

Research Annual Report 2022



Townsville Hospital and Health Service Research Annual Report 2022 Published by the State of Queensland (Townsville Hospital and Health Service), August 2023

This document is licensed under a Creative Commons Attribution 3.0 Australia license. To view a copy of this license, visit creativecommons.org/licenses/by/3.0/au

© State of Queensland (Townsville Hospital and Health Service) [2018]

You are free to copy, communicate and adapt the work, as long as you attribute the State of Queensland (Townsville Hospital and Health Service).

For more information contact:
Townsville Institute of Health Research and Innovation
Townsville Hospital and Health Service
PO Box 670, Townsville, QLD 4810

Grant and funding amounts also include grants received by Townsville Hospital and Health Service staff in collaboration with others and where Townsville Hospital and Health Service may not be the administering institution.

Disclaimer: The content presented in this publication is distributed by the Townsville Hospital and Health Service as an information source only. Townsville Hospital and Health Service makes no statements, representations or warranties about the accuracy, completeness or reliability of any information contained in this publication. Townsville Hospital and Health Service disclaims all responsibility and all liability (including without limitation for liability in negligence) for all expenses, losses, damages and costs you might incur as a result of the information being inaccurate or incomplete in any way, and for any reason reliance was placed on such information.

We acknowledge and thank our colleagues who contributed to the design and imagery in this report, in particular Lauren Johnson, Dan Donnelly and the team from the THHS Public Affairs Unit.

Message from the Health Service Chief Executive	4
Message from the Executive Director of Clinical Governance and Director of Clinical Research	5
2022 Research Highlights	6
2022 TropiQ Townsville Research Symposium	7
External Grants	9
2022 Study Education Research Trust Account (SERTA) Grants	10
Allied Health Services Division	13
Research Groups	15
Approved Research	16
Corporate Services	18
Research Groups	19
Approved Research	22
Health & Wellbeing Service Group	25
Research Groups	29
Approved Research	30
Medical Service Group	32
Research Groups	33
Approved Research	42
Mental Health Service Group	47
Research Groups	48
Approved Research	50
Pathology Queensland	51
Research Groups	52
Surgical Service Group	53
Research Groups	54
Approved Research	59
Human Research Ethics Committee	61
HREC Report	63
Research Governance and Support	65
Major THHS research collaborators in new projects approved in 2022	66
Audit, Quality and Innovation Review (AQUIRE)	67
Research Support Services	68
Townsville Health Library	70
Publication Metrics	70
Library Services Delivered	71
THHS Research Publications 2022	72

Message from the Health Service Chief Executive

I'm delighted to contribute this message to the Townsville Institute of Health Research and Innovation (TIHRI) Annual Report 2022-2023.

Again, TIHRI has distinguished itself as a centre for excellence for inventive and modern research leveraging a unique location in the tropics and a passion for supporting both experienced and novice researchers.

Almost \$1.5 million in Study **Education Research Trust** Account (SERTA) grants across five categories - projects, capacity building, fellowship, seed fellowship, and registrar grants - are supporting local researchers to undertake topics ranging from cardiovascular disease reduction to patient preferences for outpatient clinic referrals, from improving outcomes for patients with muscle-wasting disease to the capability of final-year medical students to write prescriptions. These grants continue to enable local researchers to stand on the edge of new frontiers, challenge 'how we've always done it' and, importantly, put the wellbeing of the patient front and centre of their endeavours.

I congratulate Professor Andrew Mallett on his leadership of TIHRI and thank his team of research professionals, ethics experts, and administrative and other support staff for

engendering a passion for discovery and

guiding that passion with practical, theoretical, and financial support.

I'm also delighted to see so many opportunities created for researchers to showcase their work through events such as the TropiQ Townsville Research Symposium and the Research Excellence Awards.

I'd like to wish Professor
Mallett and TIHRI another
successful year and remind
researchers everywhere
of the words of Nobel Prize
winner and biochemist Albert
Szent-Gyorgyi 'Research is to see
what everybody has seen, and to
think what nobody else has thought'.

Professor Kieran Keyes

Health Service Chief Executive Townsville Hospital and Health Service

Message from the Executive Director Clinical Governance and Director Clinical Research

As the penultimate year of the 2019-2022 THHS Research Strategic Plan, this year has realised immense activity and also gives an opportunity to reflect on just how far our Hospital and Health Service has advanced. As a large researchengaged HHS, we are now more agile than ever before to be able to undertake and translate research activities in a way that generates true impact within our community and region, but also at a state and national

level.

Compared to previous years, THHS has generated more external grant funds, more publications, and more project applications (research, ethics & AQUIRE) than in any previous year. In fact, this growth in the short term has been approximately 25% compared to 2021. These are quite simply remarkable achievements and to be celebrated by all THHS staff members and especially THHS researchers. Congratulations to one and all!

It would be remis to not recognise as well the immense challenges uniquely faced by the community, staff and researchers in 2021. As the year commenced, substantial change to clinical service requirements emerged with a speed that is likely only seen a handful of times within a working career. The need to pivot substantial individual and collective bandwidth to directly support the local COVID19 related emergency response was impressive and whole-hearted. Thank you to everyone who was able to contribute in responding to this rapidly unfolding situation.

The selflessness of so many in seeking to "pitch in" for the collective good was impressive and heart-warming during these times that otherwise

can appear to be increasingly cynical and cold.

This also only further highlights how the research success, impact and activity generated in 2022 occurred in spite of nearly a quarter of the year being focused substantially upon a clinical urgency requiring broadscale response.

This annual report also sets the scene for the next quadrennium of the 2023-2026 THHS Research Strategic Plan that

has been informed by the experiences and successes. There are key messages emerging from our annual research activity and its reporting. Continuing to broadly support a thriving and growing landscape of investigator-initiated research is key to success and impact. It is also important to identify key transdisciplinary and

areas to enable responsive research activity growth as well as its deepening. We are excited to share these in due course as part of the next Research Strategic

Thank you again to all THHS staff and researchers for driving, doing, participating in and making research happen every single day throughout the health service. Take a moment to celebrate these successes even whilst we plan for a future that is bigger and brighter yet again.

Ms. Marina Daly

Executive Director Clinical Governance

Professor Andrew Mallett

Director Clinical Research

2022 Research Highlights



274 Peer reviewed publications



Field Weighted Citation Impact (FWCI) for THHS publications (23% higher than the global average)



\$7,752,151 Funding from external grants awarded in 2022 \$35,254,091 Total active grant funds (grants received in, and prior to, 2022)



51,457,777 Funding awarded internally through THHS SERTA grants in 2022



72 New projects authorised





223 Active researchers



18

Research education and training sessions delivered





102 Ethics applications reviewed

Audit, Quality and **Innovation Review** (AQUIRE) process applications reviewed



2022 TropiQ Townsville Research Symposium

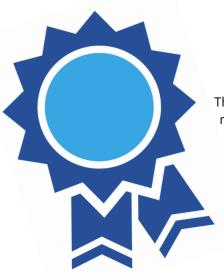
The Townsville TropiQ Research Symposium, held on the 15th of November 2022, celebrated and showcased research excellence from across our region. Under a new single day format, the event provided opportunities for staff and students to discuss their work, build collaborations with colleagues and hear from experts in health and medical research.

The event featured:

- a plenary presentation by Professor Alan Cass from the Menzies institute in Darwin who recounted
 the journey taken in developing research at the Menzies School of Health Research in Darwin
 over a period of 17 years, and the importance of developing and maintaining collaborations with
 communities, policy makers and health providers; and
- two keynote speakers:
 - Associate Professor Stephanie Topp
 from James Cook University who spoke
 of the resilience of health care systems
 and how VID has tested these systems.
 She emphasised the importance, for
 maintaining trust within communities,
 of ensuring our health systems remain
 well-prepared, well-resourced, and
 flexible so that they are able to absorb
 the impact of future disruptive events.
 - Ms Amy Brown who provided insight into her experience with cancer patients at the Townsville University Hospital, and the value that consumers bring to informing research.



Left to right: Professor Andrew Mallett, Director of Clinical Research; Dr Tilley Pain, Principal Health Research Fellow; Professor Alan Cass, Director, Menzies School of Health Research; and Professor Cate Nagle, Professor of Nursing and Midwifery



The day concluded with an engaging panel discussion about the future of health research within our region and what is needed to enable collaboration. The panel included: Professor Richard Murry, Dean of JCU's College of Medicine and Dentistry, Associate Professor Lionel Hebbard, Associate Dean of Research from JCU's College of Public Health and Tropical Medicine, and the Townsville Hospital and Health Service's Director of Clinical Research, Professor Andrew Mallet, Professor of Nursing and Midwifery, Professor Cate Nagle and Principal Health Professional Research Fellow, Dr Tilley Pain.

Awards for best poster and presentations were awarded to:

- Best Poster: Ms Lily Arrate for her poster titled: Time to Target Vancomycin Levels with Loading Dose Capping According to Local Tertiary Hospital Guidelines; and
- Best Presentation: **Ms Mariann Hadland** for her presentation, Being with computer: Midwives' perspectives of the impact of the electronic maternity record on their practice providing woman-centred care.

The 2022 Research Excellence Awards were presented at the Symposium dinner, with the recipients being:

• Researcher of the Year Professor Usman Malabu

• Research Support Award Dr Tilley Pain



Professor Usman Malabu receiving his award from Deputy Board Chair Michelle Morton



Dr Sonja Brennan receiving the Rising Star Award



Dr Tilley Pain receiving her award from Deputy Board Chair Michelle Morton

External Grants

THHS staff were either chief investigators or participating investigators on a number of prestigious external grants in 2022 including:

Investigator	Service Group	Funding body	Grant/Project Title	Aw	arded (\$)
Jonathon Golledge	Surgical Services Group (Surgery)	MRFF Cardiovascular Health Mission Grant	Supervised Home Exercise for Peripheral Artery Disease	\$:	1,000,000
Jonathon Golledge	Surgical Services Group (Surgery)	MRFF Cardiovascular Health Mission Grant	Improving clinical pathways for abdominal aortic aneurysm through incorporating biomarkers	\$:	1,000,000
Jonathon Golledge	Surgical Services Group (Surgery)	Heart Foundation Vanguard Grant	Testing a promising drug in laboratory models representative of the main patient presentations of blocked leg arteries	\$	150,000
Jonathon Golledge	Surgical Services Group (Surgery)	MRFF Dementia Aged Care and Aging Grant	METformin for treating peripheral artery disease Related walking Impairment Trial (MERIT)	\$:	1,215,182
Andrew Mallett	Corporate Services Group	Australian Genomics – Genomic Implementation Grant		\$	80,000
Andrew Mallett	Corporate Services Group	MRFF – Genomic Health Futures Mission Grant		\$:	2,997,499
Andrew Mallett	Corporate Services Group	NHMRC Development Grant		\$	891,093
Andrew Mallett	Corporate Services Group	Queensland Health – Advancing Clinical Research Fellowship		\$	350,000
Tanya Mellett	Medical Services Group (Emergency)	Emergency Medicine Foundation	Evaluation of older patients minor blunt trauma to identify those who do not have clinically important Traumatic Brain Injury and can be safely managed without cranial Computed Tomography.	\$	38,377
Corey Patterson	Health & Wellbeing Group (Speech Pathology)	Office of the Chief Allied Health Officer, Health Practitioner Research Scheme	Evaluation of a shared care model to enable regional/ rural patients with head and neck cancer to access local speech pathology care	\$	30,000
Gail Kingston	Allied Health Service Division (Occupational Therapy)	Office of the Chief Allied Health Officer, Health Practitioner Research Scheme	Darling Downs Rural Hand Therapy Project	\$	30,000

2022 Study Education Research Trust Account (SERTA) Grants

The SERTA grant scheme provides an important research funding stream, supporting:

- THHS staff to advance research at THHS, developing research capacity and capability within the health service; and
- Discovery and translation across the research continuum through projects that have potential to lead to better health outcomes and/or service delivery improvements for northern Queensland communities.

A total of \$1,457,777 was awarded across five SERTA grant categories in 2022.

Project Grants

The **Research Project Grant** funds support the engagement of specialised external expertise, the acquisition of equipment, software, or tests, costs associated with the research team or study participants, and study dissemination.

Investigator	Service Group	Grant/Project Title	Awarded (\$)
Dr Rozemary Karamatic	Medical Services Group	Establishing the North Queensland Liver Tumour Library: improving HCC detection and treatment	\$ 50,000
Dr Inge Putri	Medical Services Group	Prophylactic uterosacral suspension at total laparoscopic hysterectomy in prolapse prevention - RCT	\$ 3,175
Dr Yogavijayan Kandasamy	Health & Wellbeing Services Group	No Pressure: A non-invasive and continuous machine learning method for measuring blood pressure in the neonatal intensive care unit	\$ 10,000
A/Prof Colin Banks	Medical Services Group	Challenging Current Concepts in PE Outcomes study	\$ 14,310
Dr Drew Comeau	Medical Services Group	LUPIC - Longevity of Ultrasound Guided Peripheral Intravenous Cannulas 48 and 64 mm: An Open Label Trial	\$ 4,596
Dr Dionee Liefman	Medical Services Group	Analysis of intrafractional and interfractional seminal vesicle motion in patients treated on the MR linear accelerator and the implications for planning target volume margin selection	\$ 48,600
Mr Glen Newman	Medical Services Group	Evaluation of the impact of a radiation therapist-led model of care for Magnetic Resonance Linac adaptive cancer treatments	\$ 41,379
Dr Tilley Pain	Corporate Services - Allied Health	Patient Preferences for hospital outpatient clinic referrals: a discrete choice experiment	\$ 49,900
Dr Alexander Mitrichev	Surgical Services Group	Randomised controlled trial of tourniquet associated pain generated in lower limb after exsanguination by Esmarch bandage versus leg elevation	\$ 10,000
Dr Benny Tu	Surgical Services Group	A novel approach to evidence-based cardiovascular disease risk reduction - The use of augmented reality digital games	\$ 50,000

Research Capacity Building Grants

Research Capacity Building Grant funding supports access by researchers to specialist assistance to undertake a program of research. The scheme recognises that researchers often require access to people with skills in areas such as data entry, management of ethics and governance applications and preparation of grant applications to undertake their research.

Investigator	Service Group	Grant/Project Title	Awarded (\$)
Prof Jonathan Golledge	Surgical Services Group	Improving outcomes for people with peripheral artery diseases	\$ 140,000
A/Prof Pankaj Saxena	Surgical Services Group	Improving outcomes for patients with muscle wasting disease and liver cancer	\$ 140,000
A/Prof Mark Mayall	Mental Health Services Group	Child Mental Health - Early Years Research, Innovation, and Education Centre: Foundation Project Outline	\$ 140,000
Dr David Watson	Health and Wellbeing Services Group	Aboriginal and Torres Strait Islander women and families and stillbirth: Elders and Healthcare Professionals experiences and perceptions of providing support	\$ 140,000

Research Fellowship Grants

The **Research Fellowship Grant** scheme supports THHS staff who are enrolled in research higher degree study (e.g., PhD), or are within 2 years of completing a research higher degree, enabling them to continue to pursue research linked to their area of professional practice. The Fellowship provides protected time for the recipient to undertake research, enabling them to continue their research career progression and support them in attaining a formal research qualification or securing external competitive research funding.

Investigator	Service Group	Grant/Project Title	Awarded (\$)
Miss Sophie Mokrzecki	Medical Services Group	Are final year medical students prepared to write prescriptions?	\$ 59,980
Mr Nathan Engstrom	Surgical Services Group	Use of implantable cardiac defibrillators in heart failure patients: A tale of two regional centres	\$ 70,000
Mrs Alexandra Ryan	Medical Services Group	Safe storage, selection, and administration of anaesthetic medications in the perioperative setting.	\$ 66,617
Ms Vidula Garde	Corporate Services - Allied Health	Somatization in Emergency Department - Focus on Non Cardiac Chest Pain	\$ 60,695
Mr Tim McNabb	Corporate Services	Improving Outpatient Experience and Reducing Operational Costs Through the use of Internet of Things (IoT) Technology	\$ 68,798

Research Seed Fellowship Grants

The **Research Seed Fellowship** Grant scheme is intended to support early-career researchers, including staff who have not yet enrolled in a research higher degree and have not held a competitive research grant as lead or chief investigator.

Investigator	Service Group	Grant/Project Title	Awarded (\$)
Mrs Bronwyn OAR (nee Shirley)	Medical Services Group	Feasibility of Stereotactic Ablative Radiotherapy for Spinal malignancies on the MR-Linac	\$ 66,761
Ms Cassie Lanskey	Medical Services Group	Surgical Pre-admission Pharmacists Updating and Planning Home Medications Within a Newly Rolled-Out Electronic Prescribing Platform.	\$ 63,066

Registrar Grants

Registrar grants are targeted specifically at medical registrars who are seeking to conduct research in order to meet specialist college training requirements.

Investigator	Service Group	Grant/Project Title	A	warded (\$)
Inge Putri	Health and Wellbeing Services Group	Prophylactic uterosacral suspension at total laparoscopic hysterectomy and the risk of prolapse occurrence - a randomised controlled trial (REATTACH)	\$	9,905
Garth Douglas	Medical Services Group	A study paving the way for paediatric ultrasound guided IV cannulation at the TUH	\$	9,995

Allied Health Service Division

The allied health / health practitioner workforce comprises disciplines other than medicine and nursing. We encompass approximated 700 staff members across 8 disciplines of the Allied Health Services Division and 24 other disciplines or teams spread across other Service Groups. The larger teams' research efforts are reported under their respective Service Group.

There was a total of 20 peer reviewed publications from disciplines as diverse as Speech Pathology, Physiotherapy, Radiation Therapy, Pharmacy and Cardiac Measurements with the Cardiac Scientist earning a high editorial recommendation for top citations. A lot of preparatory work is being done in numerous departments to start research projects including:

Dietetics

- Development and evaluation of online stroke-specific nursing education in acute and sub-acute settings
- Oral nutrition support preferences of nutritionally at-risk adult inpatients postsurgery in a regional Australian tertiary hospital
- Effecting practice change with early oral feeding practices in post-operative colorectal patients at Townsville University Hospital
- Bridging the gap: Implementation of a patient centred, and assistant led model of nutrition care in haemodialysis.
- Townsville Community Health Patient Related Outcomes study for dietetics

Speech Pathology

- Evaluation of a shared care model to enable regional/rural patients with head and neck cancer to access local speech pathology care
- Speech pathology services for Aboriginal and Torres Strait Islander adults post stroke or traumatic brain injury (TBI): A qualitative case
- Development and Validation of a Visuoperceptual Measure for The Analysis of Videofluoroscopic Swallow Studies for Adults with Dysphagia
- UPLIFT trial (A phase IIa multicentre umbrella trial of integrated upper limb and language impairment and functional training (UPLIFT))

Community Health

- Developing cutting edge capability for atypical saccharides in emerging and novel food
- Comparing levels of amino acids/protein in children's meals vs. adults meals from fast food outlets

Occupational Therapy

 Patient preferences for telehealth and/ or face to face appointments following a traumatic hand injury: a discrete-choice experiment.

Research Grants

 Speech Pathology: HPRS research grant (\$30,000) for Evaluation of Shared Care project

Conference presentations

- "Nutrition management in neurological conditions". Achamma Joseph. Diabetes and neurology symposium. Australasian diabetes congress, Aug 2023, Brisbane
- "Nutrition considerations and medication management in persons with diabetes and multiple comorbidities". Achamma Joseph. Diabetes Medication masterclass. Australasian diabetes congress, Aug 2023, Brisbane.
- "We need to listen: Implementing telehealth for residents in rural and remote areas with traumatic hand injuries'. Gail Kingston (invited speaker) Australian Hand Therapy Association National Conference. Aug 2022

Awards

- Winner, 2022 Allied Health Awards Delivering Better Health Outcomes Henry Wang (ED Senior Podiatrist)
- Winner 2022 Allied Health Awards Delivering Better Valued Care (Trent Johnston and Podiatry Team)
- Finalist, 2023 THHS Awards Vision Trent Johnston

Danielle Hornsby

Director Allied Health Services Allied Health Services Division



Trent Johnston and Podiatry Team

Allied Health / Health Practitioner Research Group

The 2022 research efforts of AH/HP researchers were overshadowed by COVID-19. The Principal HP Research Fellow and the Clinical Research Coordinator were deployed to swabbing duties – doing our bit alongside other clinicians during the pandemic. On return to normal duties mid-year the delays caused by COVID-19 continued with turnaround time on peer review, and ethics and governance processes understandably delayed. Despite the slow start, the research metrics were on track with previous years.

Dr Tilley Pain Allied Health Principal Research Fellow

Highlights	Н	igl	ılig	hts
-------------------	---	-----	------	-----

- 20 peer reviewed publications
- >\$1.2 million in successful grants
- 50% of AH/HP teams are research active
- 12 AH/HP staff are enrolled in PhD
- 21 conference presentations
- Team membership with Health Services Research Association of Australia and New Zealand
- 4 Research / presentation awards

Key Researchers

- Dr Tilley Pain (AH/HP Research Fellow)
- Dr Amy Brown (Oncology Research Fellow)
- Dr Gail Kingston (Assistant Director Occupational Therapy)
- Dr Kelvin Robertson (Director Pharmacy)
- Dr Stephen Perks (Clinical Educator, Pharmacy)
- Dr Sonja Brennan (Consultant Sonographer)

Key Collaborations

Collaborator	Project
Prof Sonya Osborne (Implementation Scientist), University of Southern Queensland	Collaboration on introducing a primary care pathway for mild cognitive impairment
Prof Rachael Morton (Health Economist), NHMRC Clinical Trials Unit, University Technology Sydney	The use of PROMs in clinical care
Prof Jon Karnon (Health Economist), Flinders University	Collaboration on introducing an embedded economist at THHS
Dr Emily Saurman (specialist researcher in access to clinical care) from University Sydney (Broken Hill campus)	Collaboration to measure change in access with the introduction of an allied health substitution model
Professor Deborah Street (mathematician) at UTS	Collaboration on a discrete choice experiment on patient preferences for outpatient specialist care
Dr Fiona Barnett (JCU)	Collaboration on study into on mild cognitive impairment
Dr Hannah Carter (QUT, AusHSI)	Collaborating on an economic evaluation of new model of care in radiation therapy

Oral Presentations

 Pain, T. Use of PROMs in clinical care. Long oral, Health Services Research Association of Australia and New Zealand. Sydney December 2022

Research Groups

Department of Psychology Research Group

Highlights

- Adam Stringini completed his Master's thesis
- Vidula Garde received a SERTA fellowship grant to support her PhD study
- Sheree Memon completed her state-wide paediatric transition project.

Key Researchers

- Vidula Garde (Director Psychology)
- Sheree Menon (Senior Psychologist Paediatrics)
- Adam Stringini (Psychologist Paediatrics)
- Bridget Webber (Clinical Education Coordinator)
- Matthew Taylor (Senior Psychologist)
- Daniel Hunt (Psychologist Intern)
- Christopher Ingham (Psychologist Intern)

Approved Research

Principal Investigators	Department	Study Title
Dr Kristine Battye	Allied Health	Evaluation of the development, implementation and impacts of Allied Health Assistants in Queensland Hospital and Health Services
Dr Tilley Pain	Allied Health Management	Allied Health Research Capability Framework: Evaluation and Review
Miss Joanna Hargreaves	Physiotherapy	Motivation for clinical education in Physiotherapists - development of a workforce assessment instrument
Mrs Frances Cochrane	Speech Pathology	Speech pathology services for Aboriginal and Torres Strait Islander adults post stroke or TBI: A qualitative case study exploration Note: Project listed in ERM as "Acquired communication disorder services for Aboriginal and Torres Strait Islander adults post stroke or TBI" but approved project title is "Speech pathology services for Aboriginal and Torres Strait Islander adults post stroke or TBI: A qualitative case study exploration"
Ms Bridee Neibling	Physiotherapy Rehabilitation	Coaching survivors to persevere with practice
Ms Christina Turner	Nutrition and Dietetics	Evaluation of the Supervisory Skills of Bond University Master of Nutrition and Dietetic Practice Program's Clinical Internship Supervisors
Ms Gema Bates	Social Work	Understanding 'social' perspectives within child development: A qualitative exploration of social factors and their integration within child development assessments
Ms Katina Swan	Speech Pathology	Development and Validation of a Visuoperceptual Measure for The Analysis of Videofluoroscopic Swallow Studies for Adults with Dysphagia
Sue Holley	Mental Health Occupational Therapy	Understanding the experience and impact of sub-specialty group membership on occupational therapists working in Queensland Health mental health services.

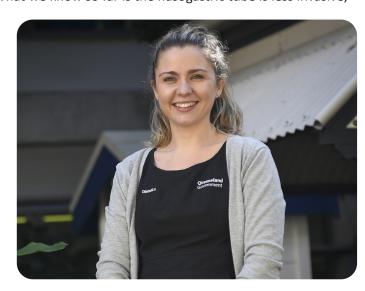
Embedding Research into Practice in Allied Health

Dietitian Lauren Williams is pioneering the embedding of the 'Allied Health – Translating Research into Practice' (AH-TRIP) initiative into the Townsville Hospital and Health Service. AH-TRIP was designed to build the capacity of health practitioners to more easily embed evidence-based practice into hospital and healthcare services. Lauren said AH-TRIP was still a relatively fresh concept for health services outside south-east Queensland. "South-east Queensland has been using AH-TRIP for quite some time and while it definitely exists outside of the bubble, it isn't widely implemented.".

Lauren said AH-TRIP was about making changes which were already backed by research, to improve outcomes for patients. "AH-TRIP involves doing what is essentially a mini-research project to adopt evidence-based practices which may already exist in other health services," she said. An initial project conducted in 2022 looked at feeding certain cancer patients via a nasogastric tube rather than total perenteral (intravenous) nutrition. "This practice is already used in other HHSs and the research exists to support it being adopted, so now we're exploring embedding it into the dietetic procedures here by working through the AH-TRIP process. "What we know so far is the nasogastric tube is less invasive,

less risky, allows our patients to be fed quickly and is cost-effective and sustainable."

Lauren said at the end of the day,
AHTRIP was about improving outcomes
for patients. "For good reason it isn't
easy to change all our practices or
procedures, but these are evidencebased solutions being adapted from
other health services where the
groundwork and data exist," she said.
"Simple solutions can make all the
difference for our patients and that's
the crux of what AH-TRIP can achieve."



Lauren has been named champion for

the Townsville HHS with the dietetic team acting as the pilot for implementing the practice. "I developed a seven-session training course for practitioners who were interested in learning how to adopt AH-TRIP and recently ran them for the first time for the dietetics team," she said. "I had nine participants for this



first lot of training and so far we've had some really positive feedback and some initial interest in using it to implement new procedures into our department.

"Ideally, our next step will be forming an interest group AH-TRIP to be widely utilised across the whole HHS."

Corporate Services

The research activities within THHS Corporate Services continues to grow and flourish. This is occurring in parallel with further fortified research management and leadership functions provided by the Director of Clinical Research and Townsville Institute of Health Research and Innovation (TIHRI).

By both supporting priority research groups and activities, as well as providing critical research leadership and management functions, we are playing a critical role in delivering upon the current THHS Research Strategy. We are looking towards the future and look forward to defining this further over the next year in beginning to deliver the next THHS Research Strategy.

Nursing and Midwifery Research Group (NMRG)

Key Researchers

- Professor Cate Nagle (Professor of Nursing and Midwifery, THHS and JCU)
- Dr Wendy Smyth (Nurse Researcher, THHS)
- Mariann Hadland (Nurse/Midwife Researcher, THHS)
- Nicole Chapman (Acting Nurse Researcher, THHS)

Key Collaborations

- TAAHC
- JCU Townsville and Cairns
- Sunshine Coast HHS and University of the Sunshine Coast
- Wide Bay Hospital and Health Service

Oral Presentations

- Finnimore, K., Smyth, W., Carrucan, J., Butters, R., & Nagle, C. (2022, August 18). Who gives a C.diff? Nurses' and midwives' clinical knowledge, practices. Paper presented at the National Nursing Forum, Darwin.
- Hadland, M., Holland, S., Taylor, R., Smyth, W., & Nagle, C. (2022a). Being with computer:
 Midwives' perspectives of the impact of the electronic maternity record on their practice
 providing woman-centred care. Paper presented at the 2022 TropiQ Research Symposium,
 Townsville University Hospital.
- Holland, S., Smyth, W., & Nagle, C. (2022). Togs on or togs off? Perineal outcomes for women who birth in water compared to women who do not. Paper presented at the 2022 TropiQ Research Symposium, Townsville University Hospital.
- Jones, A., Nagle, C., Ahern, T., & Smyth, W. (2022, August 18). Evidece for a nurse-led protocol for removing urinary catheters. Paper presented at the National Nursing Forum, Darwin.
- Nagle, C., Yates, K., McAuliffe, M., Brown, L., Byrne, M., & Waters, A. (2022). Midwifery
 Unshackled: a mixed methods approach to defining the role and scope of contemporary
 midwifery practice. Paper presented at the 2022 TropiQ Research Symposium, Townsville
 University Hospital.

Press release

• McCabe, R. (2022). An app for that: Prenatal education & support [Press release]. Retrieved from https://www.jcu.edu.au/this-is-uni/health-and-medicine/articles/an-app-for-that-prenatal-education-and-support

Robots Prove Valuable in Supporting Health Promotion and Literacy



Townsville HHS-led research has demonstrated how effective humanoid robots can be in supporting health promotion, health literacy and reducing vaccine hesitancy in an acute hospital setting. Humanoid robots are intricate mechatronic systems with human-like physical attributes and inbuilt algorithms that enable them to perform activities such as communicating and interpreting information. The use of these technologies within healthcare settings is gaining traction globally and is rapidly evolving.

The study team was led by Townsville HHS Professor of Nursing and Midwifery Cate Nagle, nurse researcher Wendy Smyth and enrolled nurse Anne Elvin, and involved colleagues from the ARC Centre of Excellence in Robotic Vision at QUT, James Cook University, and the Queensland Government.

Townsville HHS-led research has demonstrated how effective humanoid robots can be in supporting health promotion, health literacy and reducing vaccine hesitancy in an acute hospital setting. Humanoid robots are intricate mechatronic systems with human-like physical attributes and inbuilt algorithms that enable them to perform activities such as communicating and interpreting information. The use of these technologies within healthcare settings is gaining traction globally and is rapidly evolving.

The study team was led by Townsville HHS Professor of Nursing and Midwifery Cate Nagle, nurse researcher Wendy Smyth and enrolled nurse Anne Elvin, and involved colleagues from the ARC Centre of Excellence in Robotic Vision at QUT, James Cook University, and the Queensland Government.

Over a period of 12 weeks in late 2018, the team explored how a social humanoid 'moving, talking' robot named Pepper could support the provision of information to patients and visitors, and impact individuals' knowledge of and attitudes towards the flu. The first humanoid social robot trialled in an Australian acute clinical setting, Pepper was programmed to hear and see, to track faces and turn towards voices and use body language to help communicate.

Initially Pepper was deployed as a concierge in the TUH short stay unit greeting, guiding and engaging patients and answering questions including what a patient could do if they were feeling unwell, questions about smoking and providing advice on where to park, where to eat and where to get a coffee. Subsequent programming focussed on the educating people about influenza and, for this stage, Pepper was relocated to the Hospital foyer. Over the course of the trial invaluable information was provided back to the robotic engineers and programmers from nursing staff and patients on ways in which the robot could most effectively engage and interact; information that will improve future iterations of the technology.

Study leader Wendy Smyth advised that "the presence of Pepper in the foyer improved people's knowledge of influenza prevention and people liked having her there." Assessment was made of participants' knowledge about the best way to avoid getting the flu, the length of time for handwashing to be effective, and how long the flu virus can live outside the body, both before and after interacting with Pepper. "After interacting with Pepper people's knowledge on these questions significantly improved as well as their attitudes toward flu vaccination."

Professor Nagle said the potential of social humanoid robots in an acute hospital setting was one that people were initially apprehensive about. "Many people thought a robot would get in the way of clinical care or people would be spooked by them," she said. "This certainly was not the case though, and the nearly 1,000 visitors of all ages, patients and staff who took part in the study, overwhelmingly found Pepper very engaging". Feedback was that Pepper was not judgemental and seemed friendly, and participants felt that the information provided by Pepper was consistent and reliable.

The study demonstrated that use of social humanoid robots in healthcare settings could be safe, effective, engaging and fun, and could prove an effective tool in improving health literacy. You can find the full version of the research paper here.

Approved Research

Principal Investigators	Department	Study Title
Mrs Gitte Galea	Stakeholder Engagement	Exploring the adoption and use of social media by Queensland Health: Challenges and pitfalls
Mr Michael Robinson	Recruiting Medical Officers, Clinical Pharmacists and Nurse Practitioners across Whole of THHS	Active deprescribing in the Townsville Hospital and Health Service: a mixed methods study

Getting a Sense for How Staff Use Hospital Space

The way a space is used can impact how many patients are seen and how efficiently a hospital runs. When Townsville HHS senior project manager and architect Tim McNabb was asked whether clinical spaces at Townsville University Hospital were well utilised, the answer was difficult to find. This question inspired Tim to take up a PhD with James Cook University.

Space within hospitals is often in high demand, and when the activity within the hospital outgrows the available space, calls to build new hospital facilities come with a heavy price tag. With current building costs for clinical space in the order of \$20,000 per m2, the cost to build new facilities is significant - a space the size of a single 12m2 consult room is currently likely to cost ~\$240,000 to construct. Given this, it is important that we get the best use from the spaces we have, and ensure, through consultation with colleagues, that the spaces that we have available are fit-for-purpose.

Many of the spaces within our hospitals contain smart motion sensors that can capture whether there is movement in the room, triggering the turning on of lights and air-conditioning etc. "My approach has been to use smart sensors to collect data on how spaces are actually being used, not just how they are planned to be used," Tim said. "Some sensors can tell us there are people using a space but not the number of people or how they are using the space, whereas others can tell us these things. "The challenge has been how we can gather the most meaningful data to tell us about the use of a space, while also respecting the privacy of the occupants.

By collecting data from smart sensors, and working with staff to understand how spaces are used, and what barriers might exist to them being more fully-utilised, Tim is hoping to inform strategies that will enable us to improve the utilisation of the valuable clinical spaces that we work within.

To date, Tim's research has demonstrated that there is capacity through the use of available sensor technologies to cost-effectively identify how well our spatial assets are used. Preliminary results from staff interviews and surveys suggest that occupancy monitoring is considered both appropriate and acceptable within healthcare environments when used to optimise clinical space utilisation.

The better we can plan, construct and utilise our space, the more services will be able to be accommodated, and the more public funding we will be able to free-up to be used in supporting service provision and equipment as opposed to 'bricks and mortar'. If, through minimal investment in sensor technology and management, even a small improvement in space utilisation could be achieved at each of Queensland's 106 public hospitals (or across Australia's 1,354 public and private hospitals), significant additional clinical activity could be accommodated within existing infrastructure, potentially saving \$millions in building costs each year.

Moving forward, Tim aims to translate his initial research results into practice by creating frontline tools for the TUH to better understand and manage their spaces and explore how sensor technologies could be used to increase access to healthcare services while reducing the cost of providing healthcare at the THHS and beyond.





Palm Midwives Close the Gap with Innovative Idea

An innovative mobile phone application designed at the Townsville Health and Hospital Service is helping close the healthcare gap and providing culturally appropriate and evidence-based advice to pregnant women living on Palm Island.

Clinical midwifery consultant at the Palm Island Primary Health
Care Centre Jane Connell said pregnant women could download the
Pregnancy on Palm app which provided health advice and connected them
directly to midwives and other health professionals working on the island.

"Using the application, a woman can track her pregnancy with up-to-date information," Jane said "It also suggests and reminds her when she should attend medically recommended appointments and includes details about what type of tests or procedures she should expect."

The application provides a wide range of information about pregnancy, birth, the postnatal period and care of newborn babies. It also delivers smoking cessation interventions and other health education resources. Jane said the midwives working on Palm Island are using the application to stay in contact with mothers and share educational resources. "Once women have the app on their phone, our maternity staff are able to message them directly or send notifications individually or as a group," she said

"Expectant mothers on Palm Island are considered as having an increased risk profile and we want to increase the attendance at antenatal appointments in the first trimester and decrease the rates of smoking during pregnancy and the number of low birthweight babies. "We know communication is key in achieving reduced risk factors and the Pregnancy on Palm application provides a contemporary avenue to connect our maternity staff and mums-to-be."

Senior health worker Keira Blackley collaborated with the maternity team through development to ensure the application was relevant and culturally appropriate for Palm Island parents. Keira said she was very proud of the team's work and recommended any expectant mothers download it. "The application is important because it is the first of its kind in our community," she said. "The midwives visit the island three times each week and the application is an invaluable resource women can refer to whenever they have questions. "It will have a big impact on our community."

Executive director Aboriginal and Torres Strait Islander Health Wendy Ah Chin said Pregnancy on Palm helped bridge the health gap in Indigenous communities and provided equitable access to maternity care. "The application was designed to provide culturally appropriate and evidence-based care to a group of women who are more likely to have a high-risk pregnancy," Wendy said. "It is one of many steps Townsville HHS is taking to Close the Gap in Indigenous health care and to support the diverse community we care for. "Healthcare shouldn't be about where you live and this idea was born from the knowledge of our team working on Palm Island." Pregnancy on Palm was developed by a Townsville Hospital and Health Service team as part of the \$10 million Nurses and Midwives EB10 Innovation Fund which promotes the development of new models of care that address emerging or unmet health care needs.

Health & Wellbeing Service Group

Support and approvals for research and researchers continued despite a difficult start to 2022. Funding awarded to members of the service group included a project grant for Dr Kandasamy, research capacity building grants for Dr Watson and Dr Aithal, and a registrar grant for Dr Putri. New studies were approved for Maternity, Sexual Health, Neonatology, Older Persons Community Health, Offender Health, and Recruitment Services.

Multiple journal articles published by researchers and collaborative groups in 2022 demonstrate the commitment shown to improve knowledge and outcomes for health care recipients.

Health and Wellbeing Service Group have established close collaborations with Universities and Health Services across Australia to build our research and pursue ground breaking projects.

Our future research goals include progressing existing research projects, supporting the development of research skills and engagement amongst clinicians and enhance and improve patient experiences and outcomes.

Vicki Carson

Service Group Director Health & Wellbeing Service Group

Centre for Excellence for High Risk Foot Care - Saving Limbs for NQ Patients

The Townsville Hospital and Health Service (HHS) was the first health service in Queensland to be named a centre for excellence for high-risk foot care after receiving accreditation in 2022 from the National Association of Diabetes Centres (NADC). Advanced podiatrist and professional lead Trent Johnston said the team initially applied for core standard accreditation with a view to seeking further advice on how to become a centre of excellence in the future. "Being named a centre for excellence is a very welcome surprise and makes us the first service in Queensland, first non-capital city service in Australia, and only the ninth service across Australia to receive this honour,"

Trent said. "As a team, we know we offer excellent care to our patients but this acknowledgement from the NADC really cements the level of service we are delivering right here at Townsville." Trent said the team's work focused primarily on high-risk clients who were at risk of amputation. "Our job is to save a person's leg by having our 'foot' in the door of all areas of a patient's treatment," he said. "We know that as allied health professionals if we work collaboratively with our colleagues in the vascular surgery, endocrinology, and research teams, we can do just this, and this has been evidenced by the reduction of amputation rates by 67 per cent since 2019."

Trent said the innovative service model was also home to Queensland's only senior emergency podiatrist. "Our senior emergency podiatrist role is embedded in Townsville University Hospital's emergency department (ED) and is able to assess patients on arrival and work collaboratively with the emergency team to link the patient to the services they require," he said. "We know this level of care is reducing the time people are having to spend in the ED and also in hospital, which is important for ensuring our patients are living healthy and happy lives."

Trent said the health service's rich research culture helped the team achieve excellence accreditation. "The success of our service thrives on a multi-disciplinary approach and we owe much thanks to endocrinology staff specialist Professor Usman Malabu and vascular surgeons Professor Jon Golledge and Dr Victoria White who continue to help us drive innovation in our field," he said. Professor Malabu, who is well researched and highly respected in the area of high-risk foot complications associated with diabetes said "it is reassuring to have such a highly motivated and energetic team to work with. In recent years the podiatry team has shown great initiative and drive to enhance and improve health care services for our community. The team is supportive and enthusiastic about new research including my work looking into the effects of extracorporeal shockwave and electromagnetic stimulation therapies for effective treatment and prevention of diabetic foot ulcers." The team has also undertaken clinical trials using an amniotic allograft (revita) dressing for which it was the first site in Queensland conducting trials.

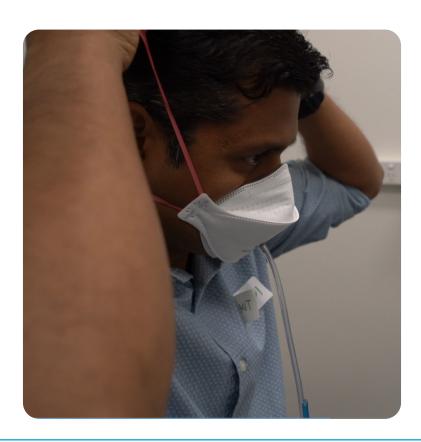
Chief executive Kieran Keyes said the high-risk foot service team was a credit to the health service and the North Queensland community. "Three years ago, people in North Queensland had double the rates of foot-related admissions than the Queensland average and Townsville was in the top 10 for amputations in the country, "he said. "Thanks to this small team, our health service is now recognised as a centre for excellence through its provision of rapid access to limb-saving treatment. "The results of this work are as obvious as they are outstanding; I'm incredibly proud of our podiatry team and congratulate them on their recent accreditation by the NADC."

MaskHelper Revolutionising Workplace Safety

An outstanding and sustained team effort by staff across Townsville HHS has enabled a good idea to progress into a major statewide venture. In 2020 at a time when pressures on personal protective equipment (PPE) supply were high, Dr Arjun Chavan commenced research with the support of a Townsville HHS SERTA grant, initially investigating ways in which PPE might be effectively decontaminated and re-used, and evolving into a method to more-accurately and cost-effectively fit-test people for face masks.

The need to regularly test health workers and students to determine best fit PPE masks is an enormous logistic exercise and a significant cost for health services and educational institutions alike. Research spearheaded by Dr Chavan is using artificial intelligence facial recognition and data from previous fit tests to determine the best-fit masks for individuals without the need to undertake costly and time-consuming mask fit testing.

The MaskHelper program was designed to protect healthcare workers and ensure fit testing was efficient and practical for a health service to deliver, and the project has delivered - providing a more sustainable and effective way of fit-testing masks for clinical staff which is gaining significant interest across Queensland and beyond. Dr Chavan who played an integral role in bringing the project to life said it focused on protecting healthcare workers from COVID-19 as it swept through Australia. "I lost a colleague and a friend to COVID-19 in the early days of the pandemic before we really understood the disease and before there was a vaccination available". "As a medical professional I believe prevention is always better than a cure. Even though vaccines are now available and as we move away from regular mask wearing, the initiative is still relevant because tomorrow we could be facing a new and different pandemic and we will need the time to develop a new vaccine."



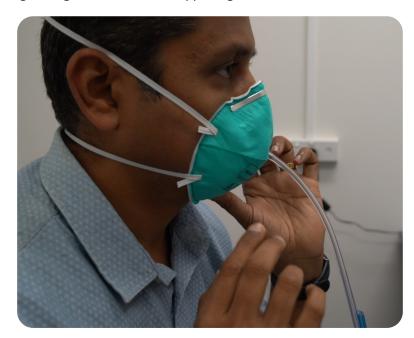
MaskHelper uses artificial intelligence to recommend the best-fitting mask for staff based on previous fit tests and is expected to be able to achieve more than 85 per cent accuracy on the first attempt, using a single mask. This allows the possibility of offering virtual fit testing on a phonebased app and assists with triaging healthcare workers by risk for in-person fit testing to take place. The project already has demonstrably improved the efficiency of fit testing across Queensland and reduced mask wastage, reducing costs by about half (saving >\$2.8m in 2021-2 with a sample size of just 3,630). Extending this approach out broadly across health and education sectors offers opportunity to save \$millions each year.

Arjun said it was an honour to have a Townsville project recognised with a Work Safe Award. "Winning this award reflects the work that has been done in Townsville and with the assistance and support of many of the Townsville Hospital and Health Service staff. "The whole process began with a SERTA research grant which got us the fit-testing machine, but the belief in the project shown by our chief executive Kieran Keyes was key to keeping up the project's momentum. "It also required the support of the senior nurses who volunteered to be fit testers, administration officers, my colleagues in PICU and ICU and numerous other staff members who volunteered with various aspects of the project. "Ben Dicton, an occupational hygienist who has since moved on from the Townsville HHS, deserves a special mention as he played such a huge role through his expertise and assistance in collecting the data."

Arjun said there were many people within the Department of Health, eHealth Queensland, AI experts from multiple universities and the state-wide PPE working group who have also continued to support and progress the project. "The support the project received despite the constraints of COVID-19 has been incredible," he said. "It is an amazing feeling to see all of this happening from Townsville and

what MaskHelper has achieved just wouldn't have been possible without these people backing it."

Maskhelper has developed into a major statewide project, with interest now also coming from other jurisdictions. Now, the fit-testing machines across Queensland Health are centrally integrated with statewide visibility over how much fit testing is being conducted across the state. "Standardised fit testing in health did not exist prior to this project, and now we're looking at potentially offering this to other agencies across Queensland too," Arjun said.



This innovation was recognised in 2022 with the Queensland Work Safe Award for Best Individual Contribution to Work Health and Safety.

Perinatal Maternal Research Group

Research activity resumed for the group during the second half of 2022. Hot topics of research focus were termination of pregnancy, induction of labour, and preterm births.

Key Researchers

- Ms Annemarie Lawrence
- Dr David Watson
- Dr Cecelia O'Brien
- Dr Kendall George
- Dr Jenny Kelly

Key Collaborations

Collaborator	Project	
Robson Research Institute, The University of Adelaide		
Ottowa Health Research Institute		
McMaster University		
The University of Melbourne		
James Cook University		

Perinatal Neonatal Research Group

The group is focussed on recruitment/follow-up for the KIDMAN study which is progressing well. The study is scheduled to be completed in August 2023.

Key Researchers

Yogavijayan Kandasamy

Key Collaborations



Collaborator	Project
JCU's Computer Science Department	
Central Queensland University	Difficult Intravenous Access (DIVA project), from which the team is currently looking at rolling out strategies statewide to address this problem; and An evaluation of the Retrieval Services Queensland education

Approved Research

Principal Investigators	Department	Study Title
Dr Jenny Kelly	Maternity / Midwifery	Perinatal Interprofessional Education Program for Maternity Clinicians (PIPE-MC)
Dr Kendall George	Sexual Health	Women's experiences of accessing a surgical termination of pregnancy (TOP) across regional and rural Queensland Australia, following the closure of regional day surgeries: A Qualitative study. Short Title: TOP Study
Dr Mary Ghazawy	Neonatology	Deferred Cord Clamping to Reduce Need for Neonatal Blood Transfusion: the Transfusions In The APTS Newborns Study (TITANS)
Dr Matthew Wong	Neonatology	Outcomes of extremely preterm neonates treated for Patent Ductus Arteriosus at Townsville University Hospital: a retrospective review.
		Short Title: PDA Outcomes TUH NICU
Dr Natalee Williamson	Neonatal Unit Paediatrics	Townsville University Hospital's model of care for babies with Pierre Robin Sequence: a retrospective review
Dr Taane Morris	Neonatal Intensive Care Unit	Use of postnatal steroids in pre-term infants and prediction of long term neurodevelopmental outcomes in the Townsville University Hospital Neonatal Intensive Care Unit: A retrospective chart review
Dr Veronika Canning	Older Persons Community Services	Australian Dementia Network (ADNeT) Registry
Ms Cindy Sealey	Recruiting medical, nursing & midwifery and allied health clinicians across whole of TUH	RATE-PCP: aRe we doing whAT we say wE are? Person-Centred Practice in a regional tertiary hospital.
Prof Andrew Lloyd	Community Services (Offender Health)	Australian Hepatitis and risk survey in prisons (AusHep)



Research Highlights the Success of THHS's Outreach Clinic in Treating Children with Acute Rheumatic Fever

Research conducted by intern doctor Josh Liaw has shown Townsville HHS outreach programs are successfully improving health outcomes for children with acute rheumatic fever (ARF). Almost exclusively impacting First Nations families, ARF can progress into rheumatic heart disease if not regularly prevented with monthly penicillin injections.

Josh said his research explored the number of children receiving their monthly injections of penicillin in Townsville compared to the national rates. "Nationally, there is a struggle to get above a 50% of ARF patients receiving their monthly penicillin injections adherence rate to prevent a more serious illness," he said. "Through this research, we determined that the Townsville region is above this 50% threshold among children and young adults; however, there is still a lot of room for improvement.

"There are several reasons children may miss their regular appointment for their penicillin including anxiety about the needles and the trauma of getting such regular treatment." Josh said the success of increasing these adherence rates in Townsville could be attributed to the paediatric outreach program established by Townsville HHS director of paediatrics Dr Andrew White and clinical nurse Louise Axford-Haines. "The paediatric outreach clinic run by the paediatric outreach nurses has been pivotal in improving these adherence rates for First Nations children in the Townsville region," he said. "The biggest strength of the clinic has been the fact it has been designed for the specific audience it needs to treat. "The clinic goes out into community, engages with these families and has incredibly supportive and well-trained staff who are delivering these services. "It is resource intensive to offer this sort of clinic, but it's a good example of providing culturally appropriate care and bridging the gap of health inequity for young Aboriginal Torres Strait Islander children."

Inspired by his first taste of research with three research papers under his belt and the support of James Cook University and the Townsville HHS, Josh is now doing a PhD and focusing on ears, nose and throat. "I'm now part of a research group who are studying the bacteria which cause ear, nose and throat diseases," he said. "Our project is looking at novel microbiome transfers for people with

chronic rhinosinusitis, which is an inflammatory disease impacting the lining of the sinuses and creating extra mucus. "It's basically a reset in the nose for people suffering from this condition and is comparable to previous work done to transfer healthy gut bacteria from one person to another. "I have no idea where I will end up once I finish my PhD, but I'm excited to see where this research takes me.



Medical Service Group

2022 presented a new round of challenges for researchers and potential researcher within the Medical Services Group. Staffing and increasing workloads resulted in some reduction in research activity, however the enthusiasm for researchers continued to be evident.

The Medical Service Group actively encourages clinicians to develop and participate in research projects from simple to more complex projects.

The clinical trial unit has continued to grow and increase participation in sponsored trials. The Medical Service Group clinical trials team have expanded to support non-cancer trials with both staffing and operational support.

Aniko Cooper

Service Group Director Medical Service Group

Translational Research in Endocrinology and Diabetes (TREAD)

Key Researchers

- Prof Usman Malabu (Senior Endocrine Staff Specialist Chief Investigator)
- Prof Kunwarjit Sangla (Clinical Director of Endocrinology Principal Investigator)
- A/Prof Yong Mong Tan (Senior Endocrine Staff Specialist Member)
- A/Prof Vasant Shenoy (Senior Endocrine Staff Specialist)
- Dr Parul Nigam Senior (Lecturer and Endocrine Staff Specialist)
- Dr Divya Srivastava (Endocrine Staff Specialist)
- Dr Swetha Rangaswamaiah (Endocrine Staff Specialist)
- Dr Rachel Hovelroud (Advanced Endocrine Registrar)
- Dr Cindy Yu (Advanced Endocrine Registrar)
- Ms Robyn Chadwick (CNC Diabetes and Endocrine Unit)
- Mrs Julie Goodall (Clinical Research Coordinator Podiatry)
- Mrs Jacqueline Bulbrook (Clinical Research Coordinator Nursing)
- Mrs Gaynor Garstone (Clinical Research Coordinator Nursing)
- Mrs Sandra Crook (NP Diabetes)
- Mrs Casey Thompson (NP Diabetes)
- Mrs Ursula Togiailua (NP Diabetes and Obesity)
- Mrs Lynn Corkill (Clinical Nurse Credentialed Diabetes Educator)
- Ms Cheryl Wade (Clinical Nurse Credentialed Diabetes Educator)
- Mr Trent Johnston (Advanced Podiatrist Professional Lead)
- Christine Hobbs (Senior Podiatrist)
- Dr Erik Biros (Clinical Research Coordinator Administration)

Key Collaborations

- Prof Yogesan Kanagasingam (University of Notre Dame e-Health Research Centre)
- Prof John D. Piette (Director Centre for Managing Chronic Disease, University of Michigan, USA)
- Prof Sabe Sabesan (Telehealth and Teletrials TUH)
- Prof Yoga Kandasamy (Senior Staff Specialist Neonatology TUH)
- Prof Jonathan Golledge (Queensland Research Centre for Peripheral Vascular Disease)
- Prof Cate Nagle (Professor of Nursing JCU)
- Prof Anoop Misra (Centre of Excellence for Diabetes and Endocrinology India)
- Prof Teatulohi (Lohi) Matainaho (Chair Science and Technology PNG)
- Prof Saad Ahmed (Professor of Histopathology FMC Abuja Nigeria)
- Prof Zoltan Sarnyai (Neuroscientist and Metabolic Disorders JCU)
- Prof Ickjai (Jai) Lee (Head of IT College of Engineering JCU AI Diabetes Research)
- A/Prof Robert Norton (Director of Microbiology TUH)
- A/Prof Carlo Longhitano (Staff Specialist Psychiatry/Metabolism TUH/JCU)
- A/ Prof Haleagrahara Nagaraja (College of Medicine and Dentistry JCU)
- A/Prof Wendy Li (College of Healthcare Sciences JCU)
- Dr Victoria White (Staff Specialist Vascular Surgery TUH)
- Dr Venkat Vangaveti (JCU Clinical Research and Statistics)
- Dr Euijoon (Osmond) Ahn (College of Engineering JCU Al Diabetes Research)

Research Groups

Oral/Abstract Presentations

- Fathmath N.M. Waheed, Venkat N. Vangaveti, Usman H. Malabu. Prevalence and risk factors for ischemic heart disease in patients with diabetic foot ulcers: a systematic review and metaanalyses.
- Xinliumei Wang, Usman H Malabu, Venkat Vangaveti. Renal and Cardiovascular Effects of SGLT2-inhibitor in Patients with Type 2 Diabetes Mellitus at Townsville University Hospital: A Retrospective Cohort Study.
- Fathmath N.M. Waheed, Venkat N. Vangaveti, Usman H. Malabu. Prevalence and risk factors for cardiovascular complications in patients with diabetic foot ulcers- A seven-year retrospective study.
- Harman Sharma, Sandhli Sharma, Anirudh Krishnan, Daniel Yuan, Venkat N Vangaveti, Usman H Malabu, Nagaraja Haleagrahara. The efficacy of PCT, ESR, CRP and WCC in diagnosing diabetic foot ulcers/ osteomyelitis.
- Harman Sharma, Venkat N Vangaveti, Usman H Malabu, Nagaraja Haleagrahara. The role of interleukins for diagnosing diabetic foot osteomyelitis – a pilot study.
- Daniel Yuan, Venkat N Vangaveti, Usman H Malabu. Effect of glucagon-like peptide 1 receptor agonists (GLP-1RAs) on renal and cardiovascular risk factors in adult patients with T2DM at TUH.

Emergency Medicine Research Program (TUH EMRP)

The TUH-EMRP has been actively building its research activity and growing the capacity of its team. In 2022 the team has produced:

- 10 new research active clinicians. (6 Emergency Physicians, 4 emergency registrars, 2 emergency nurses);
- 3 Higher Degree by Research Degree candidates (Dr Denise Blake, Dr Clinton Gibbs and Dr Vinay Gangathimmaiah);
- 9 major projects underway including clinical trials (FEISTY Junior, RCT NOFFICSED RCT, ARISE Fluids RCT, PROMPT Bolus and SENTINEL) and observational studies (SIGHT, BEST-ED, NQ TOX, Paediatric C-spine injuries);
- Introduction of an inaugural audit program in ED for Junior Doctors;
- 15 publications; and
- 10 collaborations.

Key Researchers

- PDr Vinay Gangathimmaiah, Director of Emergency Medicine Research
- Assoc/Prof Colin Banks, Senior Staff Specialist
- Assoc/Prof Luke Lawton, Senior Staff Specialist
- Dr Denise Blake, Senior Staff Specialist
- Dr Raj Sehdev, Senior Staff Specialist
- Dr Clinton Gibbs, Senior Staff Specialist
- Dr Grame Maw, Senior Staff SpecialistDr Jane Dutson, Senior Staff Specialist
- Dr Tanya Mellett, Senior Staff Specialist
- Dr Kate Hooper, Staff Specialist
- Dr Emma Wawn, Staff Specialist
- Dr Emma Whyte, Staff Specialist
- Dr Julian Wong, Staff Specialist
- Dr Anthony Strickland, Staff Specialist
- Ms Jenni Meehan, ED Allied Health Team Leader
- Mr Travis Cole, Nurse Educator
- Ms Courtney West, Clinical Research Coordinator
- Mr Cameron McDonald, Clinical Research Coordinator

Research Groups

Research Grants

• Mallett, T. Evaluation of older patients with minor blunt head trauma to identify those who do not have clinically important Traumatic Brain Injury and can be safely managed without cranial Computed Tomography. Emergency Medicine Foundation \$38,377.

Key Collaborations

Collaborator	Facilities/Providers
Queensland health facilities	 Cairns Hospital, Mackay Hospital, Mount Isa Hospital, Royal Brisbane and Women's Hospital, Princess Alexandra Hospital, Gold Coast University Hospital, Queensland Children's Hospital
Interstate health facilities	University Hospital Geelong,Royal Children's Hospital,Monash Health
Pre-hospital and retrieval service providers	 Retrieval Services Queensland, Royal Flying Doctor Service, LifeFlight Retrieval Medicine, Queensland Ambulance Services
Universities	James Cook University
THHS Departments	 Neurology, Vascular Surgery, Geriatrics, Hyperbaric Medicine Unit, Trauma Service, Anaesthetics, Adult Intensive Care Medicine, and Paediatric Intensive Care Medicine.



A team of Townsville emergency physicians is leading the national research effort to reduce the need for chest scans in excluding pulmonary embolism (PE) as a risk for patients who present to emergency departments.

Reducing the need for imaging to exclude pulmonary embolism

PE refers to blood clots in lungs. These clots can cause shortness of breath or chest pain and can result in serious harm including collapse or sudden death. On other occasions, these clots can have minor or even no symptoms.

Traditionally, in Australian Emergency Departments, presence of PE is assessed through a series of tests. These tests include doctors' assessment of a patient's clinical risk and a blood test called a D-dimer. The result of the D-dimer test determines whether the patient requires a chest scan. When the D-dimer blood test score is below a certain threshold, a PE can be safely excluded without a chest scan.

Chest scans for PE are time-consuming, costly and can result in side effects like radiation exposure and allergic reactions to the chemical contrast agents used during scans. In addition, there is increasing concern about over-diagnosing PE, that is finding and treating PE that were not going to harm the patient.

The original threshold of D-dimer was 500 nanograms/millilitre (ng/ml) but recent international evidence indicates that a higher threshold of 1000ng/mL, can safely rule-out PE without chest scans in low-risk patients. However, uptake of this higher threshold has been limited in Australia.

Informed by international studies, the Townsville University Hospital Emergency Department raised the D-dimer test threshold in August 2020 and evaluated patient outcomes over the following 6 months.

Of the 930 patients who were assessed for possible PE in the 6-month period, 123 low-risk patients with a D-dimer between 500ng/ml and 1000ng/mL were discharged from ED with no chest scans. The average time spent by these patients in the emergency department was significantly less (approximately 5½ hours) than for those who had chest scans (almost 9 hours). At follow-up, 3 months after ED discharge, the team found no cases of missed PE among 121 patients. There were 2 patients lost to follow up.

The Townsville team is now seeking funding to expand their study to involve colleagues from the emergency departments at the Gold Coast University Hospital; Princess Alexandra Hospital, and Royal Brisbane and Women's Hospital, and James Cook University and Griffith University. The next study, to be led by Townsville University Hospital, aims to reduce chest scans in almost 1500 low-risk patients with a D-dimer between 500 and 1000ng/mL.

Emergency departments are busy places making it imperative that limited staff resources and infrastructure are used effectively to look after critically unwell patients. Through this important research, the Townsville team is delivering high-value health care and improving patient experience by reducing unnecessary tests whilst maintaining patient safety. The Townsville team hopes that this research will support emergency clinicians in embracing the higher D-dimer threshold thus improving efficiency and patient experience throughout Australian Emergency Departments.

Pharmacy Department Research Group

Key Researchers

- Cassie Lanskey
- Madeleine Lowe
- Jane Lewis
- Kath Laspina
- Emma Dal Alba
- Sheridan Smith
- Hayley Rosadi
- Ashley Bill
- Harrison Cliffe
- Matthew Syrnyk
- Alex Ryan
- Sophie Mokrzecki
- Stevie Perks
- Kelvin Robertson



THHS Pharmacy – The Power of Perseverance, Energy and Leadership

Through sustained effort, energy and focussed leadership over 15 years, the Townsville HHS Pharmacy Department has become a leading evidence-driven hospital pharmacy department, achieving spectacular growth in building staff capability, a strong learning culture, and contributing to improved practice, safety and patient outcomes.

In 2008 the Pharmacy Department of The Townsville Hospital was engaged in little research and development, delivered no regular research or quality improvement (QI) outcomes, and no staff were enrolled in postgraduate research. By 2022 the Department:

- has had >30 staff enrolled in postgraduate/doctoral research studies, and 2 PhD completions staff (Dr Kelvin Robertson and Dr Stevie Perks);
- averaged 6.5 completed research/quality improvement projects per annum over the period 2018-22:
- has successfully supervised undergraduate honours research and graduate certificate and masters research projects for both James Cook University and The University of Queensland;
- is active in supporting clinical trial research, increasing its participation in clinical trials from just 15 studies in 2008, to over 100 studies in 2022;
- staff have won research grants valued at >\$220,000 and been guest reviewers on flagship pharmacy journals.

The Department is recognised nationally for their work in quality use of medicines, regularly contributing their expertise as medication safety experts through conducting medication safety and drug usage evaluations, ensuring prescriptions align with therapeutic recommendations and are cost-effective. They also actively contribute to higher discussions around the safe use of medicines, including using evidence to inform the development of safer guidelines and contributing to clinical flow discussions to improve patient care.

In addition the team is recognised for:

- Contributing to the creation of the National Residency training program which takes junior pharmacists through a 2 year structured training program to gain experiential learning toward advanced practice,
- Leading Townsville University Hospital to become the only non-capital city site out of 21 sites accredited nationally by The Society of Hospital Pharmacists in Australia (SHPA) in its initial 2017 accreditation round;
- Establishing concomitant hyperbaric and OPAT (antimicrobial) infusion therapy;
- Treatment of paracetamol overdose which led to statewide changes in ieMR powerplan; and
- Increasing prescribing training and competence amongst junior doctors

The success of the Department is testament to vision and commitment from its leaders and energy and aspiration amongst its staff to strive to be a leading, evidence-based hospital pharmacy unit.

Transition of Care Pharmacy Project

The Transition of Care Pharmacy Project (ToCPP) is sponsored by the Chief Allied Health Officer, Clinical Excellence Queensland and is being piloted in selected patient services at three hospital facilities:

- Townsville University Hospital
- Royal Brisbane and Women's Hospital
- Princess Alexandra Hospital
- The project is running from March 2021 until December 2023 with interventions including:
- Increased communication of medicine-related information to the patient's nominated general practitioner and community pharmacy;
- Post-discharge telehealth/telephone review of patients by the hospital pharmacist.
- Research commenced in March 2022 at Townsville University Hospital. https://www.health.qld.gov.au/ahwac/html/tocpp/info

Key Researchers

- Karen Bettenay, BPharm, MSc (ClinPharm), PhD. Project Officer. Pharmacy Department, RBWH
- Jane Lewis, B.Pharm, MClinPharm, GCertPharmPrac, GradCertPallCare. Pilot site Pharmacist, Pharmacy Department, TUH
- Julie Ball, CertIV Hospital/Health Services Pharmacy Support, Dip. Teaching, Pilot site Pharmacy Assistant, Pharmacy Department, TUH

TUH Renal Department Research Group

In 2022 Prof Mallett had 18 papers accepted and the THHS renal research team has continued to develop. Several projects are coming to their conclusion with new ones looking to soon commence.

Key Researchers

- Prof Andrew Mallett
- George Kan
- David McIntryre

Key Collaborations

- KidGen Collaboration,
- Australian Genomics, ClinGen,
- Princess Alexandra Hospital, Urology,
- Australasian Kidney Trials Network,
- Westmead Hospital Nephrology/WIMR,
- Garvan Institute,
- University of Newcastle (UK),
- Monash University/ASPREE Consortium

Oral Presentations

- ASPREE Consortium Seminar, Virtual, 7/12/22, Association of polygenic scores with kidney disease phenotypes in the ASPREE cohort
- Fiona Stanley Hospital Nephrology Dept Seminar, Perth, 24/11/22, Kidney Genetics
- HGSA Cancer Special Interest Group Seminar, Virtual, 16/11/22, Statewide multidisciplinary care for Hereditary kidney cancer disorders In Queensland

Research Groups

Townsville Cancer Centre Researchers

2022 was a productive research year for Townsville Cancer Centre researchers, despite the COVID challenges, with over 20 active clinician-led/departmental projects, 18 peer-reviewed publications, numerous presentations and posters at a national and international level, and 3 successful SERTA funding applications.

Our clinical trials unit had 73 active studies with over 200 patients across Medical Oncology, Haematology and Radiation Oncology, including Phase 1B to 3 trials, and a mix of approximately 40% sponsored and 60% collaborative groups/university studies. The team achieved their best financial year to date in 2022 raising over \$1.35m in revenue from trial activity.

The team now includes 7 higher degree research (HDR)-qualified members, with Dr Marcus Powers the latest to complete a PhD in 2022.

Key Researchers

Medical Oncology

Abhishek Joshi Corinne Ryan Sabe Sabesan

Sebastian Kang Wen Zhi Shivanshan Pathmanathan

Suresh Varma Zulfiquer Otty

Haematology

Andrew Birchley Edward Morris Hock Choong Lai Jane Royle Joel Wight John Casey

Palliative Care

Claus Bader Ofra Fried Richard Corkill

Across Townsville Cancer Centre

Amy Brown Georgia Slapp

Radiation Oncology

Amber Scull Ariadne Shoobridge Ashley Shackleford Bronwyn Shirley Chantelle Fisher Chris Rumley **Daniel Xing** Debbie Mentor Deepti Patel Dionee Liefman Glen Newman Glenn De Vinne James Gallo Jessie McKinnon John Baines **Keeley Robinson** Laura Baker Linda Marsh

Marcus Hu
Marcus Powers
Mitchell Duncan
Peter Stokes
Ravi Marwah
Robert Crane
Savannah Brown
Shannon Robards
Stephen Gibson
Sue Hewitt

Tim Squire

Madhavi Chilkuri

Marchant van der Walt

Clinical Trials

Anne Hartshorn Smith
Fatosh Priest
Jenny Walsh
Judith Page
Kareela Campbell
Kelly Gifford
Kim Pattinson
Melanie Taylor
Nicole Chapman
Rachel Doyle
Sharon Lazzaroni
Steven Capell

Research Groups

Collaborator	Project
Prof Sabe Sabesan	Associate investigator on the Smarter Hospitals NHMRC Partnership Project
TCC Medical Oncology and Radiation Oncology	Participating site in the "Patient Reported Outcome Measures in cancer care: a hybrid effectiveness-Implementation trial to optimize Symptom control and health service Experience" study, coordinated and sponsered through QIMR Berghofer Medical Research Institute, commencing patient recruitment in May 2022.
Radiation Oncology	Supported three external HDR student collaborations – one QUT honours student in radiation therapy, one JCU PhD student in engineering with radiation oncology applications, one University of Wollongong PhD student in medical physics.

Oral Presentations

- A total of seven abstracts and one poster were presented by TCC Radiation Therapists at the Australian Society for Medical Imaging and Radiation Therapy national conference (19-22 May 2022; Cairns, Australia)
- Stephen Gibson (Radiation Oncology Medical Physicist) presented an abstract entitled "Seeing the Beam: First-Time Imaging of the B0 Variation" at the 2022 Worldwide MRL Consortium (3-5 June, 2022; Texas, USA)
- Zulfiquer Otty (Medical Oncologist) presented a poster entitled "Clinicians' perspectives on lung cancer referral pathway in a regional health service" at the Clinical Oncology Society of Australia ASM (2-4 November 2022; Brisbane, Australia)
- Amy Brown (Research Fellow) presented a keynote address at the 2022 TropIQ Research symposium entitled "Meaningful Consumer Engagement in Health Research: A Call to Action" (15 November 2022, Townsville, Australia)

Gastroenterology

The Gastroenterology Department was active in 2022 on a number of audit projects including:

- Guideline for Periprocedural Management of adult outpatients with Diabetes Mellitus having day endoscopic procedures.
- Food Bolus Impaction retrospective audit
- Hepatitis B cascade of care
- HCC clinical audit commencing

In addition, the Department won a SERTA Grant 50,000. Establishing the North Queensland Liver Tumour Library: Improving HCC detection and management (with A/Prof Lionel Hebbard). The creation of the biobank with JCU is continuing to support the expansion of liver cancer research activity within the health service.

Key Researchers

Rozemary Karamatic

Principal Investigators	Department	Study Title
Dr Abhishek Joshi	Medical Oncology	A Multi-centre, 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 Trial
		Short Title: MK-3475-587
Dr Abhishek Joshi	Medical Oncology	DECRESCENDO: De-Escalation of adjuvant ChemotheRapy in HER2-positive, EStrogen receptor negative, Node-negative early breast cancer patients who achieved pathological complete response after neoadjuvant chemotherapy and Dual HER2 blOckade
Dr Abhishek Joshi	Medical Oncology	LIBRETTO-432: A Placebo-controlled Double-Blinded Randomized Phase 3 Study of Adjuvant Selpercatinib following Definitive Locoregional Treatment in Participants with Stage IB-IIIA RET fusion-Positive NSCLC
		Short Title: J2G-MC-JZJX (LIBRETTO-432)
Dr Chisom Aghanwa	Emergency	Falls and osteoporotic fracture risk factor evaluation
Dr Corinne Ryan	Medical Oncology	A Phase III, Randomized, Open-Label, Multicenter Study Evaluating the Efficacy and Safety of Adjuvant Giredestrant Compared With Physician's Choice of Adjuvant Endocrine Monotherapy in Patients With Estrogen Receptor-Positive, Her2- Negative Early Breast Cancer
		Acronym: GO42784
Dr Emma Wawn	Emergency Intensive Care	Australasian Resuscitation In Sepsis Evaluation: FLUid or vasopressors In emergency Department Sepsis
Dr George Kan	Nephrology - Renal	Comprehensive Geriatric Assessment for Frail Older People with Chronic Kidney Disease to Increase Attainment of Patient-Identified Goals - A Cluster Randomised Controlled Trial
		Short Title: GOAL trial
Dr Hock Lai	Haematology	A phase I/II single arm study of combination Belantamab Mafodotin, Carfilzomib, Dexamethasone in patients with early relapsed multiple myeloma
		Acronym: BelaCarD study
Dr Joel Wight	Haematology	Investigating the mechanisms of immune evasion in relapsed/refractory lymphoma

Principal Investigators	Department	Study Title
Dr Joel Wight	Haematology	Investigating the mechanisms of immune evasion in relapsed/refractory lymphoma
Dr Joel Wight	Haematology	A Phase 1b Study of ABBV-744 Alone in Combination with Ruxolitinib or Navitoclax in Subjects with Myelofibrosis
		Acronym: M20-247
Dr John Baines	Radiation Therapy	Internal Organ Motion Prediction in MRGRT
Dr John Mason	Gastroentorology	An audit of the safety and efficacy of non-anaesthesist—administered sedation using midazolam and fentanyl versus propofol with or without midazolam/fentanyl for low risk endoscopic procedures
Dr Justin Smith	Medical Workforce	Costs of Surviving Cancer Sub-Study – Healthcare Cost of Head and Neck Cancer
Dr Kunwarjit Sangla	Diabetes & Endocrinology	STatewide INpatient Glucometric benchmarking of 12 Queensland hospitals (STING)
Dr Liza van Eijk	Neurology	Examining the Clinical Utility of Quantitative MRI for Patients with Relapsing-Remitting Multiple Sclerosis
Dr Michelle Fitts	Rehabilitation Services	Aboriginal and Torres Strait Islander women with traumatic brain injury related to family violence: Exploring service provider perspectives.
Dr Mike Boggild	Neurology	Multiple Sclerosis Epidemiology in Townsville
Dr Mike Boggild	Neurology	Reducing the frequency of Autoimmune adverse events in the treatment of Multiple sclerosis with alemtuzumab using B-celL dEpletion (RAMBLE): a phase II/III, randomised, placebo-controlled clinical trial
Dr Rajesh Sehdev	Emergency	Staff experiences about wellness activities at a major referral Emergency Department (ED) in regional Queensland: A qualitative descriptive study.
		Wellbeing in ED Study (WELL-ED)
Dr Ravindra Urkude	Neurology	Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy, Safety, Pharmacokinetics, and Pharmacodynamics of Nipocalimab Administered to Adults with Generalized Myasthenia Gravis

Principal Investigators	Department	Study Title
Dr Suresh Varma	Medical Oncology	Alternating oxaliplatin and irinotecan doublet schedules versus continuous doublet chemotherapy in previously untreated metastatic colorectal cancer: A Treatment of Recurrent and Advanced Colorectal Cancer registry-based prospective randomised trial (ALT-TRACC)
Dr Suresh Varma	Medical Oncology	An Open-label Randomized Phase 3 Study of Tucatinib in Combination with Trastuzumab and mFOLFOX6 versus mFOLFOX6 given with or without either Cetuximab or Bevacizumab as First-line Treatment for Subjects with HER2+ Metastatic Colorectal Cancer
		Short Title: SGNTUC-029 (MOUNTAINEER-03)
Dr Sutrisno Gunawan	Intensive Care Unit	DCIEM dive computer algorithm field validation study
Gullawali	Emergency Department	Acronym: DDIV
Dr Tanya Mellett	Emergency	Evaluation of older patients with minor blunt head trauma to identify those who do not have clinically important Traumatic Brain Injury and can be safely managed without cranial Computed Tomography.
		Short Title: Study of Imaging in Geriatric Head Trauma (SIGHT)
Dr Vikas Srivastava	Renal	Symptom monitoring WIth Feedback Trial (SWIFT). A Registry-Based Cluster Randomised Controlled Trial to determine the clinical effectiveness and cost-effectiveness of symptom monitoring with feedback to clinicians compared with standard care in improving quality of life outcomes at 12 months for adults on haemodialysis
		Acronym: SWIFT
Dr Vikas Srivastava	Renal	Pragmatic randomised trial of High Or Standard PHosphAte Targets in End-stage kidney disease (PHOSPHATE)
Dr Vinay Gangathimmaiah	Emergency	Impact of low value healthcare at Townsville University Hospital Emergency Department on patient flow and workflow efficiency: A prospective observational cohort study
		Short Title: Study Of Low Value Emergency Department care (SOLVED)

Principal Investigators	Department	Study Title
Dr Vinay Gangathimmaiah	Emergency Department	Management of possible cervical spine injury in paediatric patients in rural and regional emergency departments in Australia: a retrospective cohort study
Dr Vinay Gangathimmaiah	Emergency	Characteristics and outcomes of poisoned patients presenting to North Queensland Emergency Departments: A retrospective cohort study
Dr Zulfiquer Otty	Medical Oncology	PRoCESS: Pancreatic cancer Relatives Counselling and Education Support Service trial. Assessing the effect of nurse-led counselling, compared with information alone, on participant-reported outcomes and use of medical services
		Short Title: The PRoCESS Trial
Dr Zulfiquer Otty	Medical Oncology	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
		Acronym: R2810-ONC-1788
Dr Zulfiquer Otty	Oncology	PET-MET: Retrospective analysis of the ENZAMET cohort - Utility of PSMA PET scan quantitation and CT radiomics as prognostic and predictive biomarkers.
		Acronym: PET-MET Protocol Number: ANZUP1304-TRO6
Dr Zulfiquer Otty	Medical Oncology	KRYSTAL 012 A Randomized Phase 3 Study of MRTX849 versus Docetaxel in Patients with Previously Treated Non-Small Cell Lung Cancer with KRAS G12C Mutation.
Mr Glen Newman	Radiation Oncology	Evaluation of the impact of a radiation therapist-led model of care for Magnetic Resonance Linac adaptive cancer treatments
Mrs Amy Brown	Radiation Therapy	Evaluation of the utilisation of a 6 degree of freedom couch
Mrs Melinda Gusmeroli	Pharmacy	General Practitioners' views on the qualities that make up effective discharge communication from hospital to general practice: a cross sectional survey study and quantitative analysis

Principal Investigators	Department	Study Title
Ms Cindy Sealey	Recruiting medical, nursing & midwifery and allied health clinicians across whole of TUH	RATE-PCP: aRe we doing whAT we say wE are? Person-Centred Practice in a regional tertiary hospital.
Ms Maree Raymer (RBWH)	Rehabilitation Services	Matching multidisciplinary care to patients needs in the statewide Neurosurgical and Orthopaedic Physiotherapy Screening Clinics and Multidisciplinary Service (N/OPSC&MDS) - Study 2
Prof Andrew Mallett	Renal Unit	A Phase IIb Randomized, Double-Blinded, Placebo-Controlled, Dose-Ranging Study to Evaluate the Efficacy and Safety of Atacicept in Subjects with IgA Nephropathy (IgAN) Short Title: Atacicept in Subjects with IgA Nephropathy (ORIGIN)
Prof Usman Malabu	Diabetes & Endocrinology	Effect of GLP-1 receptor agonists on renal and cardiovascular risk factors in patients with Type 2 Diabetes Mellitus at the Townsville University Hospital: a retrospective cohort study

Mental Health Service Group

The Mental Health Service group has continued to grow research capabilities with a number of staff being supported in postgraduate Masters and Doctor of Philosophy studies. Supporting staff in research activity and higher education to develop research skills helps to develop capability and increase collaborative research. We have several developing research projects within medicine, allied health and nursing in collaboration with other partners such as JCU. We have also seen an increase in publications and research outcomes.

Regular research meetings and a research café have commenced. This is slowly seeing increased staff engagement in research. The team continues to support staff in developing research protocols, ethics applications and conducting literature reviews and endnote training. This research support has led to some of our emerging research projects in community mental health competency, restrictive practice, rehabilitation, and acute mental health areas.

We have received ethics approval for evaluation of wise choices groups — a collaboration between Queensland Health and a non-government organisation. The service has seen one clinician receive a SERTA grant to increase research capacity within the child mental health early years research area. This grant has enabled us to appoint a clinical research coordinator to support the child and youth mental health service in their research activity over the next two years. We are very proud of our staff research activity this year.

Ann Marie Mallett

Service Group Director Mental Health Service Group

Research Groups

In 2022 the Mental Health Service Group saw an increase in research activity and development of collaborative relationships with JCU College of Healthcare Sciences.

The MHSG Senior Research Officer established a research cafe as an opportunity for staff interested in research to meet, support and collaborate. Focused 1:1 meeting time have also been utilised by staff who are completing post graduate studies and needing support to develop their workplace research projects. Other training support has included utilising endnote, preparing for systematic or integrated literature reviews, developing a research project, writing a research proposal and navigating ethics and research governance.

As we continue to build our capability, we hope to see more research being conducted within our service group. A number of exciting projects are being developed or commenced in 2022 including a Systematic Review of Queensland Coronial Inquiries related to Mental Health Services 2004 - 2023 (Richardson, C. & McCann,M.). This project is a comprehensive longitudinal review of coronial cases in Queensland. It is anticipated that this systematic review will assist in identifying and collating emerging themes, issues and recommendations that may benefit other services in their service development and quality activities.

Key Researchers

- Corianne Richardson (Senior Research Officer)
- A/Prof Carlo Longhitano
- Sonia Morshead
- A/Prof Mark Mayall
- Elizabeth McNamara
- Dr Raya Sadhu
- Dr Annette Wilkinson

Key Collaborations

Collaborator	Project
Corianne Richardson (MHSG) & Dr Tanya Langtree (JCU)	Collaboration focused on building nursing research with planning for future collaborative research projects 2023-25.
Sonia Morshead is working with Gail Kingston (TIHRI)	Telehealth Allied Health Project
A/Prof Mark Mayall, Dr Raja, Dr Wilkinson and Liz McNamara collaborated with Oxford University (Professor James Scott) and others	A multicentre research project High Risk Autoimmune Psychosis Study

Oral Presentations

• Firth, N. et al (2022) Planning for the Worst: Evaluation of the Natural Disaster Management Procedure for the Opioid Dependence Treatment Program in the THHS district. Townsville, Queensland.



Townsville University Hospital consultant psychiatrist Dr Hayley Maher and colleague Dr Emily Martin from Royal Brisbane and Women's Hospital were jointly awarded the 2022 Royal Australian and New Zealand College of Psychiatrists' annual Addiction Psychiatry Prize. The prize recognised the pair's work on a systematic review published in the Journal of Substance Abuse Treatment which investigated the social outcomes of a long-acting injectable buprenorphine for opioid use disorder.

Addiction psychiatry is a growing and evolving field, with increasing recognition of the impact that widespread opioid dependence is having on populations. Not only does prolonged and problematic use of opioids impact the physical and mental health of people, but the pair also highlighted through their research that it has significant impact on social factors including a person's capacity to maintain employment, stable housing, and the risks of social exclusion, criminality and incarceration.

Current gold standard treatment for Opioid Use Disorder (OUD) includes the need for medication to be collected by patients, often daily, earning it the name "liquid handcuffs". As a result of the demands of adhering to the medication regime, retention in OUD programs is low.

With long-acting (weekly and monthly) injectable medications coming online in place of daily dosing, the team was interested to understand the extent to which patients were inclined to remain on their treatment programs, the effects that this had in promoting abstinence, and its impact in turn on social determinants of health including employment, education, ability to focus on the care of children, and social equity.

The review initially identified 9,253 studies from which the team ultimately identified 15 publications, representing data from 2,293 participants. The study identified that many participants found long-acting injectable treatments more convenient, supporting their ability to manage employment and childcare responsibilities without the disruption and stigma associated with daily dosing. While individual patient factors play an important role in determining treatment preferences, and while long-acting injectable medications will not suit everyone, the study provided an important step in understanding the impact of different treatment regimes on people's lives, opportunities and ability to break the addiction cycle.

You can find the full version of the research paper <u>here.</u>

Principal Investigators	Department	Study Title
Dr Amuthanila Kasianandan	ATODS	Understanding use of Pregabalin among consumers of Alcohol, Tobacco and other drug service in a regional city of Australia
Dr Muhammad Saifulrudin Jamaludin	Older Persons Mental Health	Knowledge and attitude of staff in managing behaviour and psychological symptoms of dementia in regional residential aged care facilities: A cross sectional survey.
Ms Cindy Sealey	Recruiting medical, nursing & midwifery and allied health clinicians across whole of TUH	RATE-PCP: aRe we doing whAT we say wE are? Person-Centred Practice in a regional tertiary hospital.
Sue Holley	Mental Health Occupational Therapy	Understanding the experience and impact of subspecialty group membership on occupational therapists working in Queensland Health mental health services.

Pathology Queensland

Pathology testing is a vital part of diagnostic Medicine. It has been estimated that up to 70% of all diagnoses depend upon Pathology for reliable and accurate clinical assessment.

Over time however, there has been a gradual increase in the requests for a variety of pathology tests which can lead to undue dependence on results that may not reflect actual disease.

In addition, there may be discomfort to the patient and cost to the health service.



Research Groups

Microbiology and Infectious Diseases Research Group

Over recent years the THHS team has been involved in research that has shown certain tests are of questionable value including:

- C-Reactive protein on admission via ED. This has been shown to not influence the diagnosis or early management of sepsis or an infective process.
- The Legionella urinary antigen test. This has been shown to have a low yield as it only detects L.pneumophila.
- The Syphilis IgM assay does not reliably predict congenital syphilis.
- The Syphilis PCR test is unnecessary in our population because syphilis serology in this population is usually positive at presentation in our region.

Other Areas of Research

- Melioidosis Diagnostics, Relationship to weather events, Antimicrobial susceptibility, Epidemiology in this region
- The Neonatal faecal microbiome Associations with supplements and prematurity.
- Q fever
- Rheumatic fever diagnostics
- CMV in pregnancy

The Microbiology and Infectious Diseases Research Group, led by Dr Rob Norton, had an active year in 2022, delivering:

- Peer reviewed Publications 11;
- Book Chapter on Q fever and hepatitis;
- Collaborations with multiple TUH Departments (Paediatrics, Emergency, Infectious Diseases); and
- Collaborations with other national researchers (including the University of New England, James Cook University, and the University of Queensland).

Key Researchers

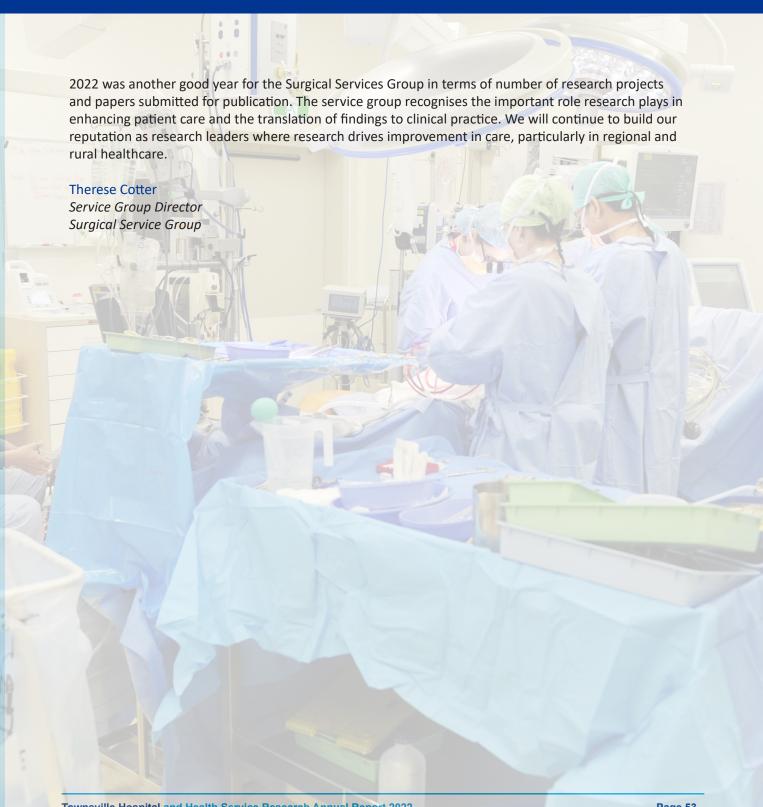
- Robert Norton
- Christopher Heather

Oral Presentations

• Gassiep I, Norton R. Burkholderia pseudomallei – Laboratory identification and safety in the MALDI-TOF era. Australian Society for Microbiology/Clinicon. ASM. 11th-14th July 2022. Sydney



Surgical Service Group



Research Groups

Queensland Research Centre for Peripheral Vascular Disease

The QRCPVD has continued its active program of research, trials and publication, with work in 2022 featuring:

- Clinical Trial Metformin Aneurysm Trial (MAT)
- Clinical Trial Metformin for Treating Peripheral Artery Disease-Related Walking
- Impairment (MERIT)
- The Holistic Peripheral Artery Disease Management Trial (OPTIMAL)
- Remotely providing healthcare for diabetic foot disease (TeleDFD)

Key Researchers

- Professor Jonathan Golledge Chief Principal Investigator/Director
- Dr Rene Jaggi Global Project Manager
- Ms Alkira Deren Clinical Research Officer
- Dr Annabelle Kavanagh Senior Clinical Research Worker
- Dr Shiv Thanigaimani Post Doctoral Research Scientist
- Dr Joseph Moxon Statistician/Associate Dean, Research (JCU)
- Ms Ratnesh Gilhotra Clinical Trial Coordinator
- Mr Cedric Hensman Systems Database Officer
- Mrs Glenys Standley Clinical Research Worker
- Mrs Sandra Burrows Research Administration Project Officer
- Mrs Alexandra Golledge Research Worker
- Ms Claire Ackroyd Clinical Research Worker
- Mr Raghuveeran Anbalagan Clinical Research Worker
- Ms Ashleigh Gunn Research Exercise Physiologist

Key Collaborations

- College of Medicine & Dentistry, James Cook University
- The George Institute for Global Health
- TAIHS
- Townsville Hospital and Health Service
- Sunshine Coast University
- University of Otago
- University of Leicester

Oral Presentations

- Best methods to achieve smoking cessation: Challenging but worthwhile. Golledge J. Keynote Speaker. Translating Guidelines into Practice: Global Vascular Guideline on the Management of Patients with CLTI 2022.
- Risk of major amputation in patients with intermittent claudication undergoing early revascularisation. Golledge J. Keynote Speaker. Charing Cross Symposium 2022.
- Effect of telmisartan on AAA rupture risk assessed through peak wall stress in a randomised trial. Golledge J. Keynote Speaker. 70TH ESCVS CONGRESS & 7TH IMAD MEETING 2022.
- Athero-occlusive disease and AAA progression- what is the relationship? Golledge J. Keynote Speaker. 70TH ESCVS CONGRESS & 7TH IMAD MEETING 2022.
- Unrealised potential of intensive low density lipoprotein- cholesterol reduction in patients with small AAA. Golledge J. Keynote Speaker. 70TH ESCVS CONGRESS & 7TH IMAD MEETING 2022.
- Metformin aneurysm trial. Golledge J. Keynote Speaker. 2022 Sino-Australia Global Health and Tropical Medicine Symposium.
- The potential for secondary prevention of diabetes-related foot disease. Golledge J. Keynote Speaker. Wounds Australia 2022 Conference.
- Latest Vascular Research. Golledge J. Keynote Speaker. Royal Australasian Congress 2022.
- Ongoing clinical trials aimed to improve outcome of vascular disease. Golledge J. Keynote Speaker. Queensland Vascular Audit 2022.
- Queensland Cardiovascular Research Network (QCVRN) CQU/JCU Research Showcase. Golledge J. Conference Convenor. 2022.
- Assessment of technical safety and PICO. Golledge J. Keynote Speaker. PASC sub-committee of the Medical Services Advisory Committee 2022.

Orthopaedic Research Institute of Queensland

The Orthopaedic Research Institute of Queensland (ORIQL) continues to invest into the health of patients suffering from musculoskeletal disease. As with prior years, the research objects for 2022 focused on research outcomes that influences immediate clinical care. The investigators adopted a combination of prospective clinical trials, utilization of the Databank for retrospective trials and supporting evidence-based research (systematic reviews) to achieve research outcomes. The findings from many of the publications demonstrated how evidence-based research can inform clinical practice and how it can be used to inform current clinical practice, be used as a basis for clinical decision making to ensure the optimal delivery and improve the quality of care provided to patients.

Key Researchers

- Dr Peter McEwen (Director)
- Assoc Prof. Kaushik Hazratwala (Director)
- Dr Matthew Wilkinson (Director)
- Dr Levi Morse
- Dr Andrew Stillwell,
- Dr Stephen Nicol,
- Dr Ben Parkinson,
- Dr William O'Callaghan,
- Dr Constantin Dlaska.
- Dr Alexander Mitrichev
- PHO's (Investigators) Dr Scott LeRossignol, Dr Finley Cusack,
- Fellow and Investigator: Dr Brent Matthews,
- Research Associates: Dr Kenji Doma, Dr Petros Ismailidis and Dr Sergio Barosso Rosa,
- Research Coordinator: Andrea Grant

Research Groups

Key Collaborations

- Dr Peter McEwen Collaboration with Heart Trauma and Sepsis Laboratory, JCU (Prof Dobson, Dr Letson, Dr Morris) in addition to representative to the Australian Knee Society on the Australian Orthopaedic Association National Joint Registry
- Investigators of ORIQL and College of Health Care Sciences, JCU (Dr Doma and Dr Connor)
- Dr McEwen, Dr Morse, Assoc. Prof Hazratwala, Adjunt associates with JCU
- Dr Wilkinson Adjunct associate with University of Tasmania
- Our surgical fellowships collaborate with the following institutions: Stryker Orthopaedics, Zimmer Biomet, Device Technologies, Arthrex, Lima Orthopaedics.

Oral Presentations

- Shoulder and Elbow Society Annual Meeting, March 31st 2022. Accuracy of Patient-Specific, Image Derived Instrumentation in Glenoid Prosthesis Positioning: A Randomised Controlled Trial in Reverse Total Shoulder Arthroplasty Dr Benjamin Brandon,
- The Efficacy of tropical preparations in reducing the incidence of Cutibacterium Acnes at the start and conclusion of TSA: An RCT Dr Tristan Symonds,
- A 3-arm randomised clinical trial comparing the efficacy of three regional anaesthesia techniques in shoulder arthroscopy, Dr Matthew Wilkinson Australian Orthopaedic Association Annual Scientific Meeting (AOAASM), 30th October 2022,
- Image-Derived Instrumentation versus conventional instrumentation with 3D planning for glenoid component placement in reverse total shoulder replacements: a randomised controlled trial Dr Scott LeRossignol;
- Predicted Net Gain Of Patient Reported Outcome Scores As Pre-Operative Tests For Satisfaction After Total Knee Arthroplasty - Dr Finley Cusack;
- Patient reported outcomes and range of motion with and without subscapularis repair in reverse total shoulder arthroplasty: a retrospective review. Dr Scott LeRossignol;
- The evolution of my alignment technique in TKA Dr Peter McEwen;
- Short term results of stemless reverse total shoulder replacements with three-dimensional planning and image derived instrumentation: a retrospective matched case control study Dr Scott Lerosignol;

Critical Care Research Group

The Critical Care Research Group was involved in the following studies in 2022:

Multi-centre International Projects:

- 1. ANZ PARK-PICU study, Prevalence of Acute Rehab for Kids in the PICU
- 2. KIDS THRIVE project
- 3. RAPIDS project
- 4. FEISTY Junior
- 5. PROMPT BOLUS (via PREDICT network)

Key Researchers

- Siva Senthuran
- Arjun Chavan
- Sananta Dash
- April Win
- Stephen Whebell
- Lachlan Quick
- Sutrisno Gunawan
- Soon Teoh

Key Collaborations

Collaborator	Project
Jamieson Trauma Institute and UQ RBWH CSIRO,	PREDICT TBI - a multi centre MRFF funded study being run from the Jamieson Trauma Institute and UQ (with Dr Siva Senthuran as the PI). The study aims to develop a prognostic model for traumatic brain injury patients using novel biomarkers and MRI imaging at various time points after the injury. The study funds a 0.5FTE research coordinator position which enables us screen and recruit patients.
ANZICS Research Centre RBWH	CLIP 2 This study being run from the ANZICS Research Centre in Melbourne (with Dr April Win as PI) aims to compare the suitability of frozen platelets against conventional liquid platelets in the treatment of bleeding after cardiac surgery. If the study shows equivalence, patients in remote locations who are bleeding can be treated with thawed frozen platelets which would normally not be available there. Dr Win and her team have been recognised nationally as the second highest recruiting centre for the study at the ANZICS CTG meeting in Noosa in March 2023. They have also been invited to Melbourne to share their experiences in running the study.
Fiona Stanley Hospital Perth The George Institute Sydney	The NOTACS study (Dr Sananta Dash as PI) seeks to explore the impact of nasal high flow oxygen in preventing pulmonary complications after cardiac surgery. A substudy is upskilling an Indigenous research assistant and aims to explore the themes of 'consent' and 'home' amongst Indigenous patients undergoing cardiac surgery. This study is about to commence having received approvals. This study is also funded through the MRFF.

Research Grants Awarded

- BET-L-POCUS: Brief Educational Training for Lung evaluation using point of care Ultrasound by undergraduate medical students- Chief Investigator – Phase 1 completed, Phase 2 to be commenced
- PPE Recycling study- evaluating recycling of masks in extenuating circumstances using hydrogen peroxide and UVGC- Chief investigator, Arjun Chavan
- Fit Mask Study: Facial characteristics impacting the selection of N95 masks and the role of Al based algorithm- Chief investigator, Arjun Chavan
- Vanik study (SERTA grant awarded)- Achieving optimal vancomycin dosing in children (including ATSI) presenting with MRSA lung infections

Oral Presentations

• Whebell, S. EuroELSO 2022 6/5/2022 - Survival Benefit of Extracorporeal Membrane Oxygenation in COVID-19, QCCRN 6/10/22 - Machine Learning in Intensive Care

Heart-starting Research Has Life-saving Potential

Cardiac scientist Nathan Engstrom teamed up with senior research colleagues Professor Geoffrey Dobson and Dr Hayley Letson from James Cook University to investigate the potential for a new marker to be used in selecting patients who require an implantable cardioverter-defibrillator (ICD) to prevent a cardiac arrest after suffering heart failure.

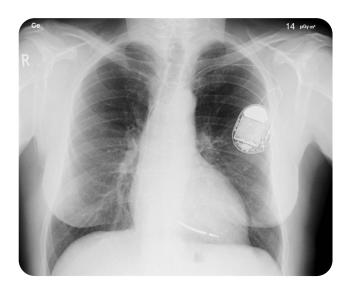


Heart failure patients have a fivefold increased risk of developing abnormal heart rhythm (arrhythmia). An ICD is a battery-powered device placed under a patient's skin that keeps track of their heart rate and, if an arrhythmia is detected, the device will deliver an electric shock to restore a normal heartbeat. Nathan identified that, "As a cardiac scientist working in the device clinic, I've seen a lot of patients fitted with an ICD, in line with the current medical guidelines, who did not experience an arrhythmia post-implant." This means, an ICD may not have been the most appropriate type of care for their condition. "Patients with ICDs require lifelong appointments and hospital care, the devices need to be replaced every few years through an invasive surgery, and there is a small risk of the device being tricked which can give an electric shock when not needed"

Through a pilot study, conducted in 2020, Nathan demonstrated that only 20% of patients with an ICD experienced an arrythmia post-implant and therefore benefited from the device fixing their ventricular arrhythmia, while another 14 per cent experienced some form of inappropriate therapy from their device firing when not required.

Informed by his pilot study, Nathan and the team conducted a major systematic review and meta analysis which explored whether an alternative and more discerning method could be used to predict patients at risk of life-threatening ventricular arrhythmia who are most likely to benefit from an ICD. The team investigated studies which fragmented QRS (fQRS) was identified on patients' electrocardiograms, suggesting the presence of myocardial scarring.

fQRS has previously been shown to be an arrythmogenic marker in congenital and family acquired heart disease, but its use as a marker for predicting ventricular arrhythmia had not been confirmed.



Ten studies involving the results of 3,885 patients were ultimately included in the analysis with the team producing the first ever synthesised evidence showing that fQRS may be significantly associated with ventricular arrhythmia amongst patients who have experienced heart failure.

Further research is planned in order to confirm whether fQRS can be reliably used as a diagnostic marker in determining heart failure patients who are at risk of ventricular arrhythmia and are therefore suitable candidates for ICD implantation.

You can find the full version of the research paper here.

Persistent Pain

Key Researchers

- Alison Beeden (Principal Investigator / Allied Health Team Leader)
- Shereen Gilmore (Senior Psychologist)

Principal Investigators	Department	Study Title
Dr Alexander Mitrichev	Orthopaedics	Randomised controlled trial of tourniquet associated pain generated in lower limb after exsanguination by Esmarch bandage versus leg elevation
Dr Emma Wawn	Emergency Intensive Care	Australasian Resuscitation In Sepsis Evaluation: FLUid or vasopressors In emergency Department Sepsis
Dr Joseph Whittle	Orthopaedics	Outcomes after Anterior Capsular Injury Repair in Acute Ankle Fractures Following Arthroscopic Diagnosis
Dr Raibhan Yadav	Cardiology	Same-day discharge following elective percutaneous coronary intervention in Queensland public hospitals, Australia: A retrospective observational study using routinely-collected health data.
Dr Siva Senthuran	Critical Care Services Cardiac Services	Effect of Nasal High-Flow Oxygen Therapy on Patient-Centred Outcomes in Patients at High Risk of Postoperative Pulmonary Complications After Cardiac Surgery: A Multicentre Randomised Controlled Trial
		Short Title: Nasal High-Flow Oxygen Therapy After Cardiac Surgery (NOTACS) Trial
Dr Siva Senthuran	Intensive Care Unit	The effect of CRRT commencement on urine output. A single-centre retrospective observational study
		Short title: DUOH Trial
Dr Siva Senthuran	Intensive Care	Drug-induced liver injury in the intensive care unit. A multi-centre retrospective observational study.
		Acronym: DILI in the ICU
Dr Siva Senthuran	Intensive Care Unit	Prediction and Diagnosis using Imaging and Clinical Biomarkers Trial in Traumatic Brain Injury (PREDICT-TBI)
Dr Sumit Yadav	Cardiac	Australasian Cardiac Outcomes Registry Ltd TAVI Registry
		Short Title: ACOR TAVI Registry

Principal Investigators	Department	Study Title
Dr Sutrisno Gunawan	Intensive Care Unit Emergency Department	DCIEM dive computer algorithm field validation study Acronym: DDIV
Dr Thomas Young	Maxillofacial Surgery	Outcomes after surgical management of bilateral mandibular angle fractures
Dr Yu-Chia Chou	North Queensland Persistent Pain Management Service	The comparative effectiveness of diagnostic supra scapular nerve blocks and pulsed radiofrequency neurotomies in nociceptive shoulder pain.
Ms Cindy Sealey	Recruiting medical, nursing & midwifery and allied health clinicians across whole of TUH	RATE-PCP: aRe we doing whAT we say wE are? Person-Centred Practice in a regional tertiary hospital.
Prof Jonathan Golledge	Vascular Surgery	Assessment of the impact of a Telehealth program for the control of modifiable risk factors in people at risk of Diabetes-related Foot Disease (The Tele-DFD trial)

Human Research Ethics Committee

The year 2022, for the THHS Human Research Ethics Committee (HREC) as well as the Health Service and the community as a whole, was dominated by the COVID-19 continuing community outbreaks in the Townsville region. We were called upon to contribute to this emergency response by deploying the HREC coordinator for 3 months to assist with hospital response. This had an impact on our ability

to respond in a timely manner to applicants, especially regarding annual reports and amendment requests, but was necessary and well justified to support the health service. Ethics applications did drop off in the early part of the year and had not completely resumed normal activity level even by year's end.

The HREC maintains two rosters of members to ensure timely turnaround of applications without overloading individual members. We have been fortunate to have continually found experts from all categories of potential members; lay, legal, faith-bases, as well as clinical and research-experienced, willing to serve. Reviewers spend a great deal of time on each application, and frequently do their own literature reviews to cross-check elements of applications presented to us. We have also called on experts from outside the HREC to give us an independent expert opinion on research merit.

As part of my role as the Committee chair, I assisted for the 3rd year in a row in planning and presenting the national HREC conference, 23-25 November. With a theme of Ethics in Contemporary Society – A Global Perspective, more than 840 HREC chairs, members, researchers, academics, and health services administrators attended. Attendance has

increased greatly over the three years of the conference. That and

survey responses show that it is considered a valuable resource and opportunity to share

information and gain skills. I chaired a session on Global Research Ethics and participated in the Future of HRECs workshops with which the conference

culminated.

THHS HREC wrestled with the long-standing issue of differing interpretations of the National Statement on Ethical Conduct in Human Research (2007, updated 2018) (the National Statement).

Differing opinions that arise when other Ethics committees located far from our unique cultural demographics), raise no objections to studies that do not meet the high standards set locally to champion the rights of our Aboriginal and Torres Strait Islander communities. We continue to support the right of our local First Nations leaders to deny approval of any study that falls short of these standards.

At present there is no ultimate arbiter to resolve such conflicts, therefore THHS HREC has been increasingly vocal in our endeavours to block a nationwide research project that attempted to progress without our approval.



Our HREC continues, appropriately, to be a lead for reviewing First Nations targeted research, with emphasis on the research team providing proof of support and engagement with Aboriginal and Torres Strait Islander community leaders at the listed sites of their research. We are certified at a higher level than any other Australian HREC, a testament to the level of expertise across disciplines within the committee.

Townsville is becoming increasingly a centre for advanced research, not only in tropical diseases but in all aspects of health care and disease prevention, including public health, allied health, pharmacology, in fact all areas of STEM. We are also seeing an increase in data linkage and registry studies, and an increase in complexity of applications, with novel designs and new variants of the standard clinical trial format.

Central to the Committee's functioning is our Coordinator. Sara Potts has filled this role for many years, but has now been seconded to Torres and Cape Hospital and Health Service on a project expected to take a minimum of 6 months. She has been succeeded by Kelly Parker filling the role in an interim status. Ms. Parker has filled this role in the past, and has demonstrated a high degree of competence, commensurate with that of Ms. Potts, and so committee functioning continues at a high level. This is also due to the contributions of our two Deputy Chairs, Wendy Smyth and Mary Leech, clinicians and researchers in their own right.

Many people working in health research view an ethics committee as being responsible solely for protection of human subjects. While this protection is an essential, core element of HREC responsibility, under the National Statement Australian HRECs are also charged with evaluating an application's scientific merit - firm groundings in published science and what is already known about a research question, sound plans for answering a research question, and appropriately rigorous data collection and analysis techniques. This is where having a broad base of expertise in the HREC, and the ability to call on outside expertise when needed, enables us to be fair, scientific, and thorough in our evaluations. Of equal importance is the input of our lay members, who can review a patient information statement with the same eyes as a potential research participant. If our lay members can understand an information statement, we can be confident that other potential participants can.

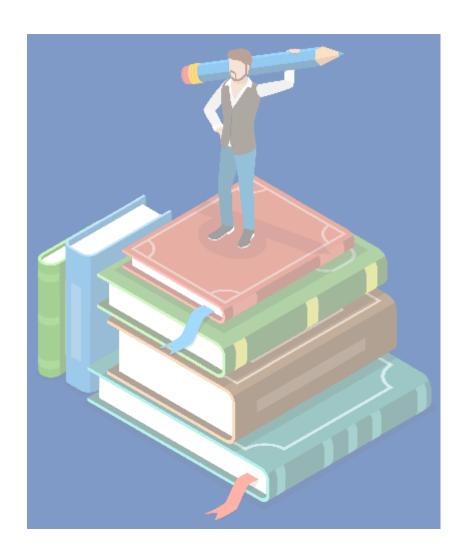
Whilst 2022 brought many new challenges, overcoming these has meant innovation for the THHS HREC. The addition of the ACQUIRE pathway for review of low-risk projects has resulted in a faster and yet comprehensive review of quality audits and other modest research (and non-research) projects.

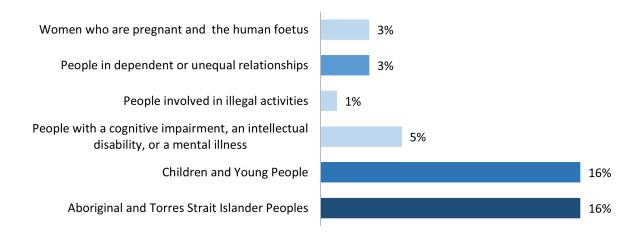
Hudson Birden

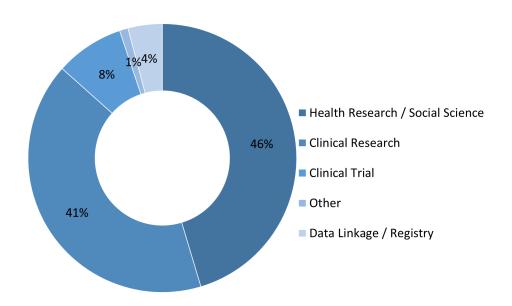
Chair, Townsville Hospital and Health Service Human Research Ethics Committee

HREC Report

HREC Activity	2022 Results
Research applications received	91 (68% low or negligible risk studies)
Research applications approved	72
Research applications not approved	6
Research applications withdrawn or transferred	15
Research applications awaiting information or review	10
Non-research endorsement requests received	38 (16% not eligible for exemption)
Non-research endorsements granted	30
Average response time for High-Risk applications	16 clock days (target = 60 clock days)
Average response time for Low-Risk applications	14 clock days (target = 60 clock days)







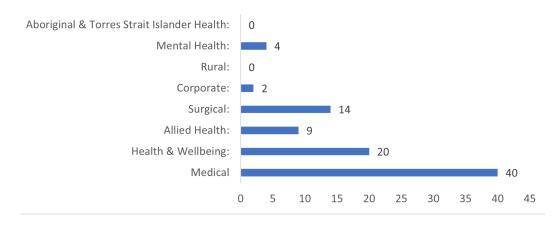
Research Governance and Support

As at 31/12/2022 there were ~625 active research studies within THHS, including 130 clinical trials.

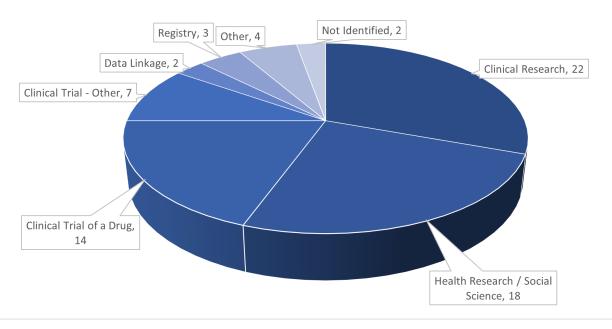
Governance Activity	2022 Results
Research governance SSA applications received in 2022	105 ↑ from 94 in 2021
New research projects authorised in 2022	72 (including 20 clinical trials)
New Post Authorisation Notifications received in 2022	387 ↓ from 437 in 2021
Average response time to reach a decision on applications (clock days)	26 (target = 25 clock days)

2022 Studies authorised by Service Group

(note - studies involving multiple service groups are counted against each group involved)



Categories of Studies Authorised in 2022 as Identified by Researcher



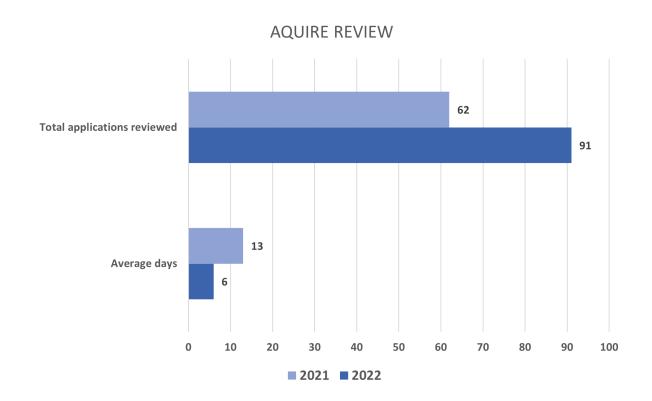
Major THHS research collaborators in new projects approved in 2022

- AbbVie Pty Ltd
- ANZ Breast Cancer Trials Group Ltd trading as Breast Cancer Trials
- Australasian Cardiac Outcomes Registry Ltd
- Australasian Myeloma Research Consortium (AMaRC)
- Bond University
- Central Queensland University
- CSIRO
- Curtin University
- Eli Lilly Australia Pty Ltd
- Gold Coast HHS
- Griffith University
- ICON Clinical Research Pty Ltd
- IQVIA RDS Pty. Limited
- James Cook University
- Janssen-Cilag Pty Ltd
- John Hopkins University
- Mackay HHS
- Medpace Australia Pty. Ltd.
- Merck Sharp & Dohme (Australia) Pty Ltd
- Metro North HHS
- Metro South HHS
- Monash University
- ORIQL: Orthopaedic Research Institute of Queensland
- Pharmaceutical Research Associates Pty Ltd
- PPD Australia Pty Ltd
- QIMR Berghofer Medical Research Institute
- Queensland Health represented by Allied Health Professions' Office of Queensland, Clinical Excellence Queensland
- Queensland University of Technology
- Southern Cross University
- The Australian and New Zealand Urogenital and Prostate Cancer Trials Group Ltd
- The University of Sydney
- The Walter and Eliza Hall Institute of Medical Research
- University of Geelong Hospital, Barwon Health
- University of New South Wales / Kirby Institute
- University of Queensland
- University of Queensland acting through Australasian Kidney Trials Network
- University of Sunshine Coast
- Western Sydney University

Audit, Quality and Innovation Review (AQUIRE)

The THHS Healthcare Standards Unit in collaboration with the Townsville Institute of Health Research and Innovation (TIHRI) have proven their commitment to supporting safe and high-quality healthcare through the establishment of the Audit, Quality and Innovation Review (AQUIRE) process. AQUIRE provides a robust and efficient review service for quality assurance project proposals submitted by staff who intend to disseminate the findings of their project beyond Queensland Health, and ensures that patients and consumers receive the highest standards of care.

Before AQUIRE, research and quality improvement project applications were all reviewed by the Human Research Ethics Committee (HREC). The introduction of AQUIRE has fast-tracked quality improvement applications and freed-up the HREC to focus on project proposals that require more complex ethical review. Since its commencement in April 2021, the AQUIRE panel has reviewed 175 applications with an impressive average decision turnaround time of only 7 days, far exceeding its KPI of 28 days.



Continuous improvement is a top priority for the AQUIRE team, who regularly update the THHS Quality & Innovation HQ portal to ensure ease of submissions, provide templates to guide staff, and deliver a 'one-stop-shop' for all information relating to quality improvement.

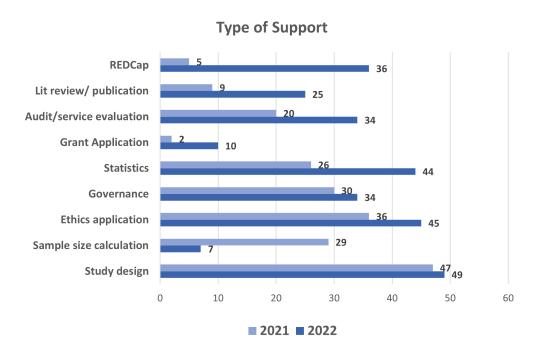
The AQUIRE panel's exceptional performance and dedication to improving the quality of healthcare services has fast-tracked the approval of non-research quality improvement applications, enabled the quick commencement of important quality improvement activities, promoted widespread dissemination and translation of project findings, and supported the HREC in achieving its essential functions.

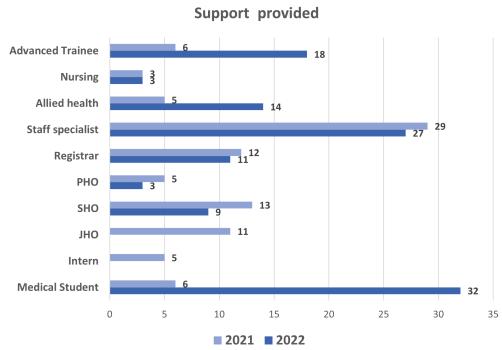
Research Support Services

2022 saw a significant increase in the delivery of services provided in support of research with almost 300 occasions of service delivered, a growth of almost 40% on 2021. Services covered a broad range of subject areas including research design, navigating the ethics and governance processes, statistical analysis, use of survey/database tools, and assistance with grant applications, literature reviews and service evaluations.

In late 2022, THHS staff obtained access to additional support through the launch of:

- the Tropical Australian Academic Health Centre (TAAHC) Study Design, Epidemiology and Biostatistics Support Service (SEBBS); and
- the TIHRI Research Data Laboratory,
- both of which are quickly becoming essential support services for our researchers.





Month	Educational Activity Delivered
January	 Public Health Research-Ethics and Governance Processes – Queensland Health Introduction to Research Ethics and Governance with Queensland Health and JCU
February	 JCU MBBS Year 3 Elective session-Basic Statistics JCU MBBS Year 3 Elective session- Literature Review and Meta-analysis
March	 Stepping into research program SERTA Grant Q&A Session 1 SERTA Grant Q&A Session 2
April	 SERTA Grant Q&A Session 3 Medical Grand rounds- research at THHS Ethics Committee Processes – Queensland Health
May	2-day Research Skills CourseLiterature search methods workshop
June	
July	Ethics Committee Roles & Processes- Looking over the fence
August	 Research at TUH- PHO-REG orientation Medical Grand rounds- research at THHS
September	Grant Writing (JCU Connect)
October	
November	 TropiQ Townsville Research Symposium Introduction to Research Ethics and Governance with Queensland Health
December	

Townsville Health Library

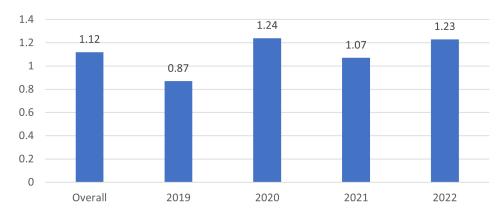
Our Library is an integral part of the Townsville Institute of Health and Innovation, delivering a range of essential services to our research active staff including document delivery, literature searching, training and support.

Publication Metrics

Publication Metrics*	2022 Results
Peer reviewed publications by THHS staff	257 ↑ from 216 in 2021
Field Weighted Citation Impact (FWCI) ¹ – citation of THHS publications at global average or above.	1.23 ↑ from 1.07 in 2021
% of publications in the top 10% Journal Percentile	23.7% ↑ from 21.2% in 2021
% of publications that involve international collaborations	26.2% ↓ from 36.4% in 2021

Field-Weighted Citation Impact 2019 - 2022 THHS

Note: Final data for 2022 will not be available on SCOPUS and SciVal until June 2023.



^{*}Publication metrics are sourced from SCOPUS and SciVal as at February 2023. Note, 2022 results provided are expected to increase once final 2022 data is available to report from. Final data for 2022 will not be available until June 2023.

¹ Field-Weighted Citation Impact (FWCI) is the ratio of total citations (references made to a published source in subsequent publications), and the total citations that would be expected based on the global average for the subject field. By basing impact on the subject field, FWCI takes account of the differences in research activity across disciplines.

A FWCI of >1 means that the output is more cited than the global average.

For Townsville Hospital and Health Service in 2022, an FWCI of 1.23 means that publications from THHS researchers were cited 23% more than would be expected based on the global average.

Publications by Subject Area	Number of Publications*
Medicine	212
Biochemistry, Genetics and Molecular Biology	26
Nursing	26
Health Professions	16
Physics and Astronomy	7
Environmental Science	6
Immunology and Microbiology	6
Neuroscience	6
Engineering	5
Chemistry	4
Materials Science	4
Social Sciences	4
Multidisciplinary	3
Pharmacology, Toxicology and Pharmaceutics	3
Computer Science	2
Dentistry	2
Mathematics	2
Psychology	2
Arts and Humanities	1
Chemical Engineering	1
Decision Sciences	1

^{*}Some publications cover multiple subject areas. Where this occurs, the publication is counted separately against each relevant subject area

Library Services Delivered

Library Activity	2022 Results
Librarian mediated literature searches performed	63
Articles acquired (not on CKN)	1,045
Instances of one-on-one client instruction provided	3,112
Formal information literacy classes	59
Information requests	4,973
Active registered library clients	1,533

THHS Research Publications 2022

Where possible, full text links have been provided via Open Access. Articles not available through Open Access can be obtained via CKN. Access to CKN (Clinical Knowledge Centre) is available to Queensland Health employees only.

Queensland Health employees can register with CKN to access full text articles or to request full text articles

CKN access is via an Open Athens log-in using: cknusername and password

For more information go to CKN (Clinician's Knowledge Network)

Contact Library staff for assistance: TSV-Library@health.gld.gov.au

To obtain full text articles not available on CKN please 'request this item from your local HHS Library'

- Agarwal, A., T. Pain, J. F. Levesque, A. Girgis, A. Hoffman, J. Karnon, M. T. King, K. K. Shah, R. L. Morton and H. P. S. I. G. For the (2022). "Patient-reported outcome measures (PROMs) to guide clinical care: recommendations and challenges," Medical Journal of Australia, vol. 216, no. 1, pp: 9-11.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- Al Maraee, G., V. Vangaveti and A. Mallett (2022). "Characterising patients and clinician experiences in comprehensive conservative care for kidney failure in Northern Queensland." Internal Medicine Journal, viewed 21 February 2023.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 3. Albantow, C. E. and S. J. Brown (2022). "<u>Three-dimensional printer use in the Australian and New Zealand radiation therapy setting</u>," *Journal of Medical Radiation Sciences* vol. 69, no. 4, pp. 492-501.

 Select link in title for full text access via OPEN ACCESS. <u>QH employees can access full text via CKN</u>
- Alizzi, M., R. Rathnayake, P. Sivabalan, T. I. Emeto and R. Norton (2022). "Group B streptococcal bacteraemia: changing trends in a tropical region of Australia." Internal Medicine Journal, vol. 52, no. 5, pp: 800-807.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 5. Apple, F. S., S. W. Smith, J. H. Greenslade, Y. Sandoval, W. Parsonage, I. Ranasinghe, N. Gaikwad, K. Schulz, L. Stephensen, C. W. Schmidt, B. Okeson, L. Cullen and S. Investigators (2022). "Single high-sensitivity point-of-care whole-blood cardiac troponin I measurement to rule out acute myocardial infarction at low risk." Circulation, vol. 146, no. 25, pp: 1918-1929. Link to abstract only. Contact Library Service for full text
- 6. Anderson, C. M., Y. Kandasamy and M. Kilcullen (2022). "The efficacy of home phototherapy for physiological and non-physiological neonatal jaundice: A systematic review." Journal of Neonatal Nursing, vol. 28, no. 5, pp. 312-326.

 QH employees select link in title to access full text via CKN
- Anderson, C. M., Y. Kandasamy and M. Kilcullen (2022). "Neonatal healthcare providers' perceptions of the feasibility of home phototherapy in neonatal jaundice." Journal of Neonatal Nursing, viewed 21 February 2023.
 QH employees select link in title to access full text via CKN
- 8. Ang, N., K. Ng and P. Saxena (2022). "<u>Intrathoracic Migration of a Loop Recorder Device: An Unusual Clinical Entity</u>." Heart Lung and Circulation, vol. 31, no. 2, pp: e27-e28.

 QH employees select link in title to access full text via CKN
- Antoniou, G. A., N. Kontopodis, S. K. Rogers, J. Golledge, T. L. Forbes, F. Torella, H. J. M. Verhagen, M. L. Schermerhorn and R. S. i. E. w. g. International (2023). "<u>Meta-Analysis of Compliance with Endovascular Aneurysm Repair Surveillance: The EVAR Surveillance Paradox</u>." European Journal of Vascular and Endovascular Surgery, vol. 65, no. 2, pp. 244–254.
 QH employees select link in title to access full text via CKN
- 10. Antoniou, G. A., M. L. Schermerhorn, T. L. Forbes, V. Cheng, S. A. Antoniou, J. Golledge, H. J. M. Verhagen and F. Torella (2022). "Risk factors, risk stratification and risk-specific surveillance strategies after endovascular aneurysm repair: study protocol for a Delphi study by the International RIsk Stratification in EVAR (IRIS-EVAR) working group." BMJ Open, vol. 12, no. 4, viewed 22 February 2023.
 Select link in title to access full text via OPEN ACESS. QH employees can access full text via CKN
- 11. Argall, N. L., E. Johnson, E. Cox, C. Hislop and S. A. Lefmann (2022). "Exploring parental perceptions of a family-centred model of care in a public child development service." Journal of Child Health Care, vol. 26, no. 1, pp: 5-17. Link to abstract only. Contact Library Service for full text.

- 12. Arnett, S., S. J. Sanchez, J. Downing, M. Boggild, J. Sun and S. A. Broadley (2022). "Low vitamin D levels do not predict risk of autoimmune disease following alemtuzumab treatment for multiple sclerosis." Multiple Sclerosis and Related Disorders, vol. 59.
 - Select link in title to access full text via OPEN ACCESS
- 13. August, D., Y. Kandasamy, R. Ray, K. New and D. Lindsay (2022). "Evaluation of the consistency of neonatal skin injury assessment using clinical images and the metric and graduated colour tool." Journal of Tissue Viability, vol. **31, no.**3, pp: 395-403.
 - QH employees select link in title to access full text via CKN
- 14. Babl, F. E., D. Herd, M. L. Borland, A. Kochar, B. Lawton, J. Hort, A. West, S. George, M. Zhang, K. Velusamy, F. Sullivan, E. Oakley, A. Davidson, S. M. Hopper, J. A. Cheek, R. G. Berkowitz, S. Hearps, C. L. Wilson, A. Williams, H. Elborough, D. Legge, M. T. Mackay, K. J. Lee and S. R. Dalziel (2022). "Efficacy of prednisolone for bell palsy in children: a randomized, double-blind, placebo-controlled, multicenter trial." Neurology, vol. 99, no. 20 pp: E2241-E2252. Link to abstract only. Contact Library Service for full text.
- 15. Baker, S. and Y. Kandasamy (2022). "Machine learning for understanding and predicting neurodevelopmental outcomes in premature infants: a systematic review." Pediatric Research, vol. 93, pp. 293-299.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 16. Banks, C., V. Gangathimmaiah, T. I. Emeto, L. Jones and J. Furyk (2022). "Raising the D-dimer threshold for ruling out pulmonary embolism: A single-site, observational study with a historical comparison." EMA Emergency Medicine Australasia.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 17. Bernardes, C. M., S. Ekberg, S. Birch, R. F. I. Meuter, A. Claus, M. Bryant, J. Isua, P. Gray, J. P. Kluver, D. Williamson, C. Jones, K. Houkamau, M. Taylor, E. Malacova, I. Lin and G. Pratt (2022). "Clinician perspectives of communication with Aboriginal and Torres Strait Islanders managing pain: Needs and preferences." International Journal of Environmental Research and Public Health, vol.19, no. 3, pp: 1572-1586.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 18. Bernardes, C. M., I. Lin, S. Birch, R. Meuter, A. Claus, M. Bryant, J. Isua, P. Gray, J. P. Kluver, S. Ekberg and G. Pratt (2022). "Study protocol: Clinical yarning, a communication training program for clinicians supporting aboriginal and Torres Strait Islander patients with persistent pain: A multicentre intervention feasibility study using mixed methods." Public Health in Practice, vol.3, no. 100221, viewed 24 February 2023. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 19. Bhandari, A., R. Marwah, J. Smith, D. Nguyen, A. Bhatti, C. P. Lim and A. Lasocki (2022). "Machine learning imaging applications in the differentiation of true tumour progression from treatment-related effects in brain tumours: A systematic review and meta-analysis." Journal of Medical Imaging and Radiation Oncology, vol. 66, no. 6, pp. 781-797. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 20. Bhandari, A. P., D. A. Nnate, L. Vasanthan, M. Konstantinidis and J. Thompson (2022). "Positioning for acute respiratory distress in hospitalised infants and children." Cochrane Database of Systematic Reviews, 2022, no. 6, p. CD003645, viewed 24 February 2023.
 - QH employees can access full text via CKN
- 21. Biros, E., U. H. Malabu, V. N. Vangaveti, E. Birosova and C. S. Moran (2022). "The IFN-y-mini/TrpRS signaling axis: an insight into the pathophysiology of osteoporosis and therapeutic potential." Cytokine & Growth Factor Reviews, vol. 64, pp: 7-11.
 - QH employees select link in title to access full text via CKN
- 22. Borland, M. L., S. R. Dalziel, N. Phillips, S. Dalton, M. D. Lyttle, S. Bressan, E. Oakley, A. Kochar, J. Furyk, J. A. Cheek, J. Neutze, N. Eapen, S. J. C. Hearps, V. C. Rausa, F. E. Babl and g. the Paediatric Research in Emergency Department International Collaborative (2022). "Incidence of traumatic brain injuries in head-injured children with seizures." EMA Emergency Medicine Australasia.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 23. Brennan, S., D. Watson, M. Schneider, D. Rudd and Y. Kandasamy (2022). "Fetal renal artery blood flow Normal ranges." Ultrasound, vol. 30, no. 1, pp: 62-71.

 Link to abstract only. Contact Library Service for full text.

- 24. Brennan, S., D. L. Watson, D. M. Rudd and Y. Kandasamy (2022). "<u>Kidney growth following preterm birth: evaluation with renal parenchyma ultrasonography.</u>" *Pediatric Research*, pp: 1-5.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 25. Brown, A., A. Edelman, T. Pain, S. Larkins and G. Harvey (2022). ""We're not providing the best care if we are not on the cutting edge of research": a research impact evaluation at a regional Australian hospital and health service." International Journal of Health Policy and Management, vol. 11, no. 12, pp: 3000-3011.

 Select link in title to access full text via OPEN ACCESS.
- Brown, A., S. Jones and J. Yim (2022). "Health preference research: An overview for medical radiation sciences." Journal of Medical Radiation Sciences, vol. 69, no. 3, pp: 394-402.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 27. Brown, A., T. Pain, A. Tan, L. Anable, E. Callander, K. Watt, D. Street and R. De Abreu Lourenco (2022). "Men's preferences for image-guidance in prostate radiation therapy: A discrete choice experiment." Radiotherapy and Oncology, vol. 167, pp: 49-56.
 QH employees can access full text via CKN
- 28. Brown, A., A. Tan, L. Anable, E. Callander, R. De Abreu Lourenco and T. Pain (2022). "Perceptions and recall of treatment for prostate cancer: A survey of two populations." Technical Innovations and Patient Support in Radiation Oncology, vol. 24, pp: 78-85.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 29. Burnard, D., M. J. Bauer, C. Falconer, I. Gassiep, R. E. Norton, D. L. Patersonid and P. N. A. Harris (2022). "Clinical Burkholderia Pseudomallei isolates from North Queensland carry diverse bimABm genes that are associated with central nervous system disease and are phylogenomically distinct from other Australian strains." PLoS Neglected Tropical Diseases, vol. 16, no. 6, p. e0009482, viewed 24 February 2023, Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- Buschel, H., P. Leung, H. Stalewski, D. Carroll and B. Mariyappa-Rathnamma (2022). "Renal abscesses in children: an 11year retrospective study and review of the literature." ANZ Journal of Surgery, vol. 92, no. 12, pp: 3293-3297.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 31. Campbell, A. J., R. Dotel, M. Braddick, P. N. Britton, D. P. Eisen, J. R. Francis, S. Lynar, B. McMullan, N. Meagher, J. Nelson, M. V. N. O'Sullivan, D. J. Price, J. O. Robinson, A. Whelan, S. Y. C. Tong, A. C. Bowen and J. S. Davis (2022). "Clindamycin adjunctive therapy for severe Staphylococcus aureus treatment evaluation (CASSETTE) An open-labelled pilot randomized controlled trial." JAC-Antimicrobial Resistance, vol. 4, no. 1.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 32. Chan, A., S. Smith, E. Tan and S. Kuruvath (2022). "Case Report: First Successful Treatment of Acanthamoeba Brain Abscess with Combination Surgical Excision and Miltefosine-Led Antimicrobial Therapy." The American journal of tropical medicine and hygiene, vol. 106, no. 3, pp: 861-866.

 QH employees select link in title to access full text via CKN
- 33. Chan, N. Y., J. Orchard, M. J. Agbayani, D. Boddington, T. F. Chao, S. Johar, B. John, B. Joung, S. Krishinan, R. Krittayaphong, S. Kurokawa, C. P. Lau, T. W. Lim, P. T. Linh, V. H. Long, A. Naik, Y. Okumura, T. Sasano, B. Yan, S. B. Raharjo, D. A. Hanafy, Y. Yuniadi, N. Nwe, Z. A. Awan, H. Huang and B. Freedman (2022). "2021 Asia Pacific Heart Rhythm Society (APHRS) practice guidance on atrial fibrillation screening." Journal of Arrhythmia, vol. 38, no. 1, pp: 31-49.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 34. Chilkuri, M., J. Millar and G. Adams (2022). "'<u>With great power comes great responsibility</u>': An impetus for quality and <u>safety in radiation oncology</u>." *Journal of Medical Imaging and Radiation Oncology*, vol. 66, no. 2, pp: 242-248. Select link in title to access full text via OPEN ACCESS. <u>QH employees can access full text via CKN</u>
- 35. Chilkuri, M., V. Vangaveti and J. Smith (2022). "Head and neck cancers: Monitoring quality and reporting outcomes."

 Journal of Medical Imaging and Radiation Oncology, vol. 66, no. 3, pp: 455-465.

 Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 36. Chin, S., M. Or, W. L. Ong, J. Millar, M. Chilkuri and S. Vinod (2022). "Radiation oncology peer review in Australia and New Zealand." Journal of Medical Imaging and Radiation Oncology, vol. 66, no. 2, pp: 258-266.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN

- 37. Chiu, F. P. C., R. Nixon, A. Lee and A. Boyce (2022). ""High-vis" dermatitis. A case report." *Contact Dermatitis*, vol. 86, no. 4, pp: 326-328.
 - Full text unavailable. Contact <u>Library Services</u> for full text
- 38. Clarke, L., W. Bukhari, C. M. O'Gorman, E. Khalilidehkordi, S. Arnett, M. Woodhall, K. M. Prain, J. D. E. Parratt, M. H. Barnett, M. P. Marriott, P. A. McCombe, I. Sutton, M. Boggild, W. Brownlee, W. M. Carroll, S. Hodgkinson, R. A. L. Macdonell, D. F. Mason, J. Pereira, M. Slee, C. Das, A. P. D. Henderson, A. G. Kermode, J. Lechner-Scott, P. Waters, J. Sun, S. A. Broadley and A. N. Collaboration (2022). "Response to treatment in NMOSD: the Australasian experience." Multiple Sclerosis and Related Disorders, vol. 58, viewed 27 February 2023.

 QH employees select link in title to access full text via CKN
- 39. Coleman, A., A. Håkansson, E. Grahn Håkansson, K. Cottrell, S. Bialasiewicz, J. Zaugg and A. Cervin (2022). "In vitro Inhibition of respiratory pathogens by lactobacillus and alpha haemolytic streptococci from Aboriginal and Torres Strait Islander children." Journal of Applied Microbiology, vol. 132, no. 3, pp: 2368-2378.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 40. Connolly, E. A., A. Weickhardt, P. Grimison, R. Asher, G. Z. Heller, J. Lewin, E. Liow, G. Toner, I. L. Y. Tung, B. Tran, S. Hill, E. Walpole, J. McKenzie, A. Kuchel, J. Goh, G. Forgeson, A. Tan, A. Joshi, A. Wickham, H. Tan, Y. Wang, M. A. Winstanley, N. Hamad and V. Wong (2022). "High-dose chemotherapy for relapsed germ cell tumours: outcomes in low-volume specialized centres." BJU International, vol. 130, S1, pp: 5-16.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 41. Craig, S., C. V. E. Powell, G. M. Nixon, E. Oakley, J. Hort, D. S. Armstrong, S. Ranganathan, A. Kochar, C. Wilson, S. George, N. Phillips, J. Furyk, B. Lawton, M. L. Borland, S. O'Brien, J. Neutze, A. Lithgow, C. Mitchell, N. Watkins, D. Brannigan, J. Wood, C. Gray, S. Hearps, E. Ramage, A. Williams, J. Lew, L. Jones, A. Graudins, S. Dalziel and F. E. Babl (2022). "Treatment patterns and frequency of key outcomes in acute severe asthma in children: A Paediatric Research in Emergency Departments International Collaborative (PREDICT) multicentre cohort study." BMJ Open Respiratory Research, vol. 9, no. 1. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 42. Crilly, J., K. East, J. Brown, P. Zhang, J. Byrnes, J. Furyk, J. Duncan, L. Jones, N. J. Brown, D. Green, S. Rothwell and D. Rosengren (2022). "The profile, clinical characteristics, and outcomes of alcohol- and non-alcohol-related patient presentations to Queensland emergency departments: a multi-site observational study." Australian health review: a publication of the Australian Hospital Association, vol. 46, no. 6, pp: 701-709.

 QH employees select link in title to access full text via CKN
- 43. Crowley, K., H. Stalewski, D. Carroll and B. Mariyappa-Rathnamma (2022). "Intradiaphragmatic extralobar pulmonary sequestration: A rare anomaly." Journal of Pediatric Surgery Case Reports, vol. 83, August 2022. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 44. D'Arrietta, L. M., V. N. Vangaveti, M. J. Crowe and B. S. Malau-Aduli (2022). "Impact of research training on newly graduated health professionals' motivation to undertake research." Journal of Multidisciplinary Healthcare, vol. 15, pp: 2223-2240.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 45. D'Arrietta, L. M., V. N. Vangaveti, M. J. Crowe and B. S. Malau-Aduli (2022). "Rethinking health professionals' motivation to do research: a systematic review." Journal of Multidisciplinary Healthcare, vol. 15, pp: 185-216.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 46. De Gregorio, M., T. Lee, K. Krishnaprasad, G. Amos, Y. K. An, M. Bastian-Jordan, J. Begun, N. Borok, D. J. M. Brown, W. Cheung, S. J. Connor, J. Gerstenmaier, L. E. Gilbert, R. Gilmore, B. Gu, N. Kutaiba, A. Lee, G. Mahy, A. Srinivasan, L. Thin, A. J. Thompson, C. J. Welman, E. X. Z. Yong, P. De Cruz, D. van Langenberg, M. P. Sparrow and N. S. Ding (2022). "Higher Anti-tumor Necrosis Factor-α Levels Correlate With Improved Radiologic Outcomes in Crohn's Perianal Fistulas." Clinical Gastroenterology and Hepatology, vol. 20, no. 6, pp: 1306-1314.
 QH employees select link in title to access full text via CKN
- 47. de Havilland, A., G. Hariharan and R. Puvvadi (2022). "<u>Is intravenous magnesium sulphate safe to be administered outside the critical care setting?</u>" *Journal of Paediatrics and Child Health*, vol. 58, no. 5, pp: 924-928.

 Select link in title to access full text via OPEN ACCESS. <u>QH employees can access full text via CKN</u>
- 48. de Jager, E., R. Gunnarsson and Y. H. Ho (2022). "<u>Disparities in advanced peripheral arterial disease presentation by socioeconomic status.</u>" World Journal of Surgery, vol. 46, no 6, pp: 1500-1507.

 Select link in title to access full text via OPEN ACCESS. <u>OH employees can access full text via CKN</u>

- de Jager, E., R. Gunnarsson and Y. H. Ho (2022). "<u>Disparities in surgical outcomes for low socioeconomic status patients in Australia</u>." ANZ Journal of Surgery, vol. 92, no. 5, pp: 1026-1032.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 50. de Jager, E., R. Gunnarsson and Y. H. Ho (2022). "Emergency to elective surgery ratio as a disparities sensitive surgical access metric, a study of low socioeconomic status in Australia." World Journal of Surgery, vol. 46, no. 4, pp: 776-783. QH employees select link in title to access full text via CKN
- 51. de Jager, E., R. Gunnarsson and Y. H. Ho (2022). "Self-discharge as a marker of surgical cultural competency and cultural safety for Aboriginal and/or Torres Strait Islander patients." ANZ Journal of Surgery, viewed 28 February 2023. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 52. de Jager, E., R. Gunnarsson and Y. H. Ho (2022). "Surgical services for breast cancer patients in Australia, is there a gap for Aboriginal and/or Torres Strait Islander women?" World Journal of Surgery, vol. 46, no. 3, pp: 612-621.

 QH employees select link in title to access full text via CKN.
- 53. de Jager, E. and Y. H. Ho (2022). "Socioeconomic disparities in rates of facial fracture surgeries for women and men at a regional tertiary care centre in Australia." ANZ Journal of Surgery, vol. 92, nos. 7-8, pp: 1700-1705.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 54. De Silva, K., A. Brown and C. Edwards (2022). "Impact of transperineal ultrasound on perineal skin dose in prostate radiation therapy." Technical Innovations and Patient Support in Radiation Oncology, vol. 23, pp: 27-32. Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 55. Deftereos, I., J. M. Yeung, J. Arslan, V. M. Carter, E. Isenring, N. Kiss, A. Cardamis, A. Dorey, A. Ottaway, B. Maguire, B. Cleeve, C. Davis, C. Zoanetti, C. Gray, C. Choong, C. Douglas, C. Nixon, D. Platt, E. Quinn, E. Simpson, E. Hamdorf, E. McNamara, E. Whelan, G. Jegendran, G. Moore, G. Lockwood, J. McNamara, J. Corrigan, K. Haaksma, K. Fox, K. Furness, K. W. Cochrane, K. Huynh, K. C. Lee, N. Hames, N. Hendricks, N. Page, N. Brooks, L. Nevin, L. Parfrey, E. Putrus, R. Pons, R. Hoevenaars, S. Singh, S. McCoy, S. Wallin, S. Mexias, S. Daniells, T. Storr, T. Robertson, T. Brown and N. P. P. S. G. on behalf of The (2022). "Adherence to ESPEN guidelines and associations with postoperative outcomes in upper gastrointestinal cancer resection: results from the multi-centre NOURISH point prevalence study." Clinical Nutrition ESPEN, vol. 47, pp: 391-398.
 QH employees select link in title to access full text via CKN
- 56. Dlaska, C., P. Ismailidis, K. Doma, B. Brandon, M. Wilkinson and K. Hazratwala (2022). "Femoral component rotation in total knee arthroplasty using a tibia-first, gap-balancing, "functional alignment" Technique." Journal Of Clinical Medicine, vol. 11, no. 22, p: 6680.
 - Select link in title for full text access via OPEN ACCESS. QH employees can access full text via CKN
- 57. Dobson, G. P., C. Gibbs, L. Poole, B. Butson, L. D. Lawton, J. L. Morris and H. L. Letson (2022). "<u>Trauma care in the tropics: Addressing gaps in treating injury in rural and remote Australia</u>." *Rural and Remote Health,* vol. 22, no. 1. QH employees select link in title to access full text via CKN
- Drew, Z. J., S. Chakrabarty and R. Malghan (2022). "Complicated appendicular diverticulitis." Journal of Medical Radiation Sciences, vol. 69, no. 3, pp: 407-410.
 Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 59. Drovandi, A., L. Seng, B. Crowley, M. E. Fernando and J. Golledge (2022). "Health professionals' opinions about secondary prevention of diabetes-related foot disease," International Journal of Lower Extremity Wounds, viewed 28 February 2023. Link to abstract only. Contact Library Services for full text
- 60. Drovandi, A., L. Seng, B. Crowley, M. E. Fernando, R. Evans and J. Golledge (2022). "Health professionals' opinions about secondary prevention of diabetes-related foot disease," The science of diabetes self-management and care, vol. 48, no. 5, pp: 349-361.

 Link to abstract only. Contact Library Service for full text
- 61. Eisen, D. P., E. Hamilton, J. Bodilsen, R. Køster-Rasmussen, A. J. Stockdale, J. Miner, H. Nielsen, O. Dzupova, V. Sethi, R. K. Copson, M. Harings and O. A. Adegboye (2022). "Longer than 2 hours to antibiotics is associated with doubling of mortality in a multinational community-acquired bacterial meningitis cohort." Scientific Reports, vol. 12, no. 1. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN

- 62. Engstrom, N., G. Dobson, K. Ng and H. Letson (2022). "<u>Fragmented QRS is associated with ventricular arrhythmias in heart failure patients: A systematic review and meta-analysis</u>." *Annals of Noninvasive Electrocardiology*, vol. 27, no. 1. Select link in title to access full text via OPEN ACCESS. <u>QH employees can access full text via CKN</u>
- 63. Engstrom, N., G. P. Dobson, K. Ng, K. Lander, K. Win, A. Gupta and H. L. Letson (2022). "Validation of CalECG software for primary prevention heart failure patients: Reducing inter-observer measurement variability." Journal of Electrocardiology, vol. 74, pp: 128-133.

 QH employees select link in title to access full text via CKN
- 64. Fernando, M. E., L. Seng, A. Drovandi, B. J. Crowley and J. Golledge (2022). "Corrigendum: Effectiveness of remotely delivered interventions to simultaneously optimize management of hypertension, hyperglycemia and dyslipidemia in people with diabetes: a systematic review and meta-analysis of randomized controlled trials." Frontiers in Endocrinology, vol. 13 viewed 28 February 2023.

 QH employees select link in title to access full text via CKN
- 65. Fernando, M. E., L. Seng, A. Drovandi, B. J. Crowley and J. Golledge (2022). "Effectiveness of remotely delivered interventions to simultaneously optimize management of hypertension, hyperglycemia and dyslipidemia in people with diabetes: a systematic review and meta-analysis of randomized controlled trials." Frontiers in Endocrinology, vol. 13, viewed 28 February 2023.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 66. Finnimore, K., W. Smyth, J. Carrucan and C. Nagle (2023). "Nurses' knowledge, practices and perceptions regarding Clostridioides difficile: Survey results." Infection, Disease & Health, vol. 28, no. 1, pp: 39-46.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 67. Fitts, M. S., J. Cullen, G. Kingston, E. Wills and K. Soldatic (2022). ""I don't think it's on anyone's radar": the workforce and system barriers to healthcare for indigenous women following a traumatic brain injury acquired through violence in remote Australia." International Journal of Environmental Research and Public Health vol. 19, no. 22. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 68. Fitzgerald, S. P., N. G. Bean, S. P. Fitzgerald and H. Falhammar (2022). "The application of new concepts of the assessment of the thyroid state to pregnant women." Frontiers in Endocrinology vol. 13, viewed 28 February 2023.

 QH employees select link in title to access full text via CKN
- 69. Flenady, V., G. Gardener, D. Ellwood, M. Coory, M. Weller, K. A. Warrilow, P. F. Middleton, A. M. Wojcieszek, K. M. Groom, F. M. Boyle, C. East, H. L. S. Lawford, E. Callander, J. M. Said, S. P. Walker, K. Mahomed, C. Andrews, A. Gordon, J. E. Norman and C. Crowther (2022). "My Baby's Movements: a stepped-wedge cluster-randomised controlled trial of a fetal movement awareness intervention to reduce stillbirths." BJOG: An International Journal of Obstetrics & Gynaecology, vol. 129, no. 1, pp: 29-41.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 70. Foley, J., R. L. Nund, E. C. Ward, C. L. Burns, L. R. Wishart, N. Graham, C. Patterson, A. Ashley, J. Fink, E. Tiavaasue and W. Comben (2022). "Clinician and consumer perceptions of head and neck cancer services in rural areas: Implications for speech pathology service delivery." Australian Journal of Rural Health vol. 30, no. 2, pp: 175-187.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 71. Foley, J., E. C. Ward, C. L. Burns, R. L. Nund, L. R. Wishart, N. Graham, C. Patterson, A. Ashley, J. Fink, E. Tiavaasue and W. Comben (2022). "Enhancing speech-language pathology head and neck cancer service provision in rural Australia: Using a plan, do, study, act approach." International Journal of Speech-Language Pathology, viewed 28 February 2023. Link to abstract only. Contact Library Services for full text
- 72. Furyk, J. S., S. George, N. Phillips, T. I. Emeto, K. Watt, S. O'Brien, K. Riney, C. Wilson, S. J. C. Hearps, M. L. Borland, S. R. Dalziel, F. E. Babl and C. on behalf of the Paediatric Research in Emergency Departments International (2022). "Status Epilepticus Australasian Registry for Children: A pilot prospective, observational, cohort study of paediatric status epilepticus." EMA Emergency Medicine Australasia vol. 34, no. 5, pp: 801-807.

 Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 73. Gangathimmaiah, V., R. Evans, N. Moodley, T. Sen Gupta, N. Drever, M. Cardona and K. Carlisle (2022). "Identification of barriers, enablers and interventions to inform deimplementation of low-value care in emergency medicine practice: A protocol for a mixed methods scoping review informed by the Theoretical Domains Framework." BMJ Open, vol. 12, no. 11. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN

- 74. Gassiep, I., M. J. Bauer, P. N. A. Harris and R. Norton (2022). "Speed and safety of mass spectrometry for identification of Burkholderia Pseudomallei directly from spiked blood cultures." Journal of Medical Microbiology, vol. 71, no. 4. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 75. Gassiep, I., V. Ganeshalingam, M. D. Chatfield, P. N. A. Harris and R. E. Norton (2022). "The epidemiology of melioidosis in Townsville, Australia." Transactions of the Royal Society of Tropical Medicine and Hygiene, vol. 116, no. 4, pp: 328-335. QH employees select link in title to access full text via CKN
- 76. Gassiep, I., M. J. Bauer, M. Page, P. N. A. Harris and R. Norton (2022). "Comparative evaluation of Panther Fusion and real-time PCR for detection of Burkholderia pseudomallei in spiked human blood." Access microbiology, vol. 4, no. 3, pp: 000333.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 77. Gautam, A., G. Wiseman, R. Legg, D. Lindsay, R. Puvvadi, B. M. Rathnamma, H. Stalewski, R. Norton and A. V. White (2022). "Management of pediatric thoracic empyema in the North Queensland region of Australia and impact of a local evidence-based treatment guideline." Pediatric Infectious Disease Journal, vol. 41, no. 1, pp: 1-5.

 Link to abstract only. Contact Library Services for full text
- 78. George, M., A. Smith, G. Ranmuthugula and S. Sabesan (2022). "Barriers to accessing, commencing and completing cancer treatment among geriatric patients in Rural Australia: A qualitative perspective." International Journal of General Medicine, vol. 15, pp: 1583-1594.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 79. George, S., E. Wake, M. Jansen, J. Roy, S. MacOnachie, A. Paasilahti, G. Wiseman, K. Gibbons and J. Winearls (2022). "Fibrinogen Early in Severe paediatric Trauma study (FEISTY junior): Protocol for a randomised controlled trial," BMJ Open vol. 12, no. 5.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 80. Gerrard, K. M., J. Shepherd, R. Sehdev, V. Gangathimmaiah and C. Nagle (2022). "Meeting the wellness needs of emergency department clinicians: A scoping review of interventions." Australasian Emergency Care, viewed 28 February 2023.

 QH employees select link in title to access full text via CKN.
- 81. Gill, S., G. Hariharan and R. Puvvadi (2022). "An unusual presentation of stridor in an adolescent." Australian Journal of General Practice, vol. 51, no. 6, pp: 416-417.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 82. Golledge, J. (2022). "New genomic techniques provide novel insights into ascending aortic aneurysm pathology." Arteriosclerosis, Thrombosis, and Vascular Biology, vol. 42, no. 11, pp: 1375-1377. Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 83. Golledge, J. (2022). "Surgical revascularization best for limb ischemia?" New England Journal of Medicine, vol. 387, no. 25, pp: 2377-2378.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 84. Golledge, J. (2022). "<u>Update on the pathophysiology and medical treatment of peripheral artery disease</u>." *Nature Reviews Cardiology*, vol. 19, no. 7, pp: 456-474.

 Select link in title to access full text via OPEN ACCESS. <u>QH employees can access full text via CKN</u>
- 85. Golledge, J., M. E. Fernando, C. Alahakoon, P. A. Lazzarini, W. B. aan de Stegge, J. J. van Netten and S. A. Bus (2022). "Efficacy of at home monitoring of foot temperature for risk reduction of diabetes-related foot ulcer: A meta-analysis." Diabetes/Metabolism Research and Reviews, vol. 38, no. 6. Select link in title to access full text via OPEN ACCESS.
- 86. Golledge, J., M. E. Fernando and D. G. Armstrong (2022). "Current management of peripheral artery disease: focus on pharmacotherapy." *Drugs*, vol. 82, no. 11, pp: 1165-1177.

 Link to abstract only. Contact <u>Library Services</u> for full text
- 87. Golledge, J., J. Jenkins, M. Bourke, B. Bourke and T. P. Singh (2022). "Association of oral anticoagulation prescription with clinical events in patients with an asymptomatic unrepaired abdominal aortic aneurysm." Biomedicines, vol. 10, no. 9. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN

- Golledge, J., S. M. Krishna and Y. Wang (2022). "Mouse models for abdominal aortic aneurysm." British Journal of Pharmacology, vol. 179, 5, pp: 792-810.
 QH employees select link in title to access full text via CKN
- 89. Golledge, J. and J. V. Moxon (2022). "Response to "Re Athero-occlusive disease appears to be associated with slower abdominal aortic aneurysm growth: an exploratory analysis of the TEDY trial"." European Journal of Vascular and Endovascular Surgery, vol. 64, no. 1, pp: 139-140.

 QH employees select link in title to access full text via CKN
- Golledge, J. and S. Thanigaimani (2022). "Role of sclerostin in cardiovascular disease." Arteriosclerosis, Thrombosis, and Vascular Biology, vol. 42, no. 7, pp: E187-E202.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- Golledge, J., R. Velu, F. Quigley, J. Jenkins and T. P. Singh (2022). "Cohort study examining the association of immunosuppressant drug prescription with major adverse cardiovascular and limb events in patients with peripheral artery disease." Annals of Vascular Surgery, vol. 78, pp: 310-320.
 QH employees select link in title to access full text via CKN
- 92. Golledge, J., R. Velu, F. Quigley, J. Jenkins and T. P. Singh (2022). "Cohort study examining the prevalence and relationship with outcome of standard modifiable risk factors in patients with peripheral artery occlusive and aneurysmal disease."

 European Journal of Vascular and Endovascular Surgery, vol. 63, no. 2, pp: 305-313.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 93. Golledge, J., R. Velu, F. Quigley, J. Jenkins and T. P. Singh (2022). "The predictive value of four serum biomarkers for major adverse events in patients with small abdominal aortic aneurysm," Journal of vascular surgery, vol. 77, no. 4, pp: 1037-1044.
 - QH employees select link in title to access full text via $\ensuremath{\mathsf{CKN}}$
- 94. Gupta, S., A. Rane, V. Vengavati, M. Achari, A. Mubeen and U. Gupta (2022). "Long-term experience with a modified ERAS protocol for urogynaecology day procedures." *Journal of Obstetrics and Gynaecology*, vol. 42, no. 5, pp: 1415-1418. Link to abstract only. Contact <u>Library Services</u> for full text
- 95. Hadland, M., W. Smyth, A. Craswell, L. Kearney and C. Nagle (2022). "Being with computer: Midwives' perspectives of the impact of the electronic maternity record on their practice providing woman-centred care." Women and birth, vol. 35, p: S20-S20.

 QH employees can access full text via CKN
- 96. Hadland, M., W. Smyth, A. Craswell, L. Kearney and C. Nagle (2022). "Women identify benefits with the use of electronic maternity records." Women and birth vol. 35, p: S30-S30.

 QH employees can access full text via CKN
- 97. Hadland, M. M., S. Holland, R. Taylor, W. Smyth and C. Nagle (2022). ""A way to bring my labour back to normal": An immersive sensory experience during childbirth." Women and Birth, vol. 35, (Supplement 1).

 QH employees can access full text via CKN
- 98. Haider, A. S., J. Wight and I. C. Reddie (2022). "Case of the disappearing drusen." Canadian Journal of Ophthalmology, viewed 28 February 2023.
- 99. QH employees select link in title to access full text via CKN
- 100. Harkus, U., M. Wankell, P. Palamuthusingam, C. McFarlane and L. Hebbard (2022). "Immune checkpoint inhibitors in HCC: Cellular, molecular and systemic data." Seminars in Cancer Biology, vol. 86, pp: 799-815.

 QH employees select link in title to access full text via CKN
- 101. Hill Almeida, L. M., L. Flicker, G. J. Hankey, J. Golledge, B. B. Yeap and O. P. Almeida (2022). "<u>Disrupted sleep and risk of depression in later life: A prospective cohort study with extended follow up and a systematic review and meta-analysis.</u>" *Journal of Affective Disorders*, vol. 309, pp: 314-323.
 QH employees select link in title to access full text via CKN
- 102. Hobbs, M. J., N. Ketheesan, K. Eastwood, P. Massey, G. Ranmuthugala, R. Norton and F. H. Quirk (2022). "Q Fever awareness and risk profiles among agricultural show attendees." Australian Journal of Rural Health, vol. 30, no. 5, pp: 601-607.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN

- 103. Holland, S., C. Nagle and W. Smythe (2022). "Togs on or Togs off? Perineal outcomes for women who birth in water compared to women who do not." Women and birth, vol. 35, pp: S16-S17.
 QH employees can access full text via CKN
- 104. Hopkinson, M. D., L. Kearney, M. Gray and K. George (2022). "New graduate midwives' transition to practice: A scoping review." Midwifery, vol. 111, viewed 28 February 2023.
 QH employees select link in title to access full text via CKN
- 105. Hoy, W. E., Z. Wang, J. Zhang, V. Diwan, A. Cameron, S. K. Venuthurupalli, R. G. Fassett, S. Chan, H. G. Healy, K. S. Tan, R. Baer, A. J. Mallett, N. Gray, M. Mantha, R. Cherian, C. Mutatiri, K. Madhan, G. Kan, G. Mitchell, S. Hossain, D. Wu, T. Han, A. Kark, T. Titus, D. Ranganathan, A. Bonner, S. Govindarajulu, N. C. C. the and C. K. D. Q. L. D. C. the (2022). "Chronic kidney disease in public renal practices in Queensland, Australia, 2011–2018." Nephrology, vol. 27, no. 12, pp: 934-944. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 106. Hudson, R., C. Rawlings, S. Y. Mon, J. Jefferis and G. T. John (2022). "<u>Treatment resistant M-type phospholipase A2 receptor associated membranous nephropathy responds to obinutuzumab: a report of two cases.</u>" *BMC Nephrology,* vol. 23, no. 1. Select link in title to access full text via OPEN ACCESS. <u>QH employees can access full text via CKN</u>
- 107. Hughes, B. G. M., E. Munoz-Couselo, L. Mortier, Å. Bratland, R. Gutzmer, O. Roshdy, R. González Mendoza, J. Schachter, A. Arance, F. Grange, N. Meyer, A. Joshi, S. Billan, P. Zhang, B. Gumuscu, R. F. Swaby and J. J. Grob (2022). "Corrigendum to 'Pembrolizumab for locally advanced and recurrent/metastatic cutaneous squamous cell carcinoma (KEYNOTE-629 study): an open-label, nonrandomized, multicenter, phase II trial: [Annals of Oncology Volume 32, Issue 10, October 2021, Pages 1276-1285] (Annals of Oncology (2021) 32(10) (1276–1285), (S0923753421021864), (10.1016/j.annonc.2021.07.008))." Annals of Oncology, vol. 33, no. 8, p: 853.

 QH employees select link in title to access full text via CKN
- 108. Hunt, S., J. Robertson, J. Conn, J. Casey, J. Royle, J. Collins, M. Hourigan, J. Richmond, T. Yang Wang, A. Mills and J. Mason (2022). "A low-dose rituximab regimen for first-line treatment of acquired haemophilia A." European Journal of Haematology, vol. 108, no. 1, pp: 28-33.

 Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 109. Hurren, S., K. Yates, C. Nagle and M. McAuliffe (2022). "Exploring women's experiences of gestational breast cancer and their interactions with the health care system: a scoping review." Women and birth, vol. 35, p: S33-S33.

 QH employees can access full text via CKN
- 110. Jefferis, J., A. Pelecanos, V. Catts and A. Mallett (2022). "The heritability of kidney function using an older Australian twin population." Kidney International Reports, vol. 7, no. 8, pp: 1819-1830.

 Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 111. Jenkin, A., P. Mantha and P. Palamuthusingam (2022). "<u>Do we need to change empiric antibiotic use following natural disasters?</u> A reflection on the Townsville flood." ANZ Journal of Surgery, vol. 92, nos. 1-2, pp: 195-199. Select link in title to access full text via OPEN ACCESS. <u>QH employees can access full text via CKN</u>
- 112. Jhaveri, D., T. I. Emeto, F. O. Alele, A. Strom and H. Benham (2022). "<u>Use of telemedicine for rheumatology practice in Queensland, Australia: experiences before and during the COVID-19 pandemic</u>." *Internal Medicine Journal*, vol. 52, no. 10, pp: 1685-1690.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 113. Jones, A. E., C. Nagle, T. Ahern and W. Smyth (2022). "<u>Evidence for a nurse-led protocol for removing urinary catheters: A scoping review.</u>" *Collegian*, available online September 13, 2022. Viewed 28 February 2023. Select link in title to access full text via OPEN ACCESS
- 114. Joseph, A, Hogan, M, Khoo, A, Fernando, M & Cheung M (2022) "Disability in people with Diabetes," *Diabetes Management Journal*, November, pp. 27-29.

 Contact <u>Library Services</u> for full text
- 115. Kaminski, M. R., J. Golledge, J. W. J. Lasschuit, K. H. Schott, J. Charles, J. Cheney, A. Raspovic, G. on behalf of the Australian Diabetes-related Foot Disease and P. Pathways (2022). "Australian guideline on prevention of foot ulceration: part of the 2021 Australian evidence-based guidelines for diabetes-related foot disease." Journal of Foot and Ankle Research, vol. 15, no. 1.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN

- 116. Kansal, A., C. Quinlan, Z. Stark, P. G. Kerr, A. J. Mallett, C. Lakshmanan, S. Best and K. Jayasinghe (2022). "Theory designed strategies to support implementation of genomics in nephrology." Genes, vol. 13, no. 10.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 117. Karri, S. R., P. S. Roy, N. Nandi, V. Shenoy and D. Watson (2022). "Management of fetal hyperthyroidism caused by persistent autoimmune antibodies in a case of previously treated maternal Graves' disease." Obstetric Medicine, viewed 28 February 2023.
 - Link to abstract only. Contact Library Services for full text
- 118. Kavurma, M. M., C. Bursill, C. P. Stanley, F. Passam, S. P. Cartland, S. Patel, J. Loa, G. A. Figtree, J. Golledge, S. Aitken and D. A. Robinson (2022). "Endothelial cell dysfunction: Implications for the pathogenesis of peripheral artery disease." Frontiers in Cardiovascular Medicine, vol. 9, viewed 28 February 2023.

 QH employees select link in title to access full text via CKN
- 119. Keane, C., N. Hamad, A. Barraclough, Y. Y. Lee, D. Talaulikar, M. Ku, J. Wight, M. Tatarczuch, F. Swain and G. P. Gregory (2022). "Diagnosis and management of primary central nervous system lymphoma: a consensus practice statement from the Australasian Lymphoma Alliance." Internal Medicine Journal, vol. 52, no. 9, pp: 1624-1632.

 Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 120. Kermond, R., A. Mallett and H. McCarthy (2023). "A clinical approach to tubulopathies in children and young adults." Pediatric Nephrology, vol. 38, no. 3, pp: 651-662. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 121. Kilcullen, M., Y. Kandasamy, D. Watson and Y. Cadet-James (2022). "Stillbirth risks and rates for Aboriginal and Torres Strait Islander women and their babies in North Queensland." Australian and New Zealand Journal of Obstetrics and Gynaecology, vol. 62, no. 1, pp: 86-90.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 122. Kilcullen, M. L., Y. Kandasamy, M. Evans, Y. Kanagasignam, I. Atkinson, S. van der Valk, J. Vignarajan and M. Baxter (2022). "Parents using live streaming video cameras to view infants in a regional NICU: Impacts upon bonding, anxiety and stress." Journal of Neonatal Nursing, vol. 28, no. 1, pp: 42-50. QH employees select link in title to access full text via CKN
- 123. Kirk, F., M. Mashicharan, M. Braddick and P. Saxena (2022). "Staphylococcus hyicus, a novel pathogen causing destructive infective endocarditis requiring mitral annular reconstruction." JTCVS Techniques, vol. 13: 70-73. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 124. Köttgen, A., E. Cornec-Le Gall, J. Halbritter, K. Kiryluk, A. J. Mallett, R. S. Parekh, H. M. Rasouly, M. G. Sampson, A. Tin, C. Antignac, E. Ars, C. Bergmann, A. J. Bleyer, D. Bockenhauer, O. Devuyst, J. C. Florez, K. J. Fowler, N. Franceschini, M. Fukagawa, D. P. Gale, R. A. Gbadegesin, D. B. Goldstein, M. E. Grams, A. Greka, O. Gross, L. M. Guay-Woodford, P. C. Harris, J. Hoefele, A. M. Hung, N. V. A. M. Knoers, J. B. Kopp, M. Kretzler, M. B. Lanktree, B. S. Lipska-Ziętkiewicz, K. Nicholls, K. Nozu, A. Ojo, A. Parsa, C. Pattaro, Y. Pei, M. R. Pollak, E. P. Rhee, S. Sanna-Cherchi, J. Savige, J. A. Sayer, F. Scolari, J. R. Sedor, X. Sim, S. Somlo, K. Susztak, B. O. Tayo, R. Torra, A. M. van Eerde, A. Weinstock, C. A. Winkler, M. Wuttke, H. Zhang, J. M. King, M. Cheung, M. Jadoul, W. C. Winkelmayer, A. G. Gharavi and K. C. Participants (2022). "Genetics in chronic kidney disease: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference." Kidney International, vol. 101, no. 6, pp: 1126-1141.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 125. Lemcke, J., N. Starkey, D. Lindsay and T. Pain (2022). "Patient recall and retention of lymphoedema-linked education knowledge following breast cancer surgery in Australia." Journal of Lymphoedema, vol. 17, no. 1, pp. 24-28. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 126. Li, J. S. Y., A. M. Raghubar, N. A. Matigian, M. S. Y. Ng, N. M. Rogers and A. J. Mallett (2022). "The utility of spatial transcriptomics for solid organ transplantation." Transplantation, December.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 127. Liaw, J., S. Gorton, C. Heal and A. White (2022). "Adherence to secondary prevention of rheumatic fever and rheumatic heart disease in young people: an 11-year retrospective study." Australian and New Zealand Journal of Public Health, vol. 46, no. 6, pp: 758-763.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN

- 128. Lin, Y. C., Y. H. Chang, F. P. C. Chiu, M. Akiyama and C. K. Hsu (2022). "Application of nanopore sequencing in identifying null mutations and intragenic copy number variations (CNVs) in FLG." Journal of Dermatological Science, vol 108, no. 1, pp: 48-50.
 - QH employees select link in title to access full text via CKN
- 129. Lopez, D., K. Murray, D. B. Preen, F. M. Sanfilippo, M. Trevenen, G. J. Hankey, B. B. Yeap, J. Golledge, O. P. Almeida and L. Flicker (2022). "The hospital frailty risk score identifies fewer cases of frailty in a community-based cohort of older men than the FRAIL scale and frailty index." Journal of the American Medical Directors Association, vol. 23, no. 8, pp: 1348-1353, e1348.
 - QH employees select link in title to access full text via CKN
- 130. Luke, C. R., K. Benfer, L. Mick-Ramsamy, R. S. Ware, N. Reid, A. F. Bos, M. Bosanquet and R. N. Boyd (2022). "<u>Early detection of Australian Aboriginal and Torres Strait Islander infants at high risk of adverse neurodevelopmental outcomes at 12 months corrected age: LEAP-CP prospective cohort study protocol.</u>" *BMJ Open*, vol. 12, no. 1.

 Select link in title to access full text via OPEN ACCESS. <u>QH employees can access full text via CKN</u>
- 131. MacDessi, S. J., G. C. Wernecke, D. Bastiras, T. Hooper, E. Heath, M. Lorimer and I. Harris (2022). "Robotic-assisted surgery and kinematic alignment in total knee arthroplasty (RASKAL study): a protocol of a national registry-nested, multicentre, 2×2 factorial randomised trial assessing clinical, intraoperative, functional, radiographic and survivorship outcomes." BMJ open, vol. 12, no. 6: e051088.

 Select link in title for full text access via OPEN ACCESS. QH employees can access full text via CKN
- 132. Mackie, B. R., S. Weber, M. L. Mitchell, J. Crilly, B. Wilson, M. Handy, M. Wullschleger, J. Sharpe, K. McCaffery, P. Lister, M. Boyd, N. Watkins and J. Ranse (2022). "Chemical, biological, radiological, or nuclear response in Queensland Emergency Services: A multisite study." Health Security, vol. 20, no. 3, pp: 222-229.

 Select link in title to access full text via OPEN ACCESS.
- 133. Maddox, D., K. Ward, T. Robertson and M. Boggild (2022). "Cerebral amyloid angiopathy with related inflammation masquerading as crescendo transient ischaemic attacks." Practical neurology, vol. 22, no. 3, pp: 216-219. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 134. Mair, S., L. Crowe, M. Nicholls, S. Senthuran, K. Gibbons and D. Jones (2022). "Prevalence, features and workplace factors associated with burnout among intensivists in Australia and New Zealand." Critical Care and Resuscitation, vol. 24, no. 3, pp: 280-288.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 135. Mallett, A. (2022). "Gird your kidneys? A novel approach to ADPKD therapeutics." Journal of Nephrology, viewed 28 February 2023.
 Contact <u>Library Services</u> for full text
- 136. Mallett, A., P. J. Kearey, A. Cameron, H. G. Healy, C. Denaro, M. Thomas, V. W. Lee, S. L. Stark, M. Fuller, Z. Wang and W. E. Hoy (2022). "The prevalence of Fabry disease in a state-wide chronic kidney disease cohort Outcomes of the aCQuiRE (Ckd.Qld fabRy Epidemiology) study." BMC Nephrology, vol. 23, no. 1. Select link in title to access full text via OPEN ACCESS.
- 137. Mallett, A. J. (2022). "Which patients with CKD will benefit from genomic sequencing? Synthesizing progress to illuminate the future." Current Opinion in Nephrology and Hypertension, vol. 31, no. 6, pp: 541-547.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 138. Martin, E., H. Maher, G. McKeon, S. Patterson, J. Blake and K. Y. Chen (2022). "Long-acting injectable buprenorphine for opioid use disorder: A systematic review of impact of use on social determinants of health." Journal of Substance Abuse Treatment, vol. 139, viewed 28 February 2023.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 139. Martin, F., C. F. Gilks, R. Gibb, A. Jenkins, M. Protani, F. Francis, A. M. Redmond, G. Neilsen, D. Mudge, M. Wolley, E. Binotto, R. Norton, G. R. Nimmo and C. Heney (2022). "Human T-cell leukaemia virus type 1 and Adult T-cell leukaemia/lymphoma in Queensland, Australia: A retrospective cross-sectional study." Sexually Transmitted Infections, vol. 99, no. 1, pp: 50-52.
 - QH employees select link in title to access full text via CKN

- 140. Marwah, R., D. Goonetilleke, J. Smith and M. Chilkuri (2022). "Evaluating delays in patients treated with post-operative radiation therapy for head and neck squamous cell carcinoma." Journal of Medical Imaging and Radiation Oncology, vol. 66, no. 6, pp: 840-846.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 141. Matta, G., T. Ryan and D. Hartman (2022). "Three heads are better than one: Psychiatry trainees' experiences of a psychotherapy written case supervision group with three co-supervisors." Australasian Psychiatry, vol. 30, no. 2, pp: 262-265.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 142. Matthews, E. O., J. V. Moxon, T. P. Singh, S. Thanigaimani, R. E. Jones, T. C. Gasser, R. Fitridge, J. H. N. Lindeman, R. L. Dalman, J. Golledge and T. Investigators (2022). "Athero-occlusive disease appears to be associated with slower abdominal aortic aneurysm growth: an exploratory analysis of the TEDY trial." European Journal of Vascular and Endovascular Surgery, vol. 63, no. 4, pp: 632-640.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 143. Mayall, M., Y. Teoh, B. McDermott, R. Sadhu and M. Bosanquet (2022). "Child and adolescent mental health multiaxial classification: A useful biopsychosocial framework for paediatrics?" Journal of Paediatrics and Child Health, vol. 58, no. 7, pp: 1130-1135.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 144. McAuliffe, M., C. Nagle, K. Yates, L. Brown, V. Watkins, M. Byrne and A. Walters (2022). "Support for midwives to practice with professional autonomy within their full scope of practice: Evidence from a scoping review." Women and birth, vol. 35, p: S29-S29.
 - QH employees can access full text via CKN
- 145. McIntosh, C., A. Elvin, W. Smyth, M. Birks and C. Nagle (2022). "Health promotion, health literacy and vaccine hesitancy:

 The role of humanoid robots." Inquiry (United States), vol. 59, viewed 28 February 2023.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 146. McIntyre, D., A. Bonner and A. McGuire (2022). "<u>Validation of the McIntyre Audit Tool to measure haemodialysis nurse sensitive indicators</u>." *Journal of Renal Care*, viewed 28 February 2023.

 Select link in title to access full text via OPEN ACCESS. <u>QH employees can access full text via CKN</u>
- 147. McNamara, L., K. Scott, R. N. Boyd, E. Farmer, A. Webb, M. Bosanquet, K. Nguyen and I. Novak (2022). "Can web-based implementation interventions improve physician early diagnosis of cerebral palsy? Protocol for a 3-arm parallel superiority randomised controlled trial and cost-consequence analysis comparing adaptive and non-adaptive virtual patient instructional designs with control to evaluate effectiveness on physician behaviour, diagnostic skills and patient outcomes." BMJ Open, vol. 12, no. 11.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 148. McWhirter, S., R. Foster, A. Halbert, R. Miller, V. A. Morgan, M. Rademaker, S. Robertson, L. Scardamaglia, L. Warren, L.
- C. Wong, T. Zappala and D. Orchard (2022). "<u>Discoid (nummular) eczema in the paediatric setting An Australian/New Zealand narrative</u>." Australasian Journal of Dermatology, vol. 63, no. 4, pp: e289-e296.
- Link to abstract only. Contact <u>Library Services</u> for full text
- 149. Menêses, A., D. Krastins, M. Nam, T. Bailey, J. Quah, V. Sankhla, J. Lam, P. Jha, K. Schulze, J. O'Donnell, R. Magee, J. Golledge, K. Greaves and C. D. Askew (2022). "Toward a better understanding of muscle microvascular perfusion during exercise in patients with peripheral artery disease: The effect of lower-limb revascularization." Journal of Endovascular Therapy, viewed 28 February 2023.
 - Link to abstract only. Contact <u>Library Services</u> for full text
- 150. Mercieca-Bebber, R., E. H. Barnes, K. Wilson, Z. Samoon, E. Walpole, T. Mai, S. Ackland, M. Burge, G. Dickie, D. Watson, J. Leung, T. Wang, R. Bohmer, D. Cameron, J. Simes, V. Gebski, M. Smithers, J. Thomas, J. Zalcberg and A. P. Barbour (2022). "Patient-reported outcome (PRO) results from the AGITG DOCTOR trial: a randomised phase 2 trial of tailored neoadjuvant therapy for resectable oesophageal adenocarcinoma." BMC Cancer, vol. 22, no. 1.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 151. Merone, L., K. Tsey, D. Russell and C. Nagle (2022). "" <u>I just want to feel safe going to a doctor": Experiences of female patients with chronic conditions in Australia</u>." Women's Health Reports, vol. 3, no. 1, pp: 1016-1028. Select link in title to access full text via OPEN ACCESS. <u>QH employees can access full text via CKN</u>

- 152. Mgbemena, N., A. Jones, P. Saxena, N. Ang, S. Senthuran and A. Leicht (2022). "Acute changes in handgrip strength, lung function and health-related quality of life following cardiac surgery." PLOS ONE, vol. 17, no. 2.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 153. Mitchell, R., C. Kingston, R. Tefatu, S. Bornstein, M. Kendino, D. Sengiromo, J. Pole, S. Kuk, B. Josaiah, L. Elton, C. Banks, S. Körver, P. Cameron and G. O'Reilly (2022). "Emergency department triage and COVID-19: Performance of the Interagency Integrated Triage Tool during a pandemic surge in Papua New Guinea." EMA Emergency Medicine Australasia, vol. 34, no. 5, pp: 822-824.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 154. Mitchell, R., J. J. McKup, C. Banks, R. Nason, G. O'Reilly, S. Kandelyo, S. Bornstein, T. Cole, T. Reynolds, P. Ripa, S. Körver and P. Cameron (2022). "Validity and reliability of the Interagency Integrated Triage Tool in a regional emergency department in Papua New Guinea." EMA Emergency Medicine Australasia, vol. 34, no. 1, pp: 99-107.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 155. Morris, D. R., G. T. Jones, M. V. Holmes, M. J. Bown, R. Bulbulia, T. P. Singh and J. Golledge (2022). "Genetic predisposition to diabetes and abdominal aortic aneurysm: A two stage mendelian randomisation study." European Journal of Vascular and Endovascular Surgery, vol. 63, no. 3, pp: 512-519.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 156. Morris, J. L., P. McEwen, H. L. Letson and G. P. Dobson (2022). "Anterior cruciate ligament reconstruction surgery: creating a permissive healing phenotype in military personnel and civilians for faster recovery." Military Medicine, vol. 187, nos. 11-12, pp: 1310-1317.

 Select link in title for full text access via OPEN ACCESS. OH employees can access full text via CKN
- 157. Morrison, T., R. Datta, L. Masters, M. Boggild, S. Reddel and J. Brennan (2022). "MR scalpel sign' of spinal arachnoid web." Practical Neurology, viewed 28 February 2023.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 158. Moxon, J. V., A. K. Kraeuter, J. Phie, S. Juliano, G. Anderson, G. Standley, C. Sealey, R. P. White and J. Golledge (2022). "Serum angiopoietin-1 concentration does not distinguish patients with ischaemic stroke from those presenting to hospital with ischaemic stroke mimics." BMC Cardiovascular Disorders, vol. 22, no. 1. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 159. Muccignat, D. L., P. W. Stokes, D. G. Cocks, J. R. Gascooke, D. B. Jones, M. J. Brunger and R. D. White (2022). "Simulating the feasibility of using liquid micro-jets for determining electron—liquid scattering cross-sections." International Journal of Molecular Sciences, vol. 23, no. 6.

 Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 160. Nagle, C., L. Hui, T. Charles, H. Wright and J. Halliday (2022). "YourChoice a decision aid app for genomic prenatal testing." Women and birth, vol. 35, pp: S21-S22.

 QH employees can access full text via CKN
- 161. Nayyar, S. (2022). "Intracardiac electrogram targets for ventricular tachycardia ablation." Cardiac Electrophysiology Clinics, vol. 14, no. 4, pp: 559-570.
 QH employees select link in title to access full text via CKN
- 162. Ng, B., S. Nayyar and V. S. Chauhan (2022). "The role of artificial intelligence and machine learning in clinical cardiac electrophysiology." Canadian Journal of Cardiology, vol. 38, no. 2, pp: 246-258.
 QH employees select link in title to access full text via CKN
- 163. Ng, M. S., E. Malacova, C. Hurst, M. C. David, D. W. Johnson and A. J. Mallett (2022). "Corrigendum: "Clinical Outcomes of people with Fabry disease ANZDATA Registry Study." (Kidney International Reports (2021) 6(9) (2481–2485), (S2468024921012390), (10.1016/j.ekir.2021.06.013))." Kidney International Reports, vol. 7, no. 3, p: 664. QH employees select link in title to access full text via CKN
- 164. Ng, M. S. Y., V. Charu, D. W. Johnson, M. M. O'Shaughnessy and A. J. Mallett (2022). "National and international kidney failure registries: characteristics, commonalities, and contrasts." Kidney International, vol. 101, no. 1, pp: 23-35. Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN

- 165. O'Shea, R., A. Wood, C. Patel, H. J. McCarthy, A. Mallawaarachchi, C. Quinlan, C. Simons, Z. Stark and A. J. Mallett (2022). "Participant choice towards receiving potential additional findings in an Australian nephrology research genomics study." Genes, vol.13, no.10.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 166. O'Callaghan, W. B., C. Gouk, M. P. R. Wilkinson and K. Haztratwala (2022). "Computer-aided surgery-navigated, functional alignment total knee arthroplasty: A surgical technique." Arthroplasty Today, vol. 14, pp: 121-127.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 167. Odelli, A. L., A. Holyoak, S. Yadav, S. M. Page and D. Lindsay (2022). "The effect of cardiopulmonary bypass on blood thiamine concentration and its association with post-operative lactate concentration." Journal of Cardiothoracic Surgery, vol. 17, no. 1.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 168. Oei, J. L. and Y. Kandasamy (2022). "Population data suggest persistently high risk of pregnancy complications in women with chronic kidney disease." Evidence-based nursing, vol. 25, no. 3, p: 106.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 169. Pan, J. R., T. Y. Li, D. Tucker and K. Y. Chen (2022). "Pregnancy outcomes in women with active anorexia nervosa: a systematic review." Journal of Eating Disorders, vol. 10, no. 1.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 170. Paraskevas, K. I., P. Gloviczki, P. L. Antignani, A. J. Comerota, A. Dardik, A. H. Davies, H. H. Eckstein, G. Faggioli, J. Fernandes e Fernandes, G. Fraedrich, G. Geroulakos, J. Golledge, A. Gupta, V. S. Gurevich, A. Jawien, M. K. Jezovnik, S. K. Kakkos, M. Knoflach, G. Lanza, C. D. Liapis, I. M. Loftus, A. Mansilha, A. N. Nicolaides, R. Pini, P. Poredos, R. M. Proczka, J. B. Ricco, T. Rundek, L. Saba, F. Schlachetzki, M. Silvestrini, F. Spinelli, F. Stilo, J. S. Suri, A. V. Svetlikov, C. J. Zeebregts, S. Chaturvedi, F. J. Veith and D. P. Mikhailidis (2022). "Benefits and drawbacks of statins and non-statin lipid lowering agents in carotid artery disease." Progress in Cardiovascular Diseases, vol. 73, pp: 41-47.

 QH employees select link in title to access full text via CKN
- 171. Paraskevas, K. I., D. P. Mikhailidis, P. L. Antignani, E. Ascher, H. Baradaran, R. P. H. Bokkers, R. P. Cambria, A. J. Comerota, A. Dardik, A. H. Davies, H. H. Eckstein, G. Faggioli, J. Fernandes e Fernandes, G. Fraedrich, G. Geroulakos, P. Gloviczki, J. Golledge, A. Gupta, M. K. Jezovnik, S. K. Kakkos, N. Katsiki, M. Knoflach, M. Eline Kooi, G. Lanza, G. S. Lavenson, Jr., C. D. Liapis, I. M. Loftus, A. Mansilha, A. Millon, A. N. Nicolaides, R. Pini, P. Poredos, R. M. Proczka, J. B. Ricco, T. S. Riles, P. A. Ringleb, T. Rundek, L. Saba, F. Schlachetzki, M. Silvestrini, F. Spinelli, F. Stilo, S. Sultan, J. S. Suri, A. V. Svetlikov, C. J. Zeebregts and S. Chaturvedi (2022). "Comparison of recent practice guidelines for the management of patients with asymptomatic carotid stenosis." Angiology, vol. 73, no. 10, pp: 903-910.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 172. Paraskevas, K. I., D. P. Mikhailidis, P. L. Antignani, H. Baradaran, R. P. H. Bokkers, R. P. Cambria, A. Dardik, A. H. Davies, H. H. Eckstein, G. Faggioli, J. Fernandes E Fernandes, G. Fraedrich, G. Geroulakos, P. Gloviczki, J. Golledge, A. Gupta, M. K. Jezovnik, S. K. Kakkos, N. Katsiki, M. Knoflach, M. E. Kooi, G. Lanza, C. D. Liapis, I. M. Loftus, A. Mansilha, A. Millon, A. N. Nicolaides, R. Pini, P. Poredos, J. B. Ricco, T. S. Riles, P. A. Ringleb, T. Rundek, L. Saba, F. Schlachetzki, M. Silvestrini, F. Spinelli, F. Stilo, S. Sultan, J. S. Suri, C. J. Zeebregts and S. Chaturvedi (2022). "Optimal management of asymptomatic carotid stenosis in 2021: the jury is still out. An international, multispecialty, expert review and position statement," International Angiology vol. 41, no. 2, pp: 158-169.

 Link to abstract only. Contact Library Service for full text
- 173. Paraskevas, K. I., D. P. Mikhailidis, P. L. Antignani, H. Baradaran, R. P. H. Bokkers, R. P. Cambria, A. Dardik, A. H. Davies, H. H. Eckstein, G. Faggioli, J. F. e Fernandes, G. Fraedrich, G. Geroulakos, P. Gloviczki, J. Golledge, A. Gupta, M. K. Jezovnik, S. K. Kakkos, N. Katsiki, M. Knoflach, M. E. Kooi, G. Lanza, C. D. Liapis, I. M. Loftus, A. Mansilha, A. Millon, A. N. Nicolaides, R. Pini, P. Poredos, J. B. Ricco, T. S. Riles, P. A. Ringleb, T. Rundek, L. Saba, F. Schlachetzki, M. Silvestrini, F. Spinelli, F. Stilo, S. Sultan, J. S. Suri, C. J. Zeebregts and S. Chaturvedi (2022). "Optimal management of asymptomatic carotid stenosis in 2021: The jury is still out. an international, multispecialty, expert review and position statement." Journal of Stroke and Cerebrovascular Diseases, vol. 31, no. 1, p: 106182 (13 pages).

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 174. Park, S. B., T. Li, M. C. Kiernan, N. Garg, I. Wilson, R. White, M. Boggild, A. McNabb, M. Lee-Archer and B. V. Taylor (2022). "Prevalence of chronic inflammatory demyelinating polyneuropathy and multifocal motor neuropathy in two regions of Australia." Muscle and Nerve, vol. 66, no. 5, pp: 576-582. QH employees select link in title to access full text via CKN

- 175. Paw, E., V. Vangaveti, M. Zonta and C. Heal (2022). "Protocol for an open randomised controlled trial investigating Fibrin Glue in Skin grafts for Skin cancer (FiGSS)." BMJ Open, vol. 12, no. 11. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 176. Phie, J., S. Thanigaimani, P. Huynh, R. Anbalagan, C. S. Moran, R. Kinobe, J. V. Moxon, M. A. Field, S. M. Krishna and J. Golledge (2022). "Colchicine does not reduce abdominal aortic aneurysm growth in a mouse model." Cardiovascular Therapeutics, 2022.
 - Select link in title to access full text via OPEN ACCESS.
- 177. Phillips, D., L. Matheson, T. Pain and G. A. Kingston (2022). "Evaluation of an occupational therapy led Paediatric Burns Telehealth Review Clinic: exploring the experience of family/carers and clinicians." Rural and Remote Health, vol. 22, no. 1. QH employees select link in title to access full text via CKN
- 178. Popat, H., S. Reid, A. Gordon, K. De Waal, I. M. Wright, A. Wright, J. Buchan, M. Stubbs, J. Newnham, K. Simmer, C. Young, D. Loh, Y. Kok, A. Gill, T. Strunk, M. Jeffery, Y. Chen, S. Morris, S. Sinhal, K. Cornthwaite, S. P. Walker, A. M. Watkins, C. L. Collins, J. R. Holberton, E. J. Noble, A. Sehgal, E. Yeomans, K. Elsayed, A.-L. Mohamed, M. Broom, G. Koh, A. Lawrence, G. Gardener, J. Fox, D. W. Cartwright, P. Koorts, M. A. Pritchard, L. McKeown, A. Lainchbury, A. W. Shand, J. Michalowski, J. P. Smyth, S. Bolisetty, A. Adno, G. Lee, A. L. Seidler, L. M. Askie, K. M. Groom, D. A. Eaglen, E. C. Baker, H. Patel, N. Wilkes, J. E. Gullam, N. Austin, D. E. Leishman, P. Weston, N. White, N. A. Cooper, R. Broadbent, M. Stitely, P. Dawson, W. El-Naggar, M. Furlong, T. Hatfield, D. de Luca, A. Benachi, E. Letamendia-Richard, G. Escourrou, V. Dell'Orto, D. Sweet, M. Millar, S. Shah, L. Sheikh, S. Ariff, E. A. Morris, L. Young, S. K. Evans, M. Belfort, K. Aagaard, M. Pammi, G. Mandy, M. Gandhi, J. Davey, E. Shenton, J. Middleton, R. Black, A. Cheng, J. Murdoch, C. Jacobs, L. Meyer, K. Medlin, H. Woods, K.-A. O'Connor, C. Bice, K. Scott, M. Hayes, D. Cruickshank, M. Sam, S. Ireland, C. Dickinson, L. Poulsen, A. Fucek, J. Hegarty, J. Rogers, D. Sanchez, V. Zupan Simunek, B. Hanif, A. Pahl, J. Metayer, L. Duley, N. Marlow, D. Schofield, J. Bowen, K. P. Robledo, W. O. Tarnow-Mordi, I. Rieger, P. Suresh, A. Martin, C. Yeung, A. Ghadge, H. G. Liley, D. Osborn, J. Morris, W. Hague, M. Kluckow, K. Lui, R. Soll, M. Cruz, A. Keech, A. Kirby and J. Simes (2022). "Effects of delayed versus immediate umbilical cord clamping in reducing death or major disability at 2 years corrected age among very preterm infants (APTS): a multicentre, randomised clinical trial." The Lancet Child & Adolescent Health, vol. 6, no. 3, pp: 150-157. Select link in title to access full text via OPEN ACCESS
- 179. Powers, M. and J. Baines (2022). "Electron streaming effect associated with the elekta unity anterior imaging coil." Frontiers in Physics, vol. 10.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 180. Powers, M., J. Baines, R. Crane, C. Fisher, S. Gibson, L. Marsh, B. Oar, A. Shoobridge, E. Simpson-Page, M. Van der Walt and G. de Vine (2022). "Commissioning measurements on an Elekta Unity MR-Linac." Physical and Engineering Sciences in Medicine, vol. 45, no. 2, pp: 457-473. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 181. Raghubar, A. M., D. T. Pham, X. Tan, L. F. Grice, J. Crawford, P. Y. Lam, S. B. Andersen, S. Yoon, S. M. Teoh, N. A. Matigian, A. Stewart, L. Francis, M. S. Y. Ng, H. G. Healy, A. N. Combes, A. J. Kassianos, Q. Nguyen and A. J. Mallett (2022). "Spatially resolved transcriptomes of mammalian kidneys illustrate the molecular complexity and interactions of functional nephron segments." Frontiers in Medicine, vol. 9, viewed 1 March 2023. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 182. Raghubar, A. M., M. J. Roberts, S. Wood, H. G. Healy, A. J. Kassianos and A. J. Mallett (2022). "Cellular milieu in clear cell renal cell carcinoma." Frontiers in Oncology, vol. 12, viewed 1 March 2023. QH employees select link in title to access full text via CKN
- 183. Raman, J., T. Tnay and P. Saxena (2022). "Frailty as a dynamic measure for the assessment of aortic valve intervention." Heart Lung and Circulation, vol. 31, no. 4, pp: 460-461. QH employees select link in title to access full text via CKN
- 184. Robards, S., A. Brown, T. Pain, D. Patel, A. Tan and H. Carter (2022). "A value-based approach to prostate cancer imageguidance in a regional radiation therapy centre: a cost-minimisation analysis." Technical Innovations and Patient Support in Radiation Oncology, vol. 24, pp: 131-136. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 185. Roberts, K., J. Rayner, E. Hyland, D. Ljuhar, K. Roberts, T. Little, S. King, K. Roberts, J. Rayner, Y. Zhao, A. Rout, R. Lane, A. Houlton, E. Hyland, P. Mishra, G. Tinawi, V. Meiyappan, P. Tawhai, T. Greer, A. Collaborative, g. Writing, a. Statistical, A. Starship Children's Hospital, H. Monash, H. Canberra, H. Wellington, H. Waikato and H. Perth Children's (2022). "Impact of COVID-19 on appendicitis presentations in children in Australia and New Zealand." ANZ Journal of Surgery, vol. 92, no. 4,
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN

- 186. Roberts, N. A., A. Cubitt, D. Lindsay, K. Bury, J. Dixon, C. Gebbie, C. A. Hawkins, T. Major, S. Jenkins-Marsh, B. Morris-Smith, M. Poxton, S. Richmond, D. Smith, A. Stoneley, D. A. Thaker, E. Wilson, A. Woollett, C. Underhill and S. Sabesan (2022). "Teletrials, the new norm? Expert recommendations for teletrials into the future: Findings from the Clinical Oncology Society of Australia Clinical Trial Research Professionals Group Workshop." Asia-Pacific Journal of Clinical Oncology, vol. 18, no. 6, pp: 650-659.
 - QH employees select link in title to access full text via CKN
- 187. Robertson, C. L., G. Ghosh, P. Fitzgerald, G. J. Hankey, I. Levinger, J. Golledge, O. P. Almeida, L. Flicker, P. R. Ebeling and B. B. Yeap (2022). "Bone turnover markers including undercarboxylated osteocalcin are associated with mortality risk in older men." Journal of Bone and Mineral Research, vol. 37, no. 8, pp: 1464-1472.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 188. Robledo, K. P., W. O. Tarnow-Mordi, I. Rieger, P. Suresh, A. Martin, C. Yeung, A. Ghadge, H. G. Liley, D. Osborn, J. Morris, W. Hague, M. Kluckow, K. Lui, R. Soll, M. Cruz, A. Keech, A. Kirby and J. Simes (2022). "Effects of delayed versus immediate umbilical cord clamping in reducing death or major disability at 2 years corrected age among very preterm infants (APTS): a multicentre, randomised clinical trial." Lancet Child Adolescent Health, vol. 6, no. 3, pp: 150-157. Select link in title for full text access via OPEN ACCESS
- 189. Rodrigues, B. T., V. N. Vangaveti, R. Urkude, E. Biros and U. H. Malabu (2022). "Prevalence and risk factors of lower limb amputations in patients with diabetic foot ulcers: A systematic review and meta-analysis." Diabetes and Metabolic Syndrome: Clinical Research and Reviews, vol. 16, no. 2.

 QH employees select link in title to access full text via CKN
- 190. Romo-Rico, J., S. M. Krishna, K. Bazaka, J. Golledge and M. V. Jacob (2022). "<u>Potential of plant secondary metabolite-based polymers to enhance wound healing.</u>" *Acta Biomaterialia*, vol. 147, pp: 34-49.

 Link to abstract only. Contact <u>Library Services</u> for full text
- 191. Romo-Rico, J., S. Murali Krishna, J. Golledge, A. Hayles, K. Vasilev and M. V. Jacob (2022). "Plasma polymers from oregano secondary metabolites: Antibacterial and biocompatible plant-based polymers." Plasma Processes and Polymers, vol. 19, no. 7.

 Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 192. Rosa, S. B., K. Hazratwala and M. P. R. Wilkinson (2022). "Mismatch between trochlear coronal alignment of arthritic knees and currently available prosthesis: a morphological analysis of 4116 knees and 45 implant designs." Knee Surgery Sports Traumatology Arthroscopy, December 2, 2022.

 Select link in title for full text access via OPEN ACCESS. OH employees can access full text via CKN
- 193. Sabesan, S. and L. Roberts (2022). "The art and science of clinicians leading change." Medical Journal of Australia, vol. 216, no. 4, pp: 175-177.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 194. Sabesan, S., D. Xing and J. Gallo (2022). "<u>Telemedicine platforms must be leveraged to strengthen rural health systems</u>."

 Journal of Medical Radiation Sciences, vol. 69, no. 3, pp: 277-278.

 Select link in title to access full text via OPEN ACCESS. <u>QH employees can access full text via CKN</u>
- 195. Sanghera, G. K. and A. Ingle (2022). "<u>Unilateral refractory late periprosthetic breast implant seroma and biofilm</u>." *ANZ Journal of Surgery,* vol. 92, no. 3, pp: 592-594.

 QH employees select link in title to access full text via CKN
- 196. Saxena, P. and J. Raman (2022). "Rigid Plate Fixation for Sternal Closure." Operative Techniques in Thoracic and Cardiovascular Surgery, vol. 27, 2, pp: 152-160.
 QH employees select link in title to access full text via CKN
- 197. Schults, J. A., P. Calleja, E. Slaughter, R. Paterson, C. M. Rickard, C. Booker, N. Marsh, M. Fenn, J. Kelly, P. J. Snelling, J. Byrnes, G. Keijzers and M. Cooke (2022). "Peripheral intravenous catheter insertion and use of ultrasound in patients with difficult intravenous access: Australian patient and practitioner perspectives to inform future implementation strategies." PLoS ONE, vol. 17, no. 6 (online publication 24 June). Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 198. Scuderi, C., M. Rice, A. Hendy, N. Anning, S. Perks, M. Antonel, L. Brown, C. Rawlings and S. Ratanjee (2022). "Implementing pharmacist-led deprescribing in the haemodialysis unit: a quality use of medicine activity in the Queensland hospital setting." Journal of Pharmacy Practice and Research, vol. 52, no. 5, pp: 356-361. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN

- 199. Scuderi, C., S. Parker, M. Jacks, G. T. John, B. McWhinney, J. Ungerer, A. Mallett, H. Healy, J. Roberts and C. Staatz (2022). "Finger-prick microsampling methods can replace venepuncture for simultaneous therapeutic drug monitoring of tacrolimus, mycophenolic acid, and prednisolone concentrations in adult kidney transplant patients." Therapeutic drug monitoring, vol. 45, no. 1, pp: 69-78.

 Link to abstract only. Contact Library Service for full text
- 200. Seneviratne, M., M. E. Fernando, Y. Kandasamy, A. White, V. Sabesan and R. Norton (2022). "Cytomegalovirus infection in a single-centre Australian neonatal cohort." Journal of Paediatrics and Child Health, vol. 58, no. 7, pp: 1136-1144.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 201. Seng, L., A. Drovandi, M. E. Fernando and J. Golledge (2022). "Opinions about the most appropriate surgical management of diabetes-related foot infection: a cross-sectional survey." Journal of Foot and Ankle Research, vol. 15, no. 1.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 202. Shahid, U. and A. Rane (2022). "Gender based violence." Gynecology and Obstetrics Clinical Medicine, vol. 2, no. 3, pp: 151-152.

 QH employees select link in title to access full text via CKN
- 203. Shakhovskoy, R., N. Dodd, N. Masters, K. New, A. L. Hamilton, G. Nash, N. Barr, K. George, F. Pelly, C. Reid, J. Taylor and F. Bogossian (2022). "Recommendations for the design of interprofessional education: Findings from a narrative scoping review." Focus on Health Professional Education, vol. 23, no. 4, pp: 82-117.

 Select link in title to access full text via OPEN ACESS. QH employees can access full text via CKN
- 204. Sharma, D. K., P. Dham and B. McDermott (2022). "Medical emergency training for doctors and nurses in psychiatry: A quality improvement study." Australasian Psychiatry, vol. 30, no. 6, pp: 759-761.

 Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 205. Sharma, H., S. Sharma, A. Krishnan, D. Yuan, V. N. Vangaveti, U. H. Malabu and N. Haleagrahara (2022). "The efficacy of inflammatory markers in diagnosing infected diabetic foot ulcers and diabetic foot osteomyelitis: Systematic review and meta-analysis." PLOS ONE, vol.17, no. (4): e0267412.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 206. Shiggins, C., B. Ryan, R. O'Halloran, E. Power, J. Bernhardt, R. I. Lindley, G. McGurk, G. J. Hankey and M. L. Rose (2022). "Towards the consistent inclusion of people with aphasia in stroke research irrespective of discipline." Archives of Physical Medicine and Rehabilitation, vol. 103, no. 11, pp: 2256-2263.

 QH employees select link in title to access full text via CKN
- 207. Shoobridge, A. S. and J. A. Baines (2022). "Evaluation of MU2net as an online secondary dose check for MR guided radiation therapy with the Elekta unity MR linac." Physical and Engineering Sciences in Medicine, vol, 45, no. 2, pp: 429-441.
 Link to abstract only. Contact Library Services for full text
- 208. Singh, T. P., J. V. Moxon, T. C. Gasser, R. L. Dalman, M. Bourke, B. Bourke, S. M. Tomee, J. Dawson, J. Golledge and T.
- investigators (2022). "Effect of telmisartan on the peak wall stress and peak wall rupture index of small abdominal aortic aneurysms: An exploratory analysis of the TEDY trial." European Journal of Vascular and Endovascular Surgery, vol. 64, no. 4, pp: 396-404.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 209. Singh, T. P., R. B. Velu, F. Quigley and J. Golledge (2022). "Association of chronic venous disease with major adverse cardiovascular events." Journal of Vascular Surgery: Venous and Lymphatic Disorders, vol. 10, no. 3, pp: 683-688. QH employees select link in title to access full text via CKN
- 210. Skiba, R., S. Theodore, A. Sinha and P. Saxena (2022). "Pulmonary amyloidoma." ANZ Journal of Surgery, viewed 1 March 2023.
 - QH employees select link in title to access full text via CKN
- 211. Slater, P., Y. Hastings, J. Nicholson, M. Noyes, L. Benitez, K. Pollock, R. Peacock, A. Cox, R. Gunning, K. Caris, D. Petersen, C. Henry, R. Spanner, K. Beckett and C. Chisholm (2022). "Fifteen years of shared care for paediatric oncology, haematology and palliative patients across Queensland: The role of regional case managers." Australian Journal of Rural Health, viewed 1 March 2023.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN

- 212. Smith, J., G. Alcock and R. Jones (2022). "Concordance of infrared non-contact thermometer aimed at the forehead versus digital thermometer via axilla method in the preterm and term infant on admission to the Townsville Neonatal unit."

 Journal of Neonatal Nursing, vol. 28, no. 2, pp: 103-106.

 QH employees select link in title to access full text via CKN
- 213. Smith, J., G. Alcock, B. Monk and R. Jones (2022). "Concordance of temperature measurements on preterm and term infants using oesophageal (core), axilla & skin methods in a neonatal intensive care unit." Journal of Neonatal Nursing, vol. 28, no.6, pp: 445-451.
 QH employees select link in title to access full text via CKN
- 214. Smith, J., G. Alcock, B. N. Monk and E. R. Jones (2022). "Core and peripheral temperature as a marker for sepsis in the preterm infant." Journal of Neonatal Nursing, vol. 28, no. 5, pp: 340-343.

 QH employees select link in title to access full text via CKN
- 215. Smith, J., A. Jakobsson, V. J. Kain, Y. Kandasamy and R. Bragg (2022). "Neonatal electronic resuscitation app documentation (NeRD): Electronic documentation compared to written documentation." Journal of Neonatal Nursing, viewed 1 March 2023.
 - QH employees select link in title to access full text via CKN
- 216. Smith, J., K. Togawa, C. Dresler, F. Hawari, Z. M. Zain, B. Stewart, G. W. Warren and F. Sitas (2022). "Smoking cessation after a cancer diagnosis: Commentary on special supplement in cancer epidemiology." Cancer Epidemiology, vol. 79, viewed 1 March 2023.
 - QH employees select link in title to access full text via CKN
- 217. Smyth, W., J. McArdle, K. Wicking, K. Quayle and C. Nagle (2022). "Facilitating personal hygiene choices for renal patients with central venous lines: a multi-phase study." Australian Journal of Advanced Nursing, vol. 39, no. 3.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 218. Smyth, W., J. McArdle, J. Body-Dempsey, V. Manickam, A. Swinbourne, I. Lee, J. Holdsworth, O. Omonaiye and C. Nagle (2022). "Immersive virtual reality in a northern Queensland haemodialysis unit: Study protocol for a cross-over randomized controlled feasibility trial (ACTRN12621000732886)." Contemporary Clinical Trials Communications, vol. 28, viewed 1 March, 2023.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 219. Somasundaram, H., P. N. Boyer, J. Casey, M. Wong and V. Shenoy (2022). "Primary adrenal lymphoma as a rare cause of primary adrenal insufficiency: Challenges in management and a review of the literature." AACE Clinical Case Reports, vol. 8, no. 5, pp: 199-203.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 220. Soraru, J., A. Chakera, N. Isbel, A. Mallawaarachichi, N. Rogers, P. Trnka, C. Patel and A. J. Mallett (2022). "The evolving role of diagnostic genomics in kidney transplantation." Kidney International Reports, vol. 7, no. 8, pp: 1758-1771.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 221. Soraru, J., S. Jahan, C. Quinlan, C. Simons, L. Wardrop, R. O'Shea, A. Wood, A. Mallawaarachchi, C. Patel, Z. Stark, A. J. Mallett (2022). "The HIDDEN Protocol: An Australian prospective cohort study to determine the utility of whole genome sequencing in kidney failure of unknown aetiology." Frontiers in Medicine, vol. 9, viewed 1 March 2023. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 222. Stoikov, S., L. Maxwell, J. Butler, K. Shardlow, M. Gooding and S. Kuys (2022). "The transition from physiotherapy student to new graduate: are they prepared?" Physiotherapy Theory and Practice, vol. 38, no. 1, pp: 101-111.

 QH employees select link in title to access full text via CKN
- 223. Subramaniam, S. S. (2022). "Intraoperative flap warming: The novel use of a sterile cardiac forced warm air blanket for maintaining optimal flap perfusion." Journal of Oral and Maxillofacial Surgery, vol. 80, no. 8, pp: 1451-1452. QH employees select link in title to access full text via CKN
- 224. Sweeny, A. L., C. Bourke, T. M. Torpie, S. Sargeant, J. Hughes, J. Watson, S. Conroy, A. Carrasco, K. Tighe, N. S. Thornton, A. S. Cumner and K. Baird (2022). "Improving domestic violence screening practices in the emergency department: An <u>Australian perspective</u>." Emergency Medicine Journal, viewed 1 March 2023.

 QH employees select link in title to access full text via CKN

- 225. Symonds, T., A. Grant, K. Doma, D. Hinton, M. Wilkinson and L. Morse (2022). "The efficacy of topical preparations in reducing the incidence of Cutibacterium acnes at the start and conclusion of total shoulder arthroplasty: a randomized controlled trial." Journal of Shoulder and Elbow Surgery, vol. 31, no. 6, pp: 1115-1121.

 QH employees select link in title to access full text via CKN
- 226. Tang, W., C. A. Flavell, A. Grant and K. Doma (2022). "The effects of exercise on function and pain following total hip arthroplasty: a systematic literature review and meta-analysis." Physical Therapy Reviews, vol. 27, no. 4, pp: 247-266. QH employees select link in title to access full text via CKN
- 227. Taylor, E. V., M. Lyford, L. Parsons, M. Holloway, K. Gough, S. Sabesan and S. C. Thompson (2022). "Putting policy into practice: How three cancer services perform against indigenous health and cancer frameworks." International Journal of Environmental Research and Public Health, vol. 19, no. 2.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 228. Taylor, L., M. Wankell, P. Saxena, C. McFarlane and L. Hebbard (2022). "Cell adhesion an important determinant of myogenesis and satellite cell activity." Biochimica et Biophysica Acta Molecular Cell Research, vol. 1869, no. 2. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 229. Thanigaimani, S., V. Iyer, J. Bingley, D. Browne, J. Phie, D. Doolan and J. Golledge (2022). "Association between serum MicroRNAs and abdominal aortic aneurysm diagnosis and growth," European journal of vascular and endovascular surgery: the official journal of the European Society for Vascular Surgery.

 QH employees select link in title to access full text via CKN
- 230. Thanigaimani, S., A. Drovandi and J. Golledge (2022). "A meta-analysis of randomized controlled trials evaluating the efficacy of smoking cessation interventions in people with peripheral artery disease." Journal of Vascular Surgery, vol. 75, no. 2, pp: 721-729.e727.

 QH employees select link in title to access full text via CKN
- 231. Thanigaimani, S., A. Drovandi and J. Golledge (2022). "Reply." Journal of Vascular Surgery, 75, no. 5, pp: 1791-1792. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 232. Thanigaimani, S., M. Ibrahim and J. Golledge (2022). "Potential of disease-modifying anti-rheumatic drugs to limit abdominal aortic aneurysm growth." Biomedicines, vol. 10, no. 10.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 233. Thanigaimani, S., H. Jin, M. T. Silva and J. Golledge (2022). "Network meta-analysis of trials testing if home exercise programs informed by wearables measuring activity improve peripheral artery disease related walking impairment." Sensors, vol. 22, no. 20.
 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 234. Thanigaimani, S., J. Phie, F. Quigley, M. Bourke, B. Bourke, R. Velu, J. Jenkins and J. Golledge (2022). "Association of diagnosis of depression and small abdominal aortic aneurysm growth." Annals of Vascular Surgery, vol. 79, pp. 256-263. QH employees select link in title to access full text via CKN
- 235. Thanigaimani, S., J. Phie, F. Quigley, M. Bourke, B. Bourke, R. Velu, J. Jenkins and J. Golledge (2022). "Immunosuppressive drugs for nontransplant comorbidities are not associated with abdominal aortic aneurysm growth." JVS-Vascular Science, vol. 3, pp: 306-313.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 236. Thanigaivel, R., R. Bretag-Norris, A. Amos and B. McDermott (2022). "A systematic review of maternal and infant outcomes after clozapine continuation in pregnancy." International Journal of Psychiatry in Clinical Practice, vol. 26, no. 2, pp: 178-182.
 QH employees select link in title to access full text via CKN
- 237. Thomas Manapurathe, D., J. V. Moxon, S. M. Krishna, F. Quigley, M. Bourke, B. Bourke, R. E. Jones and J. Golledge (2022). "Cohort study examining the association of optimal blood pressure control at entry with infrarenal abdominal aortic aneurysm growth." Frontiers in Cardiovascular Medicine, vol. 9, p. 928 (7 pages), viewed 1 March 2023. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 238. Tian, R., M. Trevenen, A. H. Ford, D. M. P. Jayakody, G. J. Hankey, B. B. Yeap, J. Golledge, L. Flicker and O. P. Almeida (2022). "<u>Hearing impairment and frailty in later life: The Health in Men Study (HIMS)</u>." *Maturitas,* vol. 156, pp: 30-36. QH employees select link in title to access full text via CKN

- 239. Ting, M. J. M., Z. Hyde, L. Flicker, O. P. Almeida, J. Golledge, G. J. Hankey and B. B. Yeap (2022). "<u>Associations between diabetes, body mass index and frailty: The Western Australian Health in Men Study.</u>" *Maturitas,* vol. 161, pp: 58-64. QH employees select link in title to access full text via CKN
- 240. Tran, T., P. McEwen, Y. Peng, A. Trivett, R. Steele, W. Donnelly and G. Clark (2022). "<u>Kinematic alignment in total knee arthroplasty: a five-year prospective, multicentre, survivorship study.</u>" *Bone & Joint Open,* vol. 3, no. 8, pp: 656-665. Select link in title for full text access via OPEN ACCESS. <u>QH employees can access full text via CKN</u>
- 241. Trevenen, M. L., J. Heyworth, O. P. Almeida, B. B. Yeap, G. J. Hankey, J. Golledge, C. Etherton-Beer, S. Robinson, M. J. Nieuwenhuijsen and L. Flicker (2022). "Ambient air pollution and risk of incident dementia in older men living in a region with relatively low concentrations of pollutants: The Health in Men Study." Environmental Research, vol. 215.

 QH employees select link in title to access full text via CKN
- 242. Triplett, J. D., J. Qiu, B. O'Brien, S. Gopinath, B. Trewin, P. J. Spring, M. Shaffi, J. Ip, F. Chan, L. Chen, I. Wilson, C. Muller, H. N. Beadnall, M. Boggild, A. Van der Walt, R. Roxburgh, N. Seery, T. Kalincik, M. H. Barnett, J. D. E. Parratt, S. Reddel, B. Tsang and T. A. Hardy (2022). "<u>Diagnosis, differential diagnosis and misdiagnosis of Susac syndrome</u>." European Journal of Neurology, vol. 29, no. 6, pp: 1771-1781.
 Select link in title to access full text via OPEN ACCESS
- 243. Tuckett, J., G. I. Brierly, J. Tong, K. McGowan, L. Ramalingam and M. D. Batstone (2022). "<u>Do post-injury prophylactic antibiotics reduce infection for isolated midface fractures: A cohort study</u>." *Journal of Oral and Maxillofacial Surgery*, vol. 80, no. 11, pp: 1769-1776.
 QH employees select link in title to access full text via CKN
- 244. Van der Walt, M., L. Marsh, J. Baines, S. Gibson, A. Shoobridge and G. de Vine (2022). "Performance evaluation of an LED flatbed scanner for triple channel film dosimetry with EBT3 and EBT-XD film." Physical and Engineering Sciences in Medicine, vol, 45, no. 3, pp: 901-914.
 QH employees select link in title to access full text via CKN
- 245. Vangaveti, V. N., S. Jhamb, O. Hayes, J. Goodall, J. Bulbrook, K. Robertson, E. Biros, K. S. Sangla and U. H. Malabu (2022). "Effects of vildagliptin on wound healing and markers of inflammation in patients with type 2 diabetic foot ulcer: a prospective, randomized, double-blind, placebo-controlled, single-center study." Diabetology and Metabolic Syndrome, vol. 14, no. 1.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 246. Venkatesh, B., L. Schlapbach, D. Mason, K. Wilks, R. Seaton, P. Lister, A. Irwin, P. Lane, L. Redpath, K. Gibbons, E. Ergetu and M. Rice (2022). "Impact of 1-hour and 3-hour sepsis time bundles on patient outcomes and antimicrobial use: A before and after cohort study." The Lancet Regional Health Western Pacific, vol. 18.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 247. Viering, D., K. P. Schlingmann, M. Hureaux, T. Nijenhuis, A. Mallett, M. M. Y. Chan, A. van Beek, A. M. van Eerde, J. M. Coulibaly, M. Vallet, S. Decramer, S. Pelletier, G. Klaus, M. Komhoff, R. Beetz, C. Patel, M. Shenoy, E. J. Steenbergen, G. Anderson, E. M. H. F. Bongers, C. Bergmann, D. Panneman, R. J. Rodenburg, R. Kleta, P. Houillier, M. Konrad, R. Vargas-Poussou, N. V. A. M. Knoers, D. Bockenhauer, J. H. F. de Baaij and C. the Genomics England Research (2022). "Gitelman-Like syndrome caused by pathogenic variants in mtDNA." Journal of the American Society of Nephrology, vol. 33, no. 2, pp: 305-325.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 248. Vile, A., S. Kang, P. Whibley and S. Prabhaharn (2022). "Recurrent group B streptococcus septicemia secondary to portal hypertensive colopathy: A case report and literature review." Infectious Diseases in Clinical Practice, vol. 30, no. 2. Link to abstract only. Contact Library Services for full text
- 249. Vile, A. R., K. Jang, D. Gourlay and L. A. G. Marshman (2022). "Posttraumatic amnesia: A systematic review and metaanalysis. proposal for a new severity classification." World Neurosurgery, vol. 162, pp: e369-e393. QH employees select link in title to access full text via CKN
- 250. Waheed, F. N. M., V. N. Vangaveti and U. H. Malabu (2022). "Ischemic heart disease and its risk factors in patients with diabetic foot ulcers: A systematic review and meta-analysis." Diabetes and Metabolic Syndrome: Clinical Research and Reviews, vol. 16, no. 2.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN

- 251. Wang, Y., Y. Fang, D. J. Magliano, F. J. Charchar, C. G. Sobey, G. R. Drummond and J. Golledge (2022). "Fasting triglycerides are positively associated with cardiovascular mortality risk in people with diabetes," Cardiovascular research, viewed 24 March 2022.
 - Select link in title to access full text via OPEN ACCESS. QH employees select link in title to access full text via CKN
- 252. Wang, Y., Y. Shao, T. Qian, H. Sun, Q. Xu, X. Hou, W. Hu, G. Zhang, D. Song, Y. Fang, D. J. Magliano, P. K. Witting, J. Golledge and G. Yang (2022). "<u>Hypouricemia is a risk factor for diabetes in Chinese adults</u>." *Obesity Medicine*, vol. 31. QH employees select link in title to access full text via CKN
- 253. Ward, K., A. Krishnan, K. R Iyengar, T. Robertson, R. White and R. Urkude (2022). "Haycocknema perplexum myositis: The first description of subclinical disease and a proposed distinctive triad to evoke clinical suspicion." BMJ Neurology Open, vol. 4, no. 1.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 254. Watkins, V., C. Nagle, B. Kent, M. Street and A. M. Hutchinson (2022). "<u>Labouring together: Women's experiences of "Getting the care that I want and need" in maternity care.</u>" *Midwifery,* vol. 113.

 Select link in title to access full text via OPEN ACCESS. <u>QH employees can access full text via CKN</u>
- 255. Westaway, J. A. F., R. Huerlimann, Y. Kandasamy, C. M. Miller, R. Norton, K. M. Staunton, D. Watson and D. Rudd (2022). "The bacterial gut microbiome of probiotic-treated very-preterm infants: changes from admission to discharge." Pediatric Research, vol. 92, no. 1, pp: 142-150.

 Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 256. Westaway, J. A. F., R. Huerlimann, Y. Kandasamy, C. M. Miller, R. Norton, D. Watson, S. Infante-Vilamil and D. Rudd (2022). "Exploring the long-term colonisation and persistence of probiotic-prophylaxis species on the gut microbiome of preterm infants: a pilot study." European Journal of Pediatrics, vol. 181, no. 9, pp: 3389-3400. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 257. Westaway, J. A. F., R. Huerlimann, Y. Kandasamy, C. M. Miller, R. Norton, D. Watson, S. Infante-Vilamil and D. Rudd (2022). "To probiotic or not to probiotic: A metagenomic comparison of the discharge gut microbiome of infants supplemented with probiotics in NICU and those who are not." Frontiers in Pediatrics, vol. 10.

 Select link in title to access full text via OPEN ACCESS. OH employees can access full text via CKN
- 258. Wetscherek, A., E. van der Bijl, A. L. H. van Lier, J. Chick, S. Jackson, S. Gibson, V. van Pelt, S. W. Hasler and R. H. N. Tijssen (2022). "Longitudinal stability of MRI QA up to two years on eight clinical 1.5 T MR-Linacs." Frontiers in Physics, vol. 10. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 259. Whebell, S. and J. Zhang (2022). "Bringing biological ARDS phenotypes to the bedside with machine-learning-based classifiers." The Lancet Respiratory Medicine, vol. 10, no. 4, pp: 319-320.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 260. Whebell, S., J. Zhang, R. Lewis, M. Berry, S. Ledot, A. Retter and L. Camporota (2022). "The need to define "who" rather than "if" for ECMO in COVID-19." Intensive Care Medicine, vol. 48, no. 7, pp: 979-980.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 261. Whebell, S., J. Zhang, R. Lewis, M. Berry, S. Ledot, A. Retter and L. Camporota (2022). "Correction to: Survival benefit of extracorporeal membrane oxygenation in severe COVID-19: a multi-centre-matched cohort study." Intensive care medicine, vol. 48, no. 6, pp: 794-796.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 262. Whebell, S., J. Zhang, R. Lewis, M. Berry, S. Ledot, A. Retter and L. Camporota (2022). "Survival benefit of extracorporeal
- membrane oxygenation in severe COVID-19: a multi-centre-matched cohort study." Intensive care medicine, vol. 48, no. 4, pp: 467-478.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 263. Whitehouse, D. P., A. R. Vile, K. Adatia, R. Herlekar, A. S. Roy, S. Mondello, E. Czeiter, K. Amrein, A. Büki, A. I. R. Maas, D. K. Menon and V. F. J. Newcombe (2022). "<u>Blood biomarkers and structural imaging correlations post-traumatic brain injury: A systematic review."</u> Neurosurgery, vol. 90, no. 2, pp: 170-179.
 QH employees select link in title to access full text via CKN

- 264. Wight, J., M. Ku, M. Garwood, D. Carradice, M. Lasica, L. Keamy, E. A. Hawkes and A. Grigg (2022). "<u>Toxicity associated with high-dose intravenous methotrexate for hematological malignancies</u>." *Leukemia and Lymphoma*, vol. 63, no. 10, pp: 2375-2382.
 - Link to abstract only. Contact <u>Library Services</u> for full text
- 265. Williamson, N., G. Alcock and Y. Kandasamy (2022). "Being small for gestational age does not change short-term outcomes for extremely low birth weight babies at Townsville University Hospital." Journal of Child Science, vol. 12, no. 1, pp: F200-F206.
 - Select link in title to access full text via OPEN ACCESS
- 266. Win, K. T. H., B. Thomas, T. I. Emeto, L. Fairley, H. Thavarajah, V. N. Vangaveti, N. Danda, H. N. Wai, R. H. New, M. A. Muñoz, S. Basu and R. Yadav (2022). "A comparison of clinical characteristics and outcomes between Indigenous and Non-Indigenous patients presenting to Townsville Hospital emergency department with chest pain." Heart Lung and Circulation, vol. 31, no. 2, pp: 183-193.
 - QH employees select link in title to access full text via CKN
- 267. Yang, G., T. Qian, H. Sun, Q. Xu, X. Hou, W. Hu, G. Zhang, G. R. Drummond, C. G. Sobey, P. K. Witting, K. M. Denton, F. J. Charchar, J. Golledge and Y. Wang (2022). "Adjustment for body mass index changes inverse associations of HDL-cholesterol with blood pressure and hypertension to positive associations." Journal of Human Hypertension, vol. 36, no. 6, pp: 570-579.
 - Link to abstract only. Contact Library Services for full text
- 268. Yastrebov, K., A. McLean, A. Hilton and J. Evans (2022). "Reflections on Australian critical care echocardiography." Critical Care and Resuscitation, vol. 24, no. 3, pp: 212-217.

 QH employees select link in title to access full text via CKN
- 269. Yeh, J., P. Palamuthusingam, D. Cameron and J. Avramovic (2022). "Impact of establishing a specialized hepatobiliary unit on liver resections in a non-specialized tertiary centre in regional Australia." ANZ Journal of Surgery, vol. 92, no. 4, pp: 769-773.
 - Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 270. Yu, J., J. Smith, R. Marwah and O. Edkins (2022). "Return to work in patients with head and neck cancer: Systematic review and meta-analysis." Head and Neck, vol. 44, no. 12, pp: 2904-2924.

 Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 271. Yuan, D., H. Sharma, A. Krishnan, V. N. Vangaveti and U. H. Malabu (2022). "Effect of glucagon-like peptide 1 receptor agonists on albuminuria in adult patients with type 2 diabetes mellitus: A systematic review and meta-analysis." Diabetes, Obesity and Metabolism, vol. 24, no. 9, pp: 1869-1881.

 Select link in title to access full text via OPEN ACCESS
- 272. Zhang, J., S. Whebell, J. Gallifant, S. Budhdeo, H. Mattie, P. Lertvittayakumjorn, M. del Pilar Arias Lopez, B. J. Tiangco, J. W. Gichoya, H. Ashrafian, L. A. Celi and J. T. Teo (2022). "An interactive dashboard to track themes, development maturity, and global equity in clinical artificial intelligence research." The Lancet Digital Health, vol. 4, no. 4, pp: e212-e213. Select link in title to access full text via OPEN ACCESS. QH employees can access full text via CKN
- 273. Zukauskaite, R., C. N. Rumley, C. R. Hansen, M. G. Jameson, Y. Trada, J. Johansen, N. Gyldenkerne, J. G. Eriksen, F. Aly, R. L. Christensen, M. Lee, C. Brink and L. Holloway (2022). "<u>Delineation uncertainties of tumour volumes on MRI of head and neck cancer patients.</u>" Clinical and Translational Radiation Oncology, vol. 36, pp: 121-126.

 Select link in title to access full text via OPEN ACCESS. <u>OH employees can access full text via CKN</u>