6. Art. No.: CD009955. DOI: 10.1002/14651858.CD009955.pub3
Ho JP, Alison JA, Cindy Ng LA, Wootton SL, McKeough ZJ, Jenkins SC et al. People with COPD who respond to ground-based walking training are characterised by lower pre-training exercise capacity, better lung function and show greater progression in walking training distance. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> 2019, 39: 338-343
Jenkins S. Field walking tests and functional tests for patients with cardiopulmonary disease. <i>The Japanese Association of Cardiac Rehabilitation</i> , 2019; 25: 1-4.
Hill K, Cindy Ng L, Wootton SL, McKeough PE, Hillman D, Jenkins C, Spencer L, Jenkins SC, Cecins NM, Alison JA. The minimal detectable difference for endurance shuttle walk test performance in people with COPD on completion of a program of high-intensity ground-based walking. <i>Respiratory Medicine</i> 2019; 146: 19-22
Wootton, S, Hill K, Alison JA, Li Whye Cindy Ng, Jenkins S, Eastwood PR, Hillman DR, Jenkins C, Spencer LM, Cecins N, McKeough AJ Effects of ongoing feedback during a 12-month maintenance walking program on daily physical activity in people with COPD. <i>Lung Apr</i> 2019: 1-5. DOI:10.1007/s00408-019-00216-5
Sawyer A, Cavalheri V, Hill K. Effects of high intensity interval training on exercise capacity in people with chronic pulmonary disease: a narrative review. <i>BMC Sports Sci Med Rehabil</i> . 2020;30(12):22. doi:10.1186/s13102-020-00167-y.
Sawyer A, Cavalheri V, Wood J, Hill K. Exercise testing and exercise training within cystic fibrosis centres across Australia and New Zealand: what is considered important and what is current practice? <i>Intern Med J</i> . 2019; [Epub ahead of print]. doi:10.1111/imj.14443.
Wood J, Jenkins S, Putrino D, Mulrennan S, Morey S, Cecins N, et al. A smartphone application for reporting symptoms in adults with cystic fibrosis improves the detection of exacerbations: Results of a randomised controlled trial. <i>J Cyst Fibros</i> . 2019;S1569-1993(19)30887-2.
Lian R, Cavalheri V, Wood J, Jenkins S, Straker LM, Hill K. Higher levels of education are associated with full-time work in adults with cystic fibrosis. <i>Respir Care</i> . 2019;64(9):1116-1122.

Ward N, Stiller K, Holland AE; Wood J, et al. Exercise is commonly used as a substitute for traditional airway clearance techniques by adults with cystic fibrosis in Australia: a survey. <i>Journal of Physiotherapy</i> . 2019 Jan;65(1):43-50.
Tampin B, Slater H, Jacques A, Lind C. Association of quantitative sensory testing parameters with clinical outcome in patients with lumbar radiculopathy undergoing microdiscectomy. <i>Eur J Pain</i> . 2020. doi:10.1002/ejp.1586
Tampin B, Schmid AB. Neurodynamik – Was wissen wir heute? <i>Manuelle Therapie</i> . 2020;24(1):9-14.
Tampin B. Nervenschmerz ≠ Nervenschmerz. <i>Manuelle Therapie</i> . 2020;24(01):21-7.
Tampin B, Broe RE, Seow LL, George SG, Tan J, Menon R, et al. Field testing of the revised neuropathic pain grading system in a cohort of patients with neck and upper limb pain. <i>Scandinavian Journal of Pain</i> . 2019;19(3):523-32.
Tampin B, Royle J, Bharat C, Trevenen M, Olsen L, Goucke R. Psychological factors can cause false pain classification on painDETECT. <i>Scandinavian Journal of Pain</i> . 2019;19(3):501-12.
Zhu GC, Böttger K, Slater H, Cook C, Tampin B, Schmid A. Concurrent validity of a low-cost and time-efficient clinical sensory test battery to evaluate sensory dysfunction. <i>Eur J Pain</i> . 2019;23(10):1826-38.
Briggs AM, Persaud JG, Deverell ML, Bunzli S, Tampin B, Sumi Y, et al. Integrated prevention and management of non-communicable diseases, including musculoskeletal health: a systematic policy analysis among OECD countries. <i>BMJ Global Health</i> . 2019;4(5):e001806.
Dennis D, Furness, A., Hall-Bibb D. and Mackintosh, S. (2020). Teaching physiotherapy students to provide feedback using simulation. <i>Journal of peer teaching</i> (in press)
Jacob, W., Diane, D., Jacques, A., Marsh, L., Woods P., and Hebden Todd, T. (2020) Ventilator hyperinflation determined by peak airway pressure delivered: A randomized crossover trial. <i>Nursing in Critical Care</i> ; 1-6. DOI: 10.1111/nicc.12498
Dennis, D., Parry, S., Miolin, P., Mercer, L., & Furness, A. (2019). An observational study of a simulation-based cross-discipline learning activity between theater arts and physical therapy students. <i>Simulation in Healthcare</i> , 14(4)251-257.
Dennis, D., Furness, A., Owens, J., Brosky, J., & Mackintosh, S. (2019). Using simulation to develop peer-teaching and peer-feedback. <i>Simulation in Healthcare</i> , In-press, IMSH Abstract.
Naweed, A., Dennis, D., Krynski, B., Crea, T., Knott, C. (2020) Delivering Simulation Activities Safely: What if We Hurt Ourselves? <i>Simulation in Healthcare</i> (in press)
Dennis, D., Furness, A., Owens, J., Brosky, J., & Mackintosh, S. (2020) Can student-peers teach using simulation-based learning as well as faculty: A non-equivalent posttest-only study. <i>Nurse Education Today</i> 91, August 2020, 104470 https://doi.org/10.1016/j.nedt.2020.104470
Khong, L. A. M., Buckley, A., Johnson, W., & Cavalheri, V. (2019). Lower limb chronic edema management program: Perspectives of disengaged patients on challenges, enablers and barriers to program attendance and adherence. <i>PLoS One</i> , 14(11), e0219875. http://dx.doi.org/10.1371/journal.pone.0219875

Conference presentations delivered in 2019 and 2020			
<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
9th International Lymphoedema Framework Conference, Chicago, USA 2019	Multifactorial challenges to engagement in lymphoedema management: Disengaged patients' perspectives from a metropolitan hospital outpatient clinic in Australia.	Oral Presentation	Khong, L., Buckley, A., Johnson, W., Cavalheri, V.
9th International Lymphoedema Framework Conference, Chicago, USA, 2019	International Lymphoedema Framework: Chronic Oedema Outcome Measures. Reporting of survey findings from Australia.	Poster	Khong, L., Buckley, G., James, S
This is Long Term Care 2019 Conference, Toronto, Canada.	A peer-led model in a novel falls prevention education program for community-dwelling seniors: Perth Australia together with Detroit Michigan, USA.	Oral Presentation	Mendez, J., Riddle-Jones, L., Hill, A-M., Khong, L.

13th Australasian Cystic Fibrosis Conference 5 August 2019	Variable accuracy of wearable heart rate monitors during exercise in adults with cystic fibrosis	Poster	Gaynor M, Sawyer A, Jenkins S & Wood J.
13th Australasia Cystic Fibrosis Conference 5 August 2019	Transitioning to adult physiotherapy services.	Poster	Gaynor M, Nathalie McGowan, Crystal Bourke, Wood J, Julie Depiazzi.
Thoracic Society of Australia and New Zealand – Annual Scientific Meeting, 2020. Cancelled due to COVID-19.	A review of the effects of high-intensity interval-based training on exercise capacity in adults with a chronic respiratory condition: where are we now and what is next?	Poster	Sawyer A, Cavalheri V, Hill K.
American Thoracic Society Annual Scientific Meeting, 2020. Cancelled due to COVID-19.	Low-volume high intensity interval training improves exercise endurance capacity and is well tolerated in people with cystic fibrosis: a randomised controlled trial.	Poster	Sawyer A, Cavalheri V, Jenkins S, Wood J, Cecins N, Singh B, Hill K.
Thoracic Society of Australia and New Zealand – Annual Scientific Meeting, 2020. Cancelled due to COVID-19.	Low-volume high intensity interval training improves exercise endurance capacity and is well tolerated in people with cystic fibrosis: a randomised controlled trial.	Oral	Sawyer A, Cavalheri V, Jenkins S, Wood J, Cecins N, Singh B, Hill K.
Proceedings of Research Week at Sir Charles Gairdner Hospital, 2019. p.1.	Exercise testing and training practices in Australian and New Zealand CF centres.	Poster	Sawyer A, Cavalheri V, Wood J, Hill K.
Program Booklet of the Australasian Cystic Fibrosis Conference, 2019 (EP115) and Proceedings of Research Week at Sir Charles Gairdner Hospital, 2019. p.1.	“Short and sweet... I really enjoyed it!” Tolerance and experiences of a high intensity interval training program in people with cystic fibrosis.	Poster	Sawyer A, Cavalheri V, Hill K, Jenkins S, Wood W, Cecins N, Singh B, Gucciardi D.
Program Booklet of the Thoracic Society of Australia and New Zealand – Annual Scientific Meeting, 2019. p.76 (Abstract Number TP065).	Adults with cystic fibrosis display similar cardiorespiratory and symptomatic responses during maximal ramp and constant work rate cycle ergometry tests.	Poster	Sawyer A, Cavalheri V, Jenkins S, Wood J, Cecins N, Singh B, Hill K.
Program Booklet of the Thoracic Society of Australia and New Zealand – Annual Scientific Meeting, 2019. p.76 (Abstract Number TP066).	Heart rate recovery following maximal and submaximal exercise is impaired in adults with cystic fibrosis.	Poster	Sawyer A, Cavalheri V, Jenkins S, Wood J, Cecins N, Singh B, Hill K
Australasian Cystic Fibrosis Conference, 2019 (O116).	Exercise testing and training practices in Australian and New Zealand CF centres.	Oral	Sawyer A, Cavalheri V, Wood J, Hill K.
Thoracic Society of Australia & New Zealand and the Australian Annual Scientific Meeting 2019	A smartphone application for reporting symptoms in adults with cystic fibrosis improves the detection of respiratory exacerbations	Oral	Wood J, Jenkins S, Putrino D, Mulrennan S, Morey S, Cecins N, Hill K.
Australasian Cystic Fibrosis Conference 2019	Exercise can be used as airway clearance: pro-con debate	Invited oral	N/A
Australian Society for Performing Arts Healthcare Conference 2019	Sensory characteristics in young string musicians with playing-related musculoskeletal problems – a feasibility study	Oral presentation	Ranelli S, Hesse I, Tampin, B

Forschungssymposium Physiotherapie 2019, Germany	Kurz-und Langzeitreliabilität der englischen Version des DN4-Fragebogens – ein Screening Tool für neuropathische Schmerzen	Poster	Bergau S-A, Hardt S, Jacques A, Tampin, B
Deutscher Schmerzkongress 2019, Mannheim, Germany	Kurz-und Langzeitreliabilität des deutschen DN4-Fragebogens – ein Screening Tool für neuropathische Schmerzen	Poster	Gehske H, Simader T, Kapitza C, Licht G, Lauer-Riffard S, Halcour A, Leistler M, Westermann A, Kaiseler M, Tampin B.
11th Congress of the European Pain Federation EFIC, 2019, Valencia, Spain	Workshop: “Radicular pain – an update on clinical presentation, classification and multiprofessional management of complex condition”, Session coordinator, chair and presenter Presentation: Differing somatosensory profiles of patients with radicular pain	Oral presentation	Tampin, B
11th Congress of the European Pain Federation EFIC, 2019, Valencia, Spain	Virtual Reality as part of a multimodal therapy for inpatient chronic low back pain patients	Poster	Birmes B., Pahlman M, Gutman, Scholte M, Ludwig E, Kinast B, Holtman N., Schueler T., Cabrita M, Tabak M, Heuven R, Tampin B
11th Congress of the European Pain Federation EFIC, 2019, Valencia, Spain	Quantitative sensory testing profiles of patients with lumbar radiculopathy – Do they assist in predicting clinical outcome after surgery?	Poster	Tampin B, Slater H, Jacques A, Lind C
7th International Congress on Neuropathic Pain, London, UK.	Concurrent validity of a low-cost and time-efficient clinical sensory test battery to evaluate sensory dysfunction	Poster	Zhu, G-C., Böttger, K., Slater, H., Cook, C., Tampin, B., Schmid, A.
7th International Congress on Neuropathic Pain, London, UK.	Relationship of QST measures between low back and leg sites in people with radicular leg pain	Poster	Ridehalgh, C., Tampin, B., Schmid, A.
7th International Congress on Neuropathic Pain, London, UK.	Somatosensory profiles in patients with non-specific neck-arm pain with and without positive neurodynamic tests	Poster	Böttger, K., Tampin, B., Ballenberger, N., Landmann, G., Stockinger, L., Schmid, A.
Australasian Simulation Congress 2019	Escape Room: exploring team dynamics	Masterclass	Dennis D and Heveldt K
Australasian Simulation Congress 2019	Train the trainer: involving students in developing characters for simulation-based learning	Oral	Dennis D
Australasian Simulation Congress 2019	Safe container, Safer contents Stochastic Enhanced Event-based Simulation (SEES)	Workshop	Costa S, Dennis D and Argall N
International Offshore Simulation Conference	The human dimension of simulation-based activities	Oral	Dennis D
International Meeting Simulation in Healthcare, 2019	Using simulation to develop peer-teaching and peer-feedback	Poster	Dennis D., Furness, A., Owens, J., Brosky, J., & Mackintosh, S.
International Network for Simulation-based Paediatric Innovation, Research and Education, 2019	Lessons learned following episodes of ICU crisis: what experienced Intensivists can teach their peers	Oral	Dennis D; Knott C; Khanna R; van Heerden PV

WA Stroke Symposium – October 2019	Assessment for Rehabilitation Audit	Oral	Sweeney, B and Eleni Bacopanos
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Grants/funding approved in 2019 and 2020						
Funding body and grant type	Project title	CIs and PIs	Administrating organisation	Total Amount	Start year	Finish year
Research Translation Project	Alone we can do so little; together we can do so much - optimising access to pulmonary rehabilitation in Perth	PIs: Dr K. Hill, Dr V Cavalheri, Dr D Gucciardi, Dr R Norman AIs: N Cecins, C Watson, P Winship	Curtin University	\$250,000	2020	2022
Allied Health Intervention Grant	Process evaluation of the ComEx3 study	Dr D Lopez, Dr Barbara Nattabi, Dr S Jenkins	UWA	\$25,000	2020	2020
Cystic Fibrosis WA PhD Top Up Scholarship 2019	The MetaNeb® System in adults with cystic fibrosis: investigating its effects during periods of clinical stability and disease exacerbation.	Naomi Chapman, A/Professor Kylie Hill, Dr Vin Cavalheri, Prof Graham Hall, Mr Jamie Wood, Dr Anna Tai, Dr Siobhan Mulrennan	Curtin University	\$12,000 each year for 3 years	2020	2022

Staff with an adjunct appointment	
Institution	Number of staff
University of Notre Dame Australia	1 (Linda Khong, PhD. Adjunct Research Fellow since 2017)

Contributions to the research community
Linda Khong - Invited guest to present via Telehealth to the Queensland Network of Therapists. To share the findings on the International Lymphoedema Framework's Chronic Oedema Outcome Measures project. 14 Oct 2019.
Linda Khong - Invited guest by Australian Physiotherapy Association and co-author of an article in the monthly publication for all local and overseas members, titled "Lymphoedema: Potential for Change". March 2020.

Successes
Linda Khong - Newly awarded APA-Titled Cancer and Lymphoedema Physiotherapist (effective 12 Nov 2019)

Podiatry

Articles published in 2019 and 2020
Zhang Y, van Netten J, Baba M, Cheng Q, Pacella R, McPhail S, Cramb S, Lazzarini P. Diabetes-related foot disease in Australia: a systematic review of the prevalence and incidence of risk factors, disease and amputation in Australian populations. Journal of Foot and Ankle Research (submitted – waiting on outcome, not yet published).
Manning L, Hamilton E, Raby E, Norman P, Davis W, Wood F, Carville K, Baba M, Hiew J, Ryan E, Ferreira I, Gittings P, Ritter C. Spray on skin for diabetic foot ulcers: an open label randomized controlled trial. Journal of Foot and Ankle Research. 12, 52 (2019). https://doi.org/10.1186/s13047-019-0362-x

Pulmonary Physiology & Sleep Medicine

Articles published in 2019 and 2020

T Huseini, S Dhillon, CL Lu, N McArdle, I Ling, S Dhaliwal, C Kosky. Relationship between obstructive sleep apnoea, other cardiovascular risk factors and cardiovascular disease. <i>Journal of Sleep Research</i> . 2020; 28 (S1).
Isaac A, Noffsinger W, Kosky C, Singh B. Light exercise during a Hypoxic Challenge Test alters recommendations for air travel <i>European Respiratory Journal</i> . 2019; 54 (suppl 63).
Ou Q, Chen B, Loffler KA, Luo Y, Zhang X, Chen R, Wang Q, Drager LF, Lorenzi-Filho G, Hlavac, M, McArdle N, Mukherjee S, Mediano O, Barbe F, Anderson CS, McEvoy RD, Woodman, RJ. 2019. The Effects of Long-term CPAP on Weight Change in Patients with Comorbid OSA and Cardiovascular Disease: Data from the SAVE Trial; 2019. 155(4) 720-29. 2
Sutherland K, Keenan BT, Bittencourt L, Chen NH, Gislason T, .Leinwand S, Magalang UJ, Maislin G, Mazzotti DR, McArdle N, Mindel J, .Pack AI, Penzel T, Singh B, Tufik S, Schwab RJ, Cistulli, PA. A Global Comparison of Anatomic Risk Factors and Their Relationship to Obstructive Sleep Apnea Severity in Clinical Samples. <i>Journal of Clinical Sleep Medicine</i> . 2019; 15 (4) 629-39.
Zheng D, Xu Y, You S, Hackett ML, Woodman RJ, Li Q, Woodward M, Loffler KA, Rodgers A, Drager LF, Lorenzi-Filho, G. Wang X, Quan WW, Tripathi M, Mediano O, Ou Q, Chen R, Liu Z, Zhang X, Luo Y, McArdle N, Mukherjee S, McEvoy RD, Anderson, C. S. Effects of continuous positive airway pressure on depression and anxiety symptoms in patients with obstructive sleep apnoea: results from the sleep apnoea cardiovascular endpoint randomised trial and meta-analysis. <i>EClinical Medicine</i> . 2019; 11 89-96
Holfinger SJ, Lyons MM, Mindel JW, Cistulli PA, Sutherland K, Chen NH, McArdle N, Gislason T, Penzel T, Han F, Li QY, Mazzotti DR, Keenan BT, Pack AI, Magalang UJ. Diagnostic performance of symptomless obstructive sleep apnea prediction tools in clinical and community-based samples. 2019; <i>Sleep</i> . 42 (Supp 1) A184-85
Eastwood, P., Gilani, S. Z., McArdle, N., Hillman, D., Walsh, J., Maddison, K, Mian, A. 2020. Predicting sleep apnea from 3-dimensional face photography. <i>J Clin Sleep Med</i> . NMHS Annual Report 2020 – Research Contribution
Huseini, T., McArdle, N., Jasper, E., Kurmagadda, S., Douglas, J., King, S., Singh, B. 2020. The use and effectiveness of adaptive servo ventilation in central sleep apnea: a study of consecutive sleep clinic patients. <i>J Sleep Res</i> , e13016
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Cairncross, A Jones RL, Elliot JG, McFawn PK, James, AL Noble PB. Airway narrowing and response to simulated deep inspiration in bronchial segments from subjects with fixed airflow obstruction. J Appl Physiol:2020; In Press
Miller M, Rosenthal P, Weng N, Pham A, Hura GY, Elliot J, Green FHY, James A, Broide DH. Chromosome 17q21 SNP rs8076131 risk allele associates with airway smooth muscle hypertrophy in fatal asthma. Clin Exp Allergy 2020 In Press

Conference presentations delivered in 2019 and 2020			
<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
Upper Airway Symposium 2019	Which CPAP side effects are associated with CPAP non-acceptance?	Oral	C Kosky
TSANZ WA ASM 2019	Acute non-invasive ventilation at Sir Charles Gairdner Hospital-are venous blood gases saving lives?	Poster	P Brownell, Fraser Brims, Chris Kosky
Upper Airways conference 2020	A Remote model of care for the initiation of CPAP in patients living in rural Western Australia.	Oral	C Kosky, N Madeira, K Boulton, MT Hunter, I Ling, A Reynor , G Sturdy, J Walsh, B Singh, P Eastwood, N McArdle
GSK COPD Workshop 2019	Early origins of COPD	Oral	Alan James
ATS Annual Scientific Meeting, Dallas 2019	COPD: Phenotypes, Mechanisms and Treatment	Poster Session -Invited Chair	Alan James
ERS International Congress Madrid 2019	Light exercise during a Hypoxic Challenge Test alters recommendations for air travel	Poster	A Isaac, W Noffsinger, C Kosky, B Singh
Upper Airway Symposium, Perth, Western Australia, 2019	Changing trends in diagnosis of OSA at a public sleep clinic in WA (1989-2014)		N McArdle, B Singh
WA TSANZ Annual Scientific meeting July 2019,	OSA, cardiovascular disease and the Western Australian Vascular Endpoints in Sleep Apnea Study (WAVES)		N McArdle, B Singh
Upper Airway Symposium, Perth, Feb 2019	Long term trajectories of sleep in the Raine Study'	Oral	N McArdle
Sleep Apnea Global Interdisciplinary Consortium; 7th Annual Workshop, Vancouver Sept 2019.	Update on SAGIC questionnaire	Oral	N McArdle, B Singh
Thoracic Society of Australia & New Zealand: Annual Scientific Meeting, Gold Coast, March 2019	Heart rate recovery following incremental-ramp and constant work-rate exercise is impaired in adults with cystic fibrosis.	Poster	Sawyer A, Cavalheri V, Jenkins S, Wood J, Cecins N, Singh B, Hill K.
Upper Airway Symposium. Perth Western Australia. February 2019	Oral/nasal flow partitioning.	Oral	Maddison K, Walsh J, Pantin C, Lim Am Baker V, Szollosi I, McArdle N, Hillman D, Eastwood P.
Thoracic Society of Australia & New Zealand: Annual Scientific Meeting, Gold Coast, March 2019	Pleural Effusion and Symptom Evaluation (PLEASE)-2 Study: Quantifying diaphragmatic function using ultrasound.	Oral	Muruganandan S, Fitzgerald D, Eastwood P, Jenkins S, Lee YC, Singh B.

Proceeds of Australasian Sleep Association annual scientific meeting October 2019, Sydney	Age-related differences in association of OSA with cancer incidence in a large sleep clinic cohort.	Poster	Singh B, Marriot R, McArdle N, Ling I, Mukherjee S, Palmer L, Hillman D, Cadby G.
Proceeds of Australasian Sleep Association annual scientific meeting October 2019, Sydney.	Relationship between obstructive sleep apnoea, other cardiovascular risk factors and cardiovascular disease.	Oral	Huseini T, Dhillon S, Lu CL, McArdle N, Ling S, Dhaliwal S, Kosky C, Hillman DR, Mukherjee S, Palmer L, Singh B.
Thoracic Society of Australia & New Zealand: Annual Scientific Meeting, Gold Coast, March 2019	Breathing under pressure: Respiratory dysfunction in neuromuscular disease	Oral	Singh B.
ERS Congress 2020 (accepted)	Adult Bronchiectasis in the Northern Territory of Australia: The Aboriginal and Non-aboriginal comparative study	Virtual Congress	Mehra S, Campbell S, Chor Lam, Subash Heraganahally
Upper Airway Symposium. Perth Western Australia. February 2019	Upper airway collapsibility as a predictor of post-operative adverse respiratory events.	Oral	Walsh J,
Upper Airway Symposium. Perth Western Australia. February 2019	Sleep apnoea and pregnancy and foetal outcomes.	Oral	Redhead K
Upper Airway Symposium. Perth Western Australia. February 2019	NHMRC and funding for sleep research.	Oral	Eastwood P
February 2020	Measuring upper airway collapsibility during anaesthesia in children and adults.	Oral	Walsh J, Jivan K, Paul K, Robey E, Maddison K, Lawther B, Currigan B, Hillman D, Salerno S, Sommerfield D, Bumbak P, Herbert H, Von Ungern-Sternberg B, Eastwood P.
Upper Airway Symposium. Perth Western Australia. February 2019	CPAP, sham CPAP and blood pressure.		Sansom K,
Upper Airway Symposium. Perth Western Australia. February 2019	Cost effectiveness of CPAP for OSA	Oral	Hillman D
Australasian Sleep Association. Sydney, NSW October 14-19, 2019	Presentations entitled: (1) Politicians, parliament and poor sleep (2) Global Prevalence of Sleep Apnoea (3) Hypoglossal Nerve Stimulation.	Poster	Eastwood P
Australasian Sleep Association. Sydney, NSW October 14-19, 2019	Can upper airway collapsibility predict post-operative adverse respiratory events in adults?	Poster	Walsh J, Jivan K, Robey E, Maddison K, Lawther B, Hillman D, Eastwood P.
Australasian Sleep Association. Sydney, NSW October 14-19, 2019	Ambulatory screening for sleep disordered breathing in patients with resistant hypertension.	Poster	Sansom K, Al-Obaidi ZA, Chan J, Gregory C, Nolde J, Baker V, Walsh J, Maddison K, Joyson A, McArdle N, Schlaich M, Eastwood P
Upper Airway Symposium. February 2020.	Route of Breathing.	Oral	Maddison K, Walsh J, Pantin C, Lim Am Baker

			V, Szollosi I, McArdle N, Hillman D, Eastwood P
World Sleep Conference. Vancouver, Canada, September 13-14, 2019	Bilateral Hypoglossal Nerve Stimulation for treatment of obstructive sleep apnea.	Oral	Eastwood P
Oxford University. UK. 9-10 October, 2019	Research and Clinical Trials at the University of Western Australia and Sir Charles Gairdner Hospital.		Eastwood P
World Congress of Sleep Medicine, Vancouver September 23 2019	Sleep in the Hospitalized Patient: An Under-Appreciated Influence on Recovery	Oral	Hillman D
World Congress of Sleep Medicine, Vancouver September 23 2019	Anesthetic considerations for patients with narcolepsy and idiopathic hypersomnia	Oral	Hillman D
Australasian Sleep Association, Sydney, 17 October 2019	Sleep loss in the hospitalized patient and its influence on recovery	Oral	Hillman

Grants/funding approved in 2019 and 2020						
<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Administrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
SCGOPHCG RAC & Charlies Foundation for Research	Application of an ex-vivo hydrogel model to assess and reverse airway smooth muscle cell stiffness in COPD	James A; Wang KCW, Choi YS, Cairncross A.	UWA	\$30,000	2019	2020
NHMRC – Project Grant	Phenotypes of airway disease in the general population	James AL, Musk A, Knuiman M, Hui J, Mulrennan S, Tobin C	UWA	\$1,350,471	2019	2023
University of Newcastle Seed Grant		PI - James A		\$20,000	2019	2020
Dept Health Federal Grant	Busselton Baby Boomers	PI - James A		\$1,500,000	2019	2021
NHMRC		PI – Kosky C	Concord Hospital			
NHMRC Discretionary Travel Grant	Light exercise during a Hypoxic Challenge Test alters recommendations for air travel.	PI – Isaac A, Noffsinger W; Kosky C, Singh, B.	NMHS	\$2,890	2019	2019
Raine Clinician Fellowship		PI – Nigel McArdle		\$156,574	2019	2021
Medical and Health Research Infrastructure Fund (W.A.) Round 22		Eastwood, Peter		\$37,014	2019	
Alzheimer’s Association		RaineySmith S, Martins R, Eastwood P, Ree		\$220,000	2019	2021

Research Grant (USA)		M, Bucks R, Villemagne V, Weinborn M, Doecke J, Brown B.				
Philips		Hillman DR, Singh B, McArdle NM, Cadby G,,Eastwood PR		\$114,158	2019	
Sir Charles Gairdner and Osborne Park Health Care Group Research Advisory Committee (RAC2019-20/007)	Increased adipose tissue within the airway wall and its relation to lung function	John Elliot, Peter Noble, Alan James, Alvenia Cairncross.		\$30,000	2019	2020
Sir Charles Gairdner and Osborne Park Health Care Group Research Advisory Committee (RAC2019-20/007)	The relationship between adipose tissue and airway inflammation in asthma	John Elliot, Peter Noble, Kimberly Wang, Alan James.		\$30,000	2019	2020

Staff with an adjunct appointment

<i>Institution</i>	<i>Number of staff</i>
UWA	4 - Dr Alan James – Adjunct Clinical Professor Dr Bhajan Singh – Clinical Professor John Elliot – Senior Research Fellow Dr Chris Kosky Honorary Senior Lecturer
Notre Dame	1 - Dr Alan James – Associate Professor

Contributions to the research community

Dr Alan James is the chair of Busselton Population Medical Research Institute
Dr Alan James is Chair, Steering Committee – Busselton Healthy Ageing Study
Dr Chris Kosky is the PI at the Institute for Respiratory Health (Harry Perkins) and UWA (on an NHMRC Project grant APP1163143, 5 years. Title: Preventing Adverse Cardiac Events (PACE) in COPD. Administering organisation is the George Institute in NSW. CI is Prof Christine Jenkins
Dr Bhajan Singh is the Director of the West Australian Sleep Disorders Research Institute
Drs Bhajan Singh & Nigel McArdle are PIs of the NHMRC-funded West Australian CardioVascular Events in obstructive Sleep apnoea (WAVES) study.
Drs Bhajan Singh & Nigel McArdle are active members of the Sleep Apnea Global Interdisciplinary Consortium.

Successes

Dr Alan James was awarded the Thoracic Society of Australia and New Zealand Research Medal in 2020

Radiation Oncology

Articles published in 2019 and 2020

Keam S, Gill S, Ebert MA, Nowak AK, Cook A (2020) Enhancing the efficacy of immunotherapy using radiotherapy, Clin Transl Immunol, in press 02/08/2020
Her EJ, Haworth A, Rowshan Farzad P, Ebert MA (2020) Progress towards patient-specific, spatially-continuous radiobiological dose prescription and planning in prostate cancer IMRT: An overview, Cancers 12(4) E854, https://doi.org/10.3390/cancers12040854
Her EJ, Haworth A, Kennedy A, Reynolds HM, Sun Y, Williams S, Ebert MA (2020) Standard versus hypofractionated intensity-modulated radiotherapy for prostate cancer: assessing the impact on dose modulation and normal tissue effects when using patient-specific cancer biology, Phys Med Biol, in press 11/5/20
Her EJ, Haworth A, Reynolds HM, Sun Y, Kennedy A, Panettieri V, Bangert M, Williams S, Ebert MA (2020) Voxel-level biological optimisation of prostate IMRT using patient-specific tumour location and clonogen density derived from mpMRI, Radiat Oncol, 15: 172, https://doi.org/10.1186/s13014-020-01568-6
Mir R, Kelly SM, Xiao Y, Moore A, Clark CH, Clementel E, Corning C, Ebert MA, Hoskin P, Hurkmans C, Ishikura S, Kristensen I, Kry SF, Lehmann J, Michalski JM, Monti AF, Nakamura M, Thompson K, Yang H, Zubizarreta E, Andratschke N, Miles E (2020) Organ at risk delineation for clinical trials: A Global Harmonization Group consensus guideline, Radioth Oncol, 150: 30-39, https://doi.org/10.1016/j.radonc.2020.05.038
Marcello M, Denham JW, Kennedy A, Haworth A, Steigler A, Greer PB, Holloway LC, Dowling JA, Jameson MG, Roach D, Joseph DJ, Gulliford SL, Dearnaley DP, Sydes MR, Hall E, Ebert MA (2020) Relationships between rectal and perirectal doses and rectal bleeding or tenesmus in pooled voxel-wise analysis of 3 randomised phase 3 trials, Radioth Oncol, in press, 30/7/2020
Marcello M, Denham JW, Kennedy A, Haworth A, Steigler A, Greer PB, Holloway LC, Dowling JA, Jameson MG, Roach D, Joseph DJ, Gulliford SL, Dearnaley DP, Sydes MR, Hall E, Ebert MA (2020) Increased dose to organs in urinary tract associates with measures of genitourinary toxicity in pooled voxel-based analysis of 3 randomized Phase III trials, Front Oncol, 10: 1174, https://doi.org/10.3389/fonc.2020.01174
Mylona E, Ebert MA, Kennedy A, Joseph DJ, Denham JW, Steigler A, Supiot S, Acosta O, de Crevoisier R (2020) Rectal and Urethro-Vesical Subregions for Toxicity Prediction After Prostate Cancer Radiotherapy: validation of voxel-based models in an independent population, Int J Radiat Oncol Biol Phys, in press 8/7/2020
Panettieri V, Rancati T, Onjukka E, Ebert MA, Joseph DJ, Denham JW, Steigler A, Millar JL (2020) External validation of a predictive model of urethral strictures for prostate patients treated with HDR brachytherapy boost, Frontiers in Oncology, 10: 910, https://doi.org/10.3389/fonc.2020.00910
Marcello M, Denham JW, Kennedy A, Haworth A, Steigler A, Greer PB, Holloway LC, Dowling JA, Jameson MG, Roach D, Joseph DJ, Gulliford SL, Dearnaley DP, Sydes MR, Hall E, Ebert MA (2020) Reduced dose posterior to prostate predicts for increased treatment failure in pooled voxel-wise analysis of 3 randomised phase 3 trials, Int J Radiat Oncol Biol Phys, in press 20/7/2020
Buchegger N, Grogan G, Hug B, Oliver C, Ebert MA (2020) CyberKnife reference dosimetry: An assessment of the impact of evolving recommendations on correction factors and measured dose, Med Phys, 47(8): 3573-3585, https://doi.org/10.1002/mp.14190

Conference presentations delivered in 2019 and 2020

Conference name	Presentation title	Type of presentation	Authors
ASTRO (American Society for Radiation Oncology), USA	Development and external validation of a predictive model of urethra toxicity for patients treated with HDR brachytherapy boost including the effect of neo-adjuvant androgen deprivation	Oral	Panettieri V, Rancati T, Onjukka E, Smith RL, Ebert MA, Joseph DJ, Denham JW, Steigler A, Millar JL

Engineering and Physical Sciences in Medicine, Perth WA	Assessment of a new PTW microSilicon detector for use in a CyberKnife beam	Oral	Hug B, Ebert MA
Engineering and Physical Sciences in Medicine, Perth WA	Distance-to-Agreement vector mappings of contouring quality amongst three international prostate datasets: Correlations between contouring quality and recorded patient toxicity	Oral	Roach D, Dowling J, Kennedy A, Jameson M, Greer P, Ebert MA, Holloway LC
Engineering and Physical Sciences in Medicine, Perth WA	Assessment of HDR-like prostate planning	Oral	Ebert MA, de Chavez R, Grogan G, Lane J, Hug B, Howe K, Glyde A, Brown E, Grigg A, Bydder S, Pryor D, Hargrave C, Charles PH
Engineering and Physical Sciences in Medicine, Perth WA	Reference dosimetry at the CyberKnife: Impact of various recommendations on correction factors and measured dose	Oral	Buchegger N, Grogan G, Hug B, Oliver C, Ebert MA
Engineering and Physical Sciences in Medicine, Perth WA	Robust biological treatment planning of prostate IMRT: personalised plans based on voxel-level tumour biology maps derived from multiparametric MRI	Oral	Her EJ, Haworth A, Reynolds H, Sun Y, Kennedy A, Panettieri V, Bangert M, Williams S, Ebert MA
Engineering and Physical Sciences in Medicine, Perth WA	Dosimetric comparison of proton therapy and CyberKnife in stereotactic ablative radiotherapy treatment for liver	Oral	Shyllon S, Ebert MA, Rowshanfarzad P
Engineering and Physical Sciences in Medicine, Perth WA	Anatomically-localised association of planned dose and gastrointestinal toxicity outcomes in prostate radiotherapy: results from the TROG 03.04 RADAR trial with subsequent external validation	Oral	Marcello M, Kennedy A, Rowshanfarzad P, Haworth A, Steigler A, Greer PB, Holloway LC, Dowling JA, Joseph DJ, Denham JW, Gulliford SL, Dearnaley D, Sydes MR, Hall E, Ebert MA
Engineering and Physical Sciences in Medicine, Perth WA	Post-surgical pre-radiotherapy glioma imaging with FET PET: uptake stability on test-retest	Oral	Ferjančič P, Ebert MA, Francis R, Nowak A, Jeraj R
American Association of Physicists in Medicine, San Antonio USA	External validation of 3D spatial dose-response mapping for toxicity subsequent to pelvic radiotherapy	Poster	Marcello M, Kennedy A, Haworth A, Holloway LC, Dowling JA, Greer PB, Gulliford SL, Dearnaley DP, Sydes MR, Hall E, Denham JW, Ebert MA
American Association of Physicists in Medicine, San Antonio USA	Automated Assessment of 68Ga-PSMA PET/CT Images of Metastatic Prostate Cancer Using Quantitative Total Bone Imaging	Oral	Perk T, Liu G, Francis R, Ebert MA, Jeraj R
American Association of Physicists in Medicine, San Antonio USA	Test-retest repeatability of 18F-FET PET in small volumes	Oral	Ferjančič P, Ebert MA, Francis R, Jeraj R
20th Asia-Pacific Prostate Cancer Conference 2019	CyberKnife Robotic Radiotherapy for Localised Prostate Cancer	Oral	Bhalla T, Bydder S, Dass J, Nguen P, Arneric E, Gill S
Trans Tasman Radiation Oncology Group (TROG)	Intra-operative Radiotherapy for Breast Cancer in Western Australia	Poster	Tammy C, Joseph D, Saunders C, Taylor M, Bulsara M, Nowak A

Annual Scientific Meeting, 12 – 15 March 2019, Melbourne			
Trans Tasman Radiation Oncology Group (TROG) Annual Scientific Meeting, 16 - 19 March 2020, Sydney	Piloting a web-based electronic Patient Reported Outcome (ePRO) Portal for patients receiving CyberKnife radiotherapy	Poster	Busch G, Baldacchino F, Arneric E, Yahya A, Kernutt E, Haworth C, Corica C, White R, Taylor M, Dass J, Gill S, Harper C, Tang C, Bydder S
Abnominal Radiology Group Australia and New Zealand Meeting, Brisbane, March 2020	Do Fiducials Used for Liver Stereotactic Body Radiotherapy Cause Liver Seeding?	Poster	Xiao P, Armstrong K, Arneric E, Xiao J, Brown A, Tang C
Annual Meeting on Supportive Care in Cancer, 2020	Burnout Or Fade Away; Experiences Of Health Professionals Caring For Patients With Head And Neck Cancer.	Poster	Gibson C, O'Connor M, White R, Baxi S, Halkett G

Grants/funding approved in 2019 and 2020						
<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Administrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
SCGH RAC grants	Clinical implementation of 3D printed Brachytherapy surface-applicators for high dose rate Brachytherapy in Radiation Oncology	MA Ebert, J Dass, P Rowshanfarzad, R White, S Gill, R Toh, G Mukwada, Z Alkhatib, A Kennedy	Sir Charles Gairdner Hospital	\$29,499	2019	2021
Australian Research Data Commons (ARDC) - Platforms Call	An Australian Imaging Service: Melding the Clinical and Academic using a Distributed Federation of Enhanced XNATs	F Calamante, M Bellgard, D Abramson, N Ward, T Close, L Betbeder-Matibet, C Rae, S Ross, P Snowman, J Nairnsey, A Mehnert, M Ebert, R Lewis, G Galloway	University of Western Australia	\$1,804,000	2020	2022
WA Health - Research Translation Projects R13	Molecular imaging for precision medicine: efficiency gains via automated annotation	R Francis, R Jeraj, T Hung, C Tang, S Bydder, T Perk, C Schultz, J Bellinge, R Moorin, M McCarthy, A Campbell, C Kasisi	University of Western Australia	\$242,667	2020	2021
Cancer Council WA – Project Grants	Harnessing the immune system to enhance radiation therapy and improve survival outcomes for children with brain cancer	N Gottardo, M Howlett, R Endersby, M Ebert, J Whitehouse	Telethon Kids Institute	\$196,770	2020	2021

Contributions o the Research Community
Martin Ebert

Supervision of research students, UWA (Phd – 6; MSc – 9; MBBS – 1); UNSW (PhD – 1)

Chair, Secondary Data Analysis Committee, Trans-Tasman Radiation Oncology Group

Board Member, Better Healthcare Technologies Foundation

Member, Steering Committee, National Imaging Facility human PET/CT and MRI research facilities for Western Australia

Co-founder, Networks of Imaging Excellence Alliance (<https://nix-alliance.org>)

Director, SWAN Project (<https://sites.google.com/view/swan-project/home>)

Member, American Association of Physicists in Medicine (AAPM) working groups

- Small Animal Irradiation Devices
- Future Research and Academic Medical Physics
- Clinical Trials
- Intensity Modulated and Anisotropic Brachytherapy

Member, Western Australian Clinical Oncology Group (WACOG) Reference Group

Member, ACPSEM Particle Therapy Working Group (PTWG)

Referee for scientific journals:

- Physics in Medicine and Biology (International Advisory Board Member)
- Medical Physics (Associate Editor)
- Radiation Oncology
- Radiotherapy and Oncology
- International Journal of Radiation Oncology, Biology, Physics
- Physical and Engineering Sciences in Medicine
- Journal of Applied Clinical Medical Physics
- Medical Dosimetry
- PLoS ONE
- Nature Scientific Reports
- Physica Medica
- British Journal of Radiology

Aylin Yahya - Is a member of a Human Research Ethics Committee, holds position as a researcher

Eva Arneric - Is a member of Secondary Data Analysis Committee, Trans-Tasman Radiation Oncology Group

Elizabeth Kernutt, Research team - Providing support to Curtin PHD students for conducting Research projects at the Radiation Oncology Department

Successes

In October 2019, Dr Martin Ebert was awarded a Fulbright Future Scholarship to enable collaborative work in the USA during the 2020-21 academic year (currently on-hold pending pandemic).

The SWAN Project (<https://sites.google.com/view/swan-project/home>) produced the first whole-anatomy mapping of radiation dose-response. This sees the start of a new era in the way in which patient outcomes data will be used to optimise radiotherapy treatments for future patients.

Formation of the NIX Alliance – Dr Martin Ebert (Radiation Oncology) and Dr Ros Francis (Nuclear Medicine) co-founded the Networks of Imaging Excellence (<https://nix-alliance.org>) with collaborators in USA and Slovenia. This alliance is establishing global infrastructure for the exchange of data and expertise in quantitative imaging.

Radiology

Articles published in 2019 and

Muruganandan S, Azzopardi M, Thomas R, Fitzgerald DB, Kuok YJ, Cheah HM, Read CA, Budgeon CA, Eastwood PR, Jenkins S, Singh B, Murray K, Lee YCG. Muruganandan S. The Pleural Effusion And Symptom Evaluation (PLEASE) study of breathlessness in patients with a symptomatic pleural effusion. <i>Eur Respir J</i> . 2020 May 14;55(5):1900980. PMID: 32079642
Tan PSC, Badieli A, Fitzgerald DB, Kuok YJ, Lee YCG. Tan PSC. Pleural empyema in a patient with a perinephric abscess and diaphragmatic defect. <i>Respirol Case Rep</i> . 2019 Jan 29;7(3):e00400. doi: 10.1002/rcr2.400.
Lo G, McLaughlin A, Jacques A, Dhillon R, Porter G, Jayaratne T, Bose S, Bourke A. Does Medicare-eligible high-risk breast cancer screening MRI target the right women? <i>J Med Imaging Radiat Oncol</i> . 2020 Apr;64(2):220-228. doi: 10.1111/1754-9485.13009. Epub 2020 Feb 9. <i>J Med Imaging Radiat Oncol</i> . 2020. PMID: 32037738
Lo G, Burton KR, Haider MA, Fleshner N, Finelli A, Ghai S. Negative Predictive Value of Prostate Multiparametric Magnetic Resonance Imaging among Men with Negative Prostate Biopsy and Elevated Prostate Specific Antigen: A Clinical Outcome Retrospective Cohort Study. <i>J Urol</i> . 2019 Dec;202(6):1159-1165. doi: 10.1097/JU.0000000000000388. Epub 2019 Jun 12.
Archer L, Wong D, Nairn R, Hodder Not all abdominal wall masses in women are endometriomas or desmoids; endometriosis-associated abdominal wall cancer. <i>ANZ J Surg</i> . 2019 May;89(5):609-611. doi: 10.1111/ans.14199. Epub 2017 Oct 5.
Rathore K, Weightman W, Teh M, Extracorporeal membrane oxygenation-supported percutaneous angioplasty of coronary button stenosis after aortic root replacement. <i>J Card Surg</i> . 2020 May 10. doi: 10.1111/jocs.14619. Online ahead of print.
Wallace MC, Samuelson S, Khoo T, Ooi J, Tibballs J, Ferguson J, Preen DB, Knuiman M, Garas G, MacQuillan G, Adams LA, Jeffrey GP. The MAAPE score in intermediate and advanced hepatocellular carcinoma treated with Yttrium-90 resin microsphere radioembolization. <i>J Gastroenterol Hepatol</i> . 2020 Feb 9. doi: 10.1111/jgh.15008.
Picazo F, Kwok RCH, Hockley JA, Garbowski MW, Samuelson SD, Jansen Directional Atherectomy of the Common Femoral Artery: Complications and Outcomes. <i>Ann Vasc Surg</i> . 2020 Feb 5:S0890-5096(20)30150-3. doi: 10.1016/j.avsg.2020.01.094. Online ahead of print.
Wallace MC, Sek K, Francis RJ, Samuelson S, Ferguson J, Tibballs J, Asad A, Preen DB, MacQuillan G, Garas G, Adams LA, Jeffrey GP. Baseline and Post-treatment 18F-Fluorocholine PET/CT Predicts Outcomes in Hepatocellular Carcinoma Following Locoregional Therapy. <i>Dig Dis Sci</i> . 2020 Feb;65(2):647-657. doi: 10.1007/s10620-019-05781-6. Epub 2019 Aug 22.
Ong F, Tibballs J. Hepatic volume changes post-selective internal radiation therapy with 90 Y microspheres. <i>J Med Imaging Radiat Oncol</i> . 2020 Jun;64(3):347-352. doi: 10.1111/1754-9485.13040. Epub 2020 May 6. <i>J Med Imaging Radiat Oncol</i> . 2020. PMID: 32378326
Lam D, Jansen S, Tibballs J, McLean-Tooke Fibromuscular dysplasia presenting with a deep vein thrombosis. <i>BMJ Case Rep</i> . 2020 Feb 23;13(2):e233315. doi: 10.1136/bcr-2019-233315. <i>BMJ Case Rep</i> . 2020. PMID: 32094235

Conference presentations delivered in 2019 and 2020			
<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
Medical Imaging Nursing Association Annual meeting, Perth, October 2019.	Liver augmentation to facilitate extended liver resection.	Lecture	J Tibballs
New Frontiers in Endoscopy: EUS-Guided Drainage of the Gallbladder and Bile Duct - A Multidisciplinary Discussion. Perth, July 2019.	PTBD and percutaneous cholecystostomy – the IR perspective.	Lecture	J Tibballs
TROG ASM, Melbourne, March 2019	Presentation of proposal for prospective small renal mass trial.	Lecture	J Tibballs

APSCVIR 2019, Bali February 2019	Sirtex educational session.	Lecture and facilitator	J Tibballs
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Staff with an adjunct appointment	
<i>Institution</i>	<i>Number of staff</i>
Clinical Assoc Prof UWA	1 - Dr Anita Bourke
Clinical Assoc Prof Curtin Uni	1 - Dr Sanjay Nadkarni

Rehabilitation & Aged Care

Articles published in 2019 and 2020
Sharma C, Raymond W, Eilertsen G, Nossent J. Association of Achieving Lupus Low Disease Activity State Fifty Percent of the Time With Both Reduced Damage Accrual and Mortality in Patients With Systemic Lupus Erythematosus. <i>Arthritis Care and Research</i> . 2020;72(3):447-51.
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Inderjeeth, Charles. Morbidity and all-cause mortality associated with osteoporosis treatments. <i>Supplementary Issue of the Internal Medicine Journal</i> , 2020.
Johannes Nossent, David Preen, Helen Keen; Warren Raymond; Inderjeeth, Charles. The prevalence of Rheumatoid Arthritis: A systematic review of population-based studies. <i>Annals of Rheumatic Diseases ARD</i> . EULAR, Frankfurt, June 2020.
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Ognjenovic M, Raymond W, Inderjeeth CA, Keen H, Preen D & Nossent H. The risk and consequences of vertebral fracture in patients with Ankylosing Spondylitis in Western Australia from 1980-2015: a population-based study. <i>ANZBMS ASM Darwin</i> October
Inderjeeth A, Inderjeeth C & Mughal N. Osteoporosis in Dementia Patients: if Poorly Managed Results in High Morbidity and Mortality. <i>APLAR-ARA in conjunction with the Australian Rheumatology Association</i> , Brisbane, April 2019.
Inderjeeth A, Raymond W & Inderjeeth C. Comparing the Electronic Patient Reported Outcome (ePro) Tool Versus the Paper Reported Outcome (pPro) Tool in Rheumatoid Arthritis Patients. <i>APLAR-ARA in conjunction with the Australian Rheumatology Association</i> , Brisbane, April 2019.
Inderjeeth C, Boland E, McQuade J, Raymond W, Connor C, Briffa K & Edelman J. Patients enrolled in an Ankylosing Spondylitis (AS-P) patient centred education program had improved disease activity outcomes up to 12 months. <i>APLAR-ARA in conjunction with the Australian Rheumatology Association</i> , Brisbane, April 2019.
Inderjeeth C, Teguh D, Li S, Tickner J & Xu J. Osteoporosis and Dementia Common Pathways and Targets: A Mouse Mode Investigating the Effect of Acetylcholine Esterase Inhibitor Donepezil on Bone. <i>APLAR-ARA in conjunction with the Australian Rheumatology Association</i> , Brisbane, April 2019.
Inderjeeth C, Raymond W, Geehoed E, Briggs A & Mountain D. A Hospital Based Fracture Liaison Service Effectively Reduces Re-Fracture, Is Cost-Effective and Improves QALY. <i>APLAR-ARA in conjunction with the Australian Rheumatology Association</i> , Brisbane, April 2019.
Inderjeeth C & Raymond W. GARVAN Fracture Risk Calculator without BMD is Accurate and Reduces Reliance on BMD in Older People with Poor Access. <i>APLAR-ARA in conjunction with the Australian Rheumatology Association</i> , Brisbane, April 2019.

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Conference name	Presentation title	Type of presentation	Authors
Alzheimer's Disease International Conference, Singapore (accepted, conference postponed from March 2020)	Communicating antipsychotic deprescribing advice on discharge in patients with dementia and delirium: a clinical audit in a tertiary hospital	Poster	Jayawardena, T; Lee, T; Lin, J; Irwin, F; Foo, B; Campbell, E.
Evidence-Based Perioperative Medicine Asia Conference, Singapore, November 2019	An Optimised Ortho-Geriatric Surgical Pathway for the Prevention and Management of Post-Operative Delirium: A Quality Improvement project at Sir Charles Gairdner Hospital.	Poster	Brinkmann, S; O'Hare, K; Lee, E; Mickle, P; Campbell, E; Currigan, D.
Evidence-Based Perioperative Medicine Asia Conference, Singapore, November 2019	Screening in a tertiary centre to assess risks of perioperative delirium(STARPOD)	Poster	Pugh E, Reynolds S, Campbell E, Brinkmann-Gray S, Lee E
17th World Congress of Anaesthesiologists	Asymptomatic Post-Operative Hypotension in Orthopaedic Patients – Is there a role for Midodrine?'	ePoster	Vasantharao PS, Glennon D.
Accepted for ANZCA ASM 2020	MET Calls in Post-Operative Orthopaedic Patients – An Overview	ePoster	Vasantharao PS, Glennon D.

Respiratory

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Medical information and social media in the time of COVID-19. Mulrennan S, Colt H. Respiriology. 2020 Jun;25(6):578-579.

Respiratory viral infections in Western Australians with cystic fibrosis. Brestovac B, Lawrence C, Speers D J, Sammels L M, Mulrennan S. <i>Respiratory Medicine</i> 161 (2020).
To be or not to be on CFTR modulators during pregnancy: Risks to be considered. Vekaria S, Popowicz N, White SW, Mulrennan S. <i>J Cyst Fibros</i> . 2019 Dec 24. Epub ahead of print.
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Tracheobronchitis in ulcerative colitis: a case report of therapeutic response with infliximab and review of the literature. Horgan L, Mulrennan S, D'Orsogna L, McLean-Tooke A. <i>BMC Gastroenterol</i> . 2019 Nov 1;19(1):171.
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Brims, F. (2019). Identifying occupationally exposed populations for lung cancer screening: It is about time. <i>Occupational and Environmental Medicine</i> , 76(3), 135-136. doi:10.1136/oemed-2018-105464
Brims, F., Gunatilake, S., Lawrie, I., Marshall, L., Fogg, C., Qi, C., . . . Taylor, P. (2019). Early specialist palliative care on quality of life for malignant pleural mesothelioma: A randomised controlled trial. <i>Thorax</i> , 74(4), 354-361. doi:10.1136/thoraxjnl-2018-212380
Harris, E. J. A., Musk, A., de Klerk, N., Reid, A., Franklin, P., & Brims, F. J. H. (2019). Diagnosis of asbestos-related lung diseases. <i>Expert Review of Respiratory Medicine</i> , 13(3), 241-249. doi:10.1080/17476348.2019.1568875
Harris, E. J. A., Kao, S., McCaughan, B., Nakano, T., Kondo, N., Hyland, R., . . . Brims, F. J. H. (2019). Prediction modelling using routine clinical parameters to stratify survival in Malignant Pleural Mesothelioma patients undergoing cytoreductive surgery. <i>Journal of Thoracic Oncology</i> , 14(2), 288-293. doi:10.1016/j.jtho.2018.10.005

Staff with an adjunct appointment	
<i>Institution</i>	<i>Number of staff</i>
UWA	5 - Siobhain Mulrennan, Anna Tai, Rajesh Thomas, Fiona Lake
Curtin	2- Fraser Brims (Permanent, not adjunct), John Blakey

Conference presentations delivered in 2019 and 2020			
<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
13th Australasian CF conference Perth August 2019	Invited talks on CF Genetics/Fertility and CF through the Ages - Adult CF	Oral x 2	Siobhain Mulrennan
13th Australasian CF conference Perth August 2019	Co- author for several abstracts at the conference		Members of the Adult CF MDT
IRH 20th Anniversary Nov 2019	Clinical Trials and the Evolution of CFTR modulator therapy	Oral	Siobhain Mulrennan

Grants/funding approved in 2019 and 2020						
<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Administrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
2019 Siobhain Mulrennan CIE on NMHMRC Grant – Grant ID: 1163649.	Phenotypes of airway disease in the general population.	CIA Alan James	Busselton Population Medical Research Institute	\$1.35 million		
2020 Siobhain Mulrennan CIG on NHMRC Ideas Grants - Grant ID: 1180854.	Unravelling a clinical paradox: why does bronchial thermoplasty work in asthma and how can we improve patient outcomes.	CIA: Doctor Peter Noble	School of Human Sciences	\$1,060,200.00		

Staff with an adjunct appointment	
<i>Institution</i>	<i>Number of staff</i>
UWA	1 - Adjunct Clinical Professor, Medical School, Faculty of Health and Medical Sciences,

Contributions to the Research Community

Siobhain Mulrennan: Ethics Working Group for WAHTN Biobanking Project 2019
Siobhain Mulrennan: Busselton Population Medical Research Institute Board and research committee
Siobhain Mulrennan: PI for cystic fibrosis and bronchiectasis clinical trials (5 studies in 2019/2020) at the Institute of Respiratory Health
Siobhain Mulrennan: Co-supervisor - Jamie Wood – PhD Curtin University
Siobhain Mulrennan: Co-supervisor – Maggie Harrigan - CF psychosocial care UWA.
Siobhain Mulrennan: Collaborating with BEAT CF research group - BEAT-CF: Bayesian Evidence-Adaptive Treatment for managing Cystic Fibrosis

Successes

Siobhain Mulrennan: Recent promotion in March 2020- UWA Medical School - Clinical Professor
Siobhain Mulrennan: Cystic fibrosis clinical trials – positive outcomes for patients

Rheumatology

Articles published in 2019 and 2020

Sharma C, Raymond W, Eilertsen G, Nossent J. Association of Achieving Lupus Low Disease Activity State Fifty Percent of the Time With Both Reduced Damage Accrual and Mortality in Patients With Systemic Lupus Erythematosus. <i>Arthritis Care and Research</i> . 2020;72(3):447-51.
Nossent JC, Raymond W, Keen H, Preen DB, Inderjeeth CA. Infection Rates Before and After Diagnosis of IgA Vasculitis in Childhood. A Population-wide Study Using Non-exposed Matched Controls. 2020;47(3):424-30.
Nossent H. What is Ankylosing Spondylitis. A Practical Guide to Living with Ankylosing Spondylitis. Perth: Fremantle Press; 2020. p. 9-19.
Nossent H. Statistics in research. truth, half truth or lies: Arthritis Foundation of WA; 2020.
Almutairi K, Nossent JC, Inderjeeth CA. Validity of Self-reported Diagnosis of Rheumatoid Arthritis. <i>Journal of Rheumatology</i> . 2020
Raymond WD, Eilertsen GØ, Shanmugakumar S, Nossent JC. The impact of cytokines on the health-related quality of life in patients with Systemic Lupus Erythematosus. <i>Journal of Clinical Medicine</i> . 2019;8(6).
Raymond WD, Eilertsen GØ, Nossent J. Principal component analysis reveals disconnect between regulatory cytokines and disease activity in Systemic Lupus Erythematosus. <i>Cytokine</i> . 2019;114:67-73.
Raymond W, Shanmugakumar S, Eilertsen G, Nossent H. Cytokines and health-related quality of life in systemic lupus erythematosus (SLE). <i>International Journal of Rheumatic Diseases</i> . 2019;22(S3):170.
Raymond W, Keen H, Preen D, Inderjeeth C, Nossent H. Mortality rates in patients with osteoarthritis in Western Australia from 1995– 2015. <i>International Journal of Rheumatic Diseases</i> . 2019;22(S3):170.
Raymond W, Kang A, Wong D, Chakera A, Nossent J. Utility of Repeat Renal Biopsies in Patients with Lupus Nephritis in Western Australia. <i>Arthritis and Rheumatology</i> . 2019;71.
Paramalingam S, Dyke JM, Nossent JC. Sporadic late onset nemaline myopathy (SLONM) in an adult presenting with progressive muscle weakness. <i>European Journal of Rheumatology</i> . 2019;6(2):105-7.

Ognjenovic M, Raymond W, Nossent H. Mortality in hospitalised ankylosing spondylitis patients from Western Australia. <i>International Journal of Rheumatic Diseases</i> . 2019;22(Suppl. 3):25.
Ognjenovic M, Raymond W, Keen H, Preen D, Inderjeeth C, Nossent J. The risk and consequences of vertebral fracture in patients with Ankylosing Spondylitis from a linked health database. <i>Journal of Bone & Mineral Research</i> . 2019;34:384-.
Nossent JC, Sagen-Johnsen S, Bakland G. IL-1A gene variation in relation to cytokine levels and clinical characteristics in ankylosing spondylitis. <i>European Journal of Rheumatology</i> . 2019;6(2):67-70.
Nossent JC, Sagen-Johnsen S, Bakland G. Disease Activity and Patient-Reported Health Measures in Relation to Cytokine Levels in Ankylosing Spondylitis. <i>Rheumatology and therapy</i> . 2019;6(3):369-78.
Nossent J, Raymond W, Ognjenovic M, Kang A, Chakera A, Wong D. The importance of tubuloreticular inclusions in lupus nephritis. <i>Pathology</i> . 2019;51(7):727-32.
Nossent J, Raymond W, Keen H, Inderjeeth C, Preen DB. Hospitalisation rates and characteristics for adult and childhood immunoglobulin A vasculitis in Western Australia. <i>Internal Medicine Journal (Print)</i> . 2019;49(4):475-81.
Nossent J, Raymond W, Keen H, Inderjeeth C, Preen D. Pregnancy outcomes in women with a history of immunoglobulin A vasculitis. <i>Rheumatology (United Kingdom)</i> . 2019;58(5):884-8.
Nossent H, Raymond W, Ognjenovic M, Chakera A, Wong Chung Lung D. The importance of tubuloreticular inclusion bodies in lupus nephritis. <i>International Journal of Rheumatic Diseases</i> . 2019;22(S 3):155.
Nossent H, Raymond W, Keen H, Preen D, Inderjeeth C. Infection rates in adult patients with IgA vasculitis before and after diagnosis. <i>International Journal of Rheumatic Diseases</i> . 2019;22(suppl 3):156.
Nossent H, Raymond W, Keen H, Preen D, Inderjeeth C. Hospital presentation with infection in children with IgA vasculitis before and after diagnosis. <i>International Journal of Rheumatic Diseases</i> . 2019:152.

Speech Pathology

Articles published in 2019 and 2020

Mohannak N, Pattison G, Radich B, Hird K, Godecke E, Mastaglia F, Needham M. <i>Neuromuscular Disorders</i> 2020, 30:294-300.
Emily Brogan, Erin Godecke & Natalie Ciccone (2020) Behind the therapy door: what is “usual care” aphasia therapy in acute stroke management?, <i>Aphasiology</i> , DOI: 10.1080/02687038.2020.1759268
Eng JJ, Bird ML, Godecke E, Hoffmann TC, Laurin C, Olaoye OA, Solomon J, Teasell R, Watkins CL, Walker MF. Moving stroke rehabilitation research evidence into clinical practice: Consensus-based core recommendations from the Stroke Recovery and Rehabilitation Roundtable. <i>International Journal of Stroke</i> . 2019, 14(8); 766-773. DOI: 10.1177/1747493019873597

Conference presentations delivered in 2019 and 2020

Conference name	Presentation title	Type of presentation	Authors
20th Science of Aphasia Conference Sept. 2019	RELEASE-ing the potential of a large, international, systematic review-based Individual Participant Data (IPD) aphasia after stroke database for meta- and network meta-analysis.	Paper	Ali M, Elders A, Godwin J, Karachalia Sandri A, Williams LJ, Williams LR, VandenBerg K, Abel S, Abo M, Becker F, Bowen A, Brandenburg C, Breitenstein C, Copland

			D, Cranfil T, Di Pietro-Bachmann, Enderby P, Fillingham J, Galli F, Gandolfi, M, Glize B, Godecke E...Brady MC
Speech Pathology Australia June 2019	Fidelity to the therapy frontier: What we learnt about treatment in the Very Early Rehabilitation in SpEech (VERSE) trial.	Electronic Poster	Brogan, E., Ciccone, N. & Godecke, E
Speech Pathology Australia June 2019	Talking Very Early Rehabilitation in SpEech (VERSE): An exploration of talk time in very early aphasia rehabilitation.	Electronic Poster	Kavanagh, S., Ciccone, N., Brogan, E & Godecke, E. (2019)
Aphasiology Symposium of Australasia November 2019	Healing Right Way: An RCT designed to improve quality of life of Aboriginal Australians after brain injury.	Paper	Armstrong, E., Coffin, J., Hersh, D., Ciccone, N., Mcallister, M., Katzenellenbogen, J., Thompson, S., Flicker, L., Rai, T., Cadilhac, D., Godecke, E., Drew, N., Hanke, G., Hayward, C., Woods, D. & Lin, I.
Stroke Society of Australasia September 2019	Recruitment in complex clinical trials	Invited talk	Godecke E
Stroke Society of Australasia September 2019	How much is enough? Very early aphasia therapy.	Invited talk	Godecke E
European Stroke Organisation Conference May 2019	The importance of therapy fidelity in complex clinical trials: verse results and planning future research.	Invited talk	Godecke E on behalf of VERSE collaboration
European Stroke Organisation Conference May 2019	Diagnosis and treatment of aphasia post stroke	Invited talk	Godecke E
Thoracic Society Australia New Zealand WA Scientific Meeting, July 5, 2019	Inducible Laryngeal Obstruction	Invited speaker	Dr John Blakey & Kate Baumwol
Cystic Fibrosis National Conference August 5, 2019	Inducible laryngeal obstruction & Chronic cough	Invited speaker	Kate Baumwol
The Australian society of otolaryngology head and neck surgery	Vocal cord medialisation for advanced cancer patients	Poster	Yael Friedland, Brittany Vogels, Kate Baumwol, Peter Friedland

Grants/funding approved in 2019 and 2020

<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Administrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
National Health and Medical Research Council, Centre of	Aphasia Recovery and Rehabilitation	Rose M, Togher L, Copland D, Kneebone I, Bernhardt J, Lindley R, Carey L, Godecke E, Cadilhac DA, Churilov L, Price C, Power E, Fridriksson	La Trobe University	\$2,495,792.70	2019	2023

Research Excellence		J, Hill K, Worrall L, Nickels L, Lannin N, O'Halloran R, Middleton S, Corp W.				
Western Australian Department of Health Early Stage Research Funding.	Modified Constraint-Induced Movement Therapy after stroke: a process evaluation of implementation within an early-supported discharge rehabilitation service.	Weerakkody A, Singer B, Godecke E	South Metropolitan Health Service, WA Health	\$8350	2020	
Perron Institute for Neurological and Translational Science, Neurotrauma Research Program	Brain injury yarning circles: Support groups for Aboriginal Australians after brain injury	Armstrong, E., Ciccone, N., Coffin, J., Woods, D., Carpio, R., Thompson, S., Katzenellenbogen, J., McAllister, M., & Godecke, E.	Edith Cowan University	\$95000	2020	2021
Stroke Foundation, Early Career Seed Grant	Where to go and what to do? Supporting carers of stroke survivors to get tailored information to meet their needs.	Lynch E, Mitchell J, Hales K, Lane S, Godecke E, Cadilhac D, Harvey G	University of Adelaide	\$50000	2020	
Dementia Australia Research Foundation	Evaluating the feasibility and effectiveness of a novel discourse intervention to improve everyday communication in people with dementia	Cartwright J, Whitworth A, Godecke E	Curtin University	\$75000	2020	2021
Sir Charles Gairdner and Osborne Park Health Care Group, Research Advisory Committee funding	Pushing the length of stay in stroke rehabilitation: What's lateropulsion got to do with it	Nolan J, Godecke E, Chan K, Singer B.	SCGOPHG	\$29791	2019	2020
Western Australian Department of Health NHMRC Project Grant 'Near Miss' Funding Scheme		Whitworth A, Godecke E, Armstrong E, Rose ML.,	Curtin University	\$75000	2019	2020

Vascular Surgery

Articles published in 2019 and 2020

Keryln Carville, Gavin Leslie and Shirley Jansen Phlebology. Controlling compression bandaging pressure in leg ulcer research trials: A summary of the literature Sharon Boxall, 2019;34(8):501-514 doi:10.1177/0268355519825590
Zhonghua Sun, Shirley Jansen. Personalized 3D printed coronary models in coronary stenting Quantitative Imaging in Medicine and Surgery, 2019;9(8):1356-1367 doi:10.21037/qims.2019.06.21
Elizabeth Mary Klinken, Brittany Rose Stevenson, Chi Ho Ricky Kwok, Joseph Allan Hockley, Michaela Lucas. Diffuse inflammatory aneurysmal aortitis secondary to Scedosporium apiospermum complex in an immunocompetent individual Pathology Journal. 2019;51(3):316-318 doi:10.1016/j.pathol.2018.10.021
Boxall SL, Carville K, Leslie GD, Jansen SJ. Compression bandaging: Identification of factors contributing to non-concordance Wound Practice and Research Journal, 2019;27(1):6-20 DOI: 10.33235/wpr.27.1.6-20
Yeap, B.B., knuiman, M. W., Handelsman, D. J., Ho, K. K. Y., Hui, J., Divitini, M. L., Arscot, G. M., McQuillan, B., Hung, J., Beilby, J.P. A 5 alpha-reductase (SRD5A2) polymorphism is associated with serum testosterone and sex hormone-binding globulin in men, while aromatase (CYP19A1) polymorphisms are associated with oestradiol and luteinizing hormone reciprocally Endocrinology, 2019;90(2):301-31 doi:10.1111/cen.13885
Sultan Aldosari, Shirley Jansen, Zhonghua Sun. Optimization of computed tomography pulmonary angiography protocols using 3D printed model with simulation of pulmonary embolism Journal of Quantitative Imaging in Medicine and Surgery, 2019;9(1):53-62 doi:10.21037/qims.2018.09.15
Bleckenhorst LC, Lewis JR, Bondonno CP, Sim M, Devine A, Zhu K, Lim WH, Woodman RJ, Beilin LJ, Thompson PL, Prince RL, Hodgson JM. Vegetable diversity in relation with subclinical atherosclerosis and 15-year atherosclerotic vascular disease deaths in older adult women European Journal of Nutrition, 2019:1-14 doi:10.1007/s00394-019-01902-z
Chong JJH, Prince RL, Thompson PL, Thavapalachandran S, Ooi E, Devine A, Li EEM, Byrnes E, Wong G, Lim WH, Lewis JR. Association between plasma neutrophil gelatinase-associated lipocalin and cardiac disease hospitalizations and deaths in older women HVRI Research History 2016-2019 22 Journal of the American Heart Association, 2019; 8(1):e011028 doi:10.1161/JAHA.118.011028
Thompson PL. Colchicine in Cardiovascular Disease: Repurposing an Ancient Gout Drug. Clinical Therapeutics, 2019;41(1):8-10 doi:10.1016/j.clinthera.2018.11.014
Nidorf SM, Thompson PL. Why colchicine should be considered for secondary prevention of atherosclerosis: an overview Clinical Therapeutics, 2019;41(1):41-48 doi:10.1016/j.clinthera.2018.11.016
Nidorf SM, Fiolet ATL, Eikelboom JW, Schut A, Opstal TSJ, Bax WA, Budgeon CA, Tijssen JGP, Mosterd A, Cornell JH, Thompson PL. The effect of low-dose colchicine in patients with stable coronary artery disease: The LoDoCo2 trial rationale, design, and baseline characteristics American Heart Journal, 2019;218:46-56 doi: 10.1016/j.ahj.2019.09.011.
A Novel Roller Pump for Physiological Flow. Albert Chong, Zhonghua Sun, Shirley Jansen, Lennart van de Velde, Michel Versluis, Michel M.P.J. Reijnen, Erik Groot Jebbink. Artificial organs 2020. In Press.
Surgical Decision-Making In Uncomplicated Type B Aortic Dissection: A Survey of Australian/New Zealand & European Surgeons. Munshi B, et al. EJVES.
Directional Atherectomy of the Common Femoral Artery: Complications and outcomes. F Picazo, Kwok RCH, Hockley J, Garbowski M, Samuelson S, Jansen SJ. Annals of Vascular Surgery. In Press. doi:https://doi.org/10.1016/j.avsg.2020.01.094.
Fibromuscular dysplasia presenting with a deep vein thrombosis. Lam, Danielle; Jansen, Shirley; Tibballs, Jonathan; McLean-Tooke, Andrew. BMJ case reports 2020;13: e233315. doi:10.1136/bcr-2019-233315.

Grants/funding approved in 2019 and 2020

Funding body and grant type	Project title	CIs and PIs	Administrating organisation	Total Amount	Start year	Finish year
LoDoCo2 Trial	Low Dose Colchicine for	Prof P Thompson	NHMRCGrant	\$2.3M	2019	2020

	secondary prevention in Stable Coronary Heart Disease.					
	Wound imaging service Kimberley Region	Co-PI	URGO Foundation	\$140,000	2019	2019

Highlights from Osborne Park Hospital

Articles published in 2019 and 2020

McGurgan P, Calvert KL, Narula K, Celenza A, Nathan EA, Jorm C. Medical students' opinions on professional behaviours: The Professionalism of Medical Students' (PoMS) study. <i>Medical Teacher</i> . 2020 Mar;42(3):340-350. https://doi.org/10.1080/0142159X.2019.1687862
Nolan, J., Godecke, E., & Singer, B. (2019). The association between contraversive lateropulsion and outcomes post stroke: a systematic review. <i>European Stroke Journal</i> , 4, 156.
Nolan, J., Chan, K., Godecke, E., & Singer, B. (2019). Research Protocol: Should there be a push for change to service delivery for patients with lateropulsion? <i>Neurologie & Rehabilitation</i> , 25, S58.
Anuttara Panchali Kumarasinghe, Aron Chakera, Kien Chan, Sharan Dogra, Sally Broers, Sean Maher, Charles Inderjeeth. Incorporating the Clinical Frailty Scale into Routine Outpatient Nephrology Practice: An Observational Study of Feasibility and Association. <i>Internal Medicine Journal</i> . 2020 https://doi.org/10.1111/imj.14892 (In Press)
Golsorkhtabamiri M, Inderjeeth CA. Management Challenges in Atypical Femoral Fractures: A Case Report. <i>Annals of Geriatric Medicine and Research</i> 2020;24(1):50-54 DOI: https://doi.org/10.4235/agmr.19.0046 (In Press)
Khalid B. Al Mutairi, Johannes C. Nossent and Charles A. Inderjeeth . Validity of Self-reported Diagnosis of Rheumatoid Arthritis. <i>The Journal of Rheumatology</i> February 2020, jrheum.191401; DOI: https://doi.org/10.3899/jrheum.191401
Ognjenovic M, Raymond W, Inderjeeth CA, Keen H, Preen D & Nossent H. The risk and consequences of vertebral fracture in patients with Ankylosing Spondylitis in Western Australia from 1980-2015: a population-based study. <i>Journal of Rheumatology</i> (Manuscript No. 2019-0675.R1 – In Press)
Almutairi Khalid, Nossent Hans, Inderjeeth C. Identifying Rheumatoid Arthritis Cases within the Quebec Health Administrative Database. <i>The Journal of Rheumatology</i> Manuscript No. 2019-1401(In Press)
Iddagoda Mayura Thilanka, Inderjeeth Charles Anoopkumar, Chan Kien, Raymond Warren David. Post-stroke sleep disturbances and rehabilitation outcomes: a prospective cohort study. <i>Int Med J</i> 20 May 2019 https://doi.org/10.1111/imj.14372
Iddagoda MT, Inderjeeth CA, Chan K, Raymond WD. Prognostication accuracy of final destination in poststroke patients requiring transitional care. <i>Australas J Ageing</i> . 2019;00:1–7. DOI: 10.1111/ajag.12742
Inderjeeth CA and Raymond Warren. Case finding with GARVAN Fracture Risk Calculator in primary prevention of fragility fractures in older people. <i>Archives of Gerontology and Geriatrics</i> . Aug 2019. 86 (2020)103940. DOI: 10.1016/j.archger.2019.103940
Inderjeeth CA, Harrod W and Inderjeeth AJ. Osteoporosis in older populations: update 2019. <i>Medicine Today</i> . 2019; 20(8): 10-18.
Inderjeeth C, Nair PA, Chan K, Raymond R, EM Lim. Bone turnover markers in old vs early postmenopausal women. <i>MOJ Gerontol Ger</i> . 2019; 4(1):22–26.
David S, Chan K, Inderjeeth CA, Raymond Warren. Rehabilitation indices associated with sustaining a minimal trauma fracture within 12 months of a stroke in Western Australian. 25 February 2019. <i>Journal: Australasian Journal on Ageing</i> Article DOI: https://doi.org/10.1111/ajag.12614
Sim M, Prince RL, Scott D, Daly RM, Duque G, Inderjeeth CA et al. Sarcopenia Definitions and Their Associations With Mortality in Older Australian Women. <i>Journal of the American Medical Directors Association</i> . Jan 2019. 20(1): 76-82. https://doi.org/10.1016/j.jamda.2018.10.016
Johannes Nossent, Warren Raymond, Helen Keen, Charles Inderjeeth and David Preen. Pregnancy outcomes in women with a history of immunoglobulin A vasculitis. <i>Rheumatology</i> . 24 December 2018. https://doi.org/10.1093/rheumatology/key408

Zanker J, Scott D, Reijnierse EM, Brennan-Olsen SL, Daly RM, Girgis CM, Grossmann M, Hayes A, Henwood T, Hirani V, Inderjeeth CA et al. Establishing an Operational Definition of Sarcopenia in Australia and New Zealand: Delphi Method Based Consensus Statement. J Nutr Health Aging. 2019;23(1):105-110. DOI:10.1007/s12603-018-1113-6
Inderjeeth CA, Inderjeeth AJ, Raymond WD. A multicentre observational study comparing patient reported outcomes to assess reliability of swollen and tender joint assessments and response to certolizumab treatment as compared to clinician assessments in rheumatoid arthritis. International Journal of Clinical Rheumatology. 2019. https://doi.org/10.1111/1756-185X.13364
Inderjeeth CA, Habib P, Sharma C, Nossent H. Systemic Lupus Erythematosus – Reducing Life –threatening complications. Medicine Today 2019; 19(9): 31-41
Mughal N, Inderjeeth AJ, Inderjeeth CA. Under treatment of osteoporosis, in patients with dementia: Findings from an Ortho-geriatric Unit. Australasian Journal of General Practice. AJGP. 2019: 47(11)
Sim M, Prince R, Scott R, Inderjeeth CA et al. Regional population-specific sarcopenia criteria is associated with the greatest mortality risk in older Australian women. JAMDA-D-18-00628 2019 (In Press)
Sim M, Prince R, Scott R, Inderjeeth CA et al. Utility of four sarcopenia criteria for the prediction of injurious falls-related hospitalization in older Australian women. 2019: 30(1):167-176
Zanker J, Scott D, Reijnierse, Inderjeeth CA et al. Establishing an Operational Definition of Sarcopenia in Australia and New Zealand: Delphi Method Based Consensus Statement. J Nutr Health Aging. 2019: 23(1):105-110

Conference presentations delivered in 2019 and 2020			
<i>Conference name</i>	<i>Presentation title</i>	<i>Type of presentation</i>	<i>Authors</i>
Smart Strokes Conference NSW August 2019	Stroke survivors driving education group	Poster	Capri Laforest and Geraldine Mardon
Smart Strokes Conference NSW August 2019	Self Awareness post stroke	Presentation	Toni Heinemann
Nordic Aphasia Conference, Finland	CIAT: Where impairment meets Wellbeing	oral	A Cream, D West
European Stroke Organisation Conference	The association between contraversive lateropulsion and outcomes post stroke: a systematic review	e-poster	J Nolan, E Godecke B Singer
Symposium on Human Perception of Verticality: Lateropulsion and Retropulsion in Neurological Disorders	Research Protocol: Should there be a push for change to service delivery for patients with lateropulsion?	poster	J Nolan, K Chan, E Godecke B Singer
WA Stroke Symposium	Applying “Evidence-Based Practice” in stroke care	oral	J Nolan, E Godecke B Singer
Psychology in Medical Education Symposium (PiMEDS), UNSW, Sydney, Sept 2019.	Psychology of professional behaviours for medical students.	Key note/Plenary	P. McGurgan
Psychology in Medical Education Symposium.	What factors influence medical students’ opinions on professionalism dilemmas?	Free comms	P. McGurgan
Psychology in Medical Education Symposium.	Medical students’ opinions on professional behaviours - results from an international study	Free comms	P. McGurgan

Aus/ NZ Assoc Health Care Educators (ANZAHPE) conference, Canberra, July 2019	What factors influence medical students' opinions on professionalism dilemmas?	Poster	P. McGurgan
ANZAHPE conference, Canberra.	Medical students' opinions on professional behaviours - results from an international study.	Poster	P. McGurgan
UWA Assessment Essentials Workshop	The UWA approach-how to assess professionalism?	Key note	P. McGurgan

Grants/funding approved in 2019 and 2020						
<i>Funding body and grant type</i>	<i>Project title</i>	<i>CIs and PIs</i>	<i>Adminstrating organisation</i>	<i>Total Amount</i>	<i>Start year</i>	<i>Finish year</i>
Small Grants Research Program	Self Awareness post stroke	Toni Heinemann	SCGOPHHCG	\$5000	2019	2020
CHPO	Does acute length of stay influence rehabilitation outcomes in patients with surgically managed hip fractures?	E Bell, J Nolan, D Clair	CHPO	\$8000	2020	2020
SCGH RAC Grant	Pushing the length of stay in stroke rehabilitation: what has lateropulsion got to do with it?	J Nolan, E Godecke K Chan B Singer	SCGOPHHCG	\$29,791	2019	2020
SCGH RAC Grant	Prevalence of pelvic floor injury and clinical symptoms in post-partum primiparous women at Osborne Park Hospital.	M Tye	SCGOPHHCG	\$30000	2019	2021
SCGHOPH Health Care Group Research Advisory Committee Small Grant Funding	Feasibility of cued naming therapy via telepractice for aphasia early post-stroke.	A Cream, D West, A Hill	SCGHOPHHG	\$5,000	2019	2020

Successes
Jessica Nolan, Physiotherapy, OPH - 2020 SCGHOPH GEM (going the Extra Mile Awards)
Jessica Nolan, Physiotherapy, OPH - Researcher of the Year

Publications

Endnote Publications

SCGOPHCG staff publications for Jan – May 2020

There are 257 references including conference abstracts and published papers.

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