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Research

Annual Report 2021

Te Toka Tumai Auckland

Haere Mai Welcome | Manaaki Respect | Tūhono Together | Angamua Aim High

Te Whatu Ora
Health New Zealand

He kano mātauranga whakatō,
he hua mātauranga puta mai.

If the seed of knowledge is planted,
the fruits of knowledge will emerge.

HIGHLIGHTS FOR 2021

- **Targeted Interventions Improve Bronchiolitis Management in Infants.**

  Our own Libby Haskell (Children's Emergency Department) took the award for TOP PUBLICATION BY A DOCTORAL Student at the University of Auckland's School of Medicine 2021 Doctoral Research Showcase. Libby's paper "Effectiveness of targeted interventions on treatment of infants with bronchiolitis" is published in JAMA Paediatrics, 178 (8) pp. 797- 806.

- **DIY artificial pancreas increases time in range vs. pump therapy in type 1 diabetes**

- **PADDI Anaesthesia trial – results are out!**

- **Our research whānau**

  Dr Sarah Hunter of Children's Blood and Cancer Research Unit and Dr Lynn Sadler of National Women's Health talk about research on the coalface .

- **Vascular Interventional Research Unit scales new heights.**

- **Gene editing can work in humans, but for how long**

  Durability data now out on Intellia Therapeutics landmark trial of CRISPR gene editing for transthyretic amyloidosis. Nature Medicine have named this study one of 11 clinical trials that will shape medicine in 2022.

- **Auckland Hospitals Research and Endowment Fund – grants impact report**

  We report on the outputs of our internal research grants programme and what an investment in research can achieve.

- **Funding for research**

  Highlights of the funding successes for 2021, including Alzheimer's Foundation Fellowship for Dr Gary Cheung, Health Research Council activation grant for Dr Ali Leversha and NEWSFLASH - World first: researchers identify potential cause and treatment for obesity and insulin resistance.

- **Publication**

  A total of 740 original research papers published, including 23 in the most prestigious (Top 30) health journals in the world. HOT paper on rheumatic heart disease from Starship's Dr Nigel Wilson

Targeted Interventions Improve Bronchiolitis Management in Infants

Bronchiolitis is one of the most common reasons for hospitalization among infants in developed countries. While international bronchiolitis guidelines recommend supportive care, significant variation in practice continues to exist. In this new study by Libby Haskell of the Children's Emergency Department in Starship, and her colleagues from New Zealand and Australia, the objective was to assess the effectiveness of targeted interventions compared with passive dissemination in infants with bronchiolitis.

The international, multicenter cluster randomized clinical trial (RCT), published in JAMA Pediatrics, is the first RCT to report whether targeted interventions are effective at improving bronchiolitis management. It is also one of the first to outline the effects of deimplementation of unnecessary care in acute care settings. The Australasian Bronchiolitis Guideline recommended **against** the use of common therapies and management processes that have been determined to be ineffective and potentially harmful when used in patients with bronchiolitis, including chest radiographies, albuterol, glucocorticoids, antibiotics, and epinephrine.

Medications and management processes **known to be ineffective or harmful** in infants with bronchiolitis were tossed in favour of targeted interventions in hospitals, resulting in improvements in bronchiolitis care.

The trial observed a total of 8,003 infants for the three bronchiolitis seasons before the implementation period and 3,727 infants for the implementation period. The interventions included site-based clinical leads, targeted educational delivery, stakeholder meetings, and a train-the-trainer workshop. The primary endpoint of the study was compliance with the Guideline during the first 24 hours of care.

The findings suggested that the baseline data collected before the implementation period was similar to that collected during the implementation period. Compliance with recommendations was 85.1% in the intervention hospitals compared to 73.0% in control hospitals. The analysis was by the intention to treat, and the data were collected from 26 hospitals.

The research concluded that target interventions resulted in an improvement in treatment among infants with bronchiolitis. The findings of this study can have crucial implications for the management and intervention of the disease in infants.

> **"Minimizing harm caused by unnecessary interventions in the management of infants with bronchiolitis is an important patient- and whānau-centered outcome, and it is key to health care systems delivering evidence-based, cost-effective clinical management,"**
> wrote the investigators.

Targeted interventions were developed based on behaviour change theories aimed at factors that influence bronchiolitis management. Examples of targeted interventions include site-based clinical leads, stakeholder meetings, training workshops, targeted educational delivery, other educational materials, and audit and feedback.

Infants from indigenous and impoverished communities are considered the most at risk for bronchiolitis, which is the leading cause of hospital admissions among infants. The increased risk stems from structural policies rooted in racism that resulted in indigenous people having a higher likelihood of residing in poverty and having less access to health care services.

DIY artificial pancreas increases time in range vs. pump therapy in type 1 diabetes

Burnside MJ, et al. 286-OR. Presented at: American Diabetes Association Scientific Sessions; June 3-7, 2022; New Orleans (hybrid meeting).

Managing type 1 diabetes can be challenging, especially in young children owing to the levels of insulin required and unpredictability around how much patients eat and exercise. Children are particularly at risk of dangerously low blood sugar levels (hypoglycaemia) and high ones (hyperglycaemia), which can damage the body and even lead to death.

In a new study carried out at Starship Child Health and other New Zealand sites, adults and children with type 1 diabetes who used an open-source automated insulin delivery system significantly increased time in target glucose range compared with baseline and with sensor-augmented pump therapy.

While open-source automated insulin delivery is not yet approved by regulatory bodies such as the FDA, people worldwide are using it to manage their diabetes. The findings have demonstrated that this is a safe and effective technology and adds to the body of evidence supporting use of open-source automated insulin delivery for improving glycemic outcomes.

Dr Libby Haskell

Starship's Dr Craig Jefferies and his colleagues randomly assigned 48 children aged 7 to 15 years and 49 adults aged 16 to 70 years with type 1 diabetes to an automated insulin delivery system (21 children, 23 adults) or sensor-augmented insulin pump as a control group (27 children, 26 adults). Participants had type 1 diabetes for at least 1 year and were using an insulin pump and had HbA1c below 10.5% for the 6 months before the study. The automated system consisted of a Dexcom G6 continuous glucose monitor paired with a DANA-i insulin pump and the OpenAPS algorithm from a version of AndroidAPS used on a smartphone.

The study included a 4-week run-in period followed by the 24-week randomized clinical trial. The researchers assessed percent of time in target glucose range of 70 mg/dL to 180 mg/dL during the 24-week trial for the two insulin delivery groups.

The automated group, participants used automated insulin delivery 94% of the time for the study duration. Time in range increased immediately and was sustained throughout the trial for participants in the automated group. During the last 2 weeks of the trial, the automated group spent 14% more time in range than the pump group.

Study lead investigator Dr Martin De Bock presented the study at the American Diabetes Association scientific sessions in New Orleans and explained that

> **"For adults, particularly at night, you can see over 30% improvement in time in range on automated insulin delivery [compared with pump therapy alone], so it was very effective overnight,"**

For the automated group, mean time in range was significantly greater during the final 2 weeks compared with the run-period for both adults — a 9.6% increase for final mean time in range of 74.5% — and children — a 9.9% increase for a final mean time in range of 67.5%.

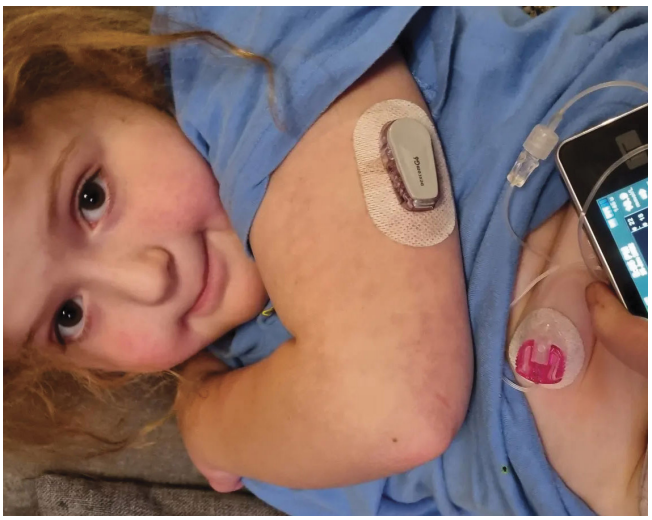
Time in range did not change significantly for the pump group. International guidelines call for targeting a time in range of more than 70%. This goal was met by 60% of participants in the automated group and 15% of the pump group.

No participants experienced severe hypoglycemia or diabetic ketoacidosis during the trial. Two participants in the automated group withdrew due to hardware issues.

An interesting takeaway from the study was that people who proclaimed to be technophobic could use the open-source automated system very effectively and had no problems. Only had two people drop out despite the relatively diverse group who enrolled in the study. The authors concluded that with good support and education, automation should be offered to everyone with type 1 diabetes.

Why is time in range important? Optimal glycemic control remains challenging and elusive for many people with diabetes. The Time in Range is the percentage of time a person with diabetes spends with their blood sugar levels in a particular target range. Increasing the time in range reduces the risk of diabetes-related complications. Its not only permanently elevated blood glucose that risk long term complications, but also fluctuating glucose levels. The more fluctuations over time the more risk towards complications such as diabetic retinopathy and diabetic kidney disease.

Continuous glucose monitoring systems determine a glucose value around the clock giving patients a consistent stream of measured values on average every five minutes. This information is vital in making those small, and sometimes constant, changes needed to live well with diabetes.



Context. Of those patients in New Zealand who are suffering from end-stage renal disease, approximately 50 per cent face their condition because of diabetes. Chronic kidney disease is a major healthcare burden on New Zealand, accounting for approximately one third of New Zealand health costs.

PADDI Anaesthesia trial – results are out!

A drug commonly used during anaesthesia before surgery at Auckland City Hospital to prevent nausea and vomiting does not increase the risk of a surgical wound infection as once feared. The results of the PADDI trial have now been published in the New England Journal of Medicine and are likely to influence anaesthetic practice around the world.

Dexamethasone is often given by anaesthetists during surgery. However, because of its effects on the immune system there has been growing concern that it may increase the risk of wound infections, particularly in vulnerable populations such as patients with diabetes. As a result, there has been a reluctance by anaesthetists to use it, even though more than half of patients are at risk of experiencing unpleasant nausea and vomiting after surgery. The same drug has recently been shown to decrease the risk of death from COVID-19 in severely ill patients.

Now, the **PADDI trial of Perioperative Administration of Dexamethasone and Infection** has found that administering a low-dose of dexamethasone during anaesthesia for surgical operations does not increase the risk of surgical wound infections. The findings showed that 8.1 per cent of patients who received dexamethasone experienced a wound infection at 30 days after surgery, compared to 9.1 per cent in the placebo group, indicating no evidence of any major differences between the groups. Dexamethasone can therefore be given safely to patients. Good management of post-operative nausea and vomiting is highly associated with patient satisfaction.

A panel of senior statisticians described the PADDI trial as having demonstrated **"exemplary statistical aspects"** from trial design and planning, through to analysis, reporting and interpretation.

PADDI is the brainchild of the Australian and New Zealand College of Anaesthetists Clinical Trial Network. One of its strengths is its large scale – 8735 patients were recruited from 55 hospitals in New Zealand, Australia, Hong Kong and South Africa. The trial recruited ## patients from Te Toka Tumai Auckland, where it was led by Associate Professor Dr Tim Short.

READ THE ARTICLE:

New England Journal of Medicine titled: Dexamethasone and surgical site infection. N Engl J Med 2021;384:1731-41. DOI: 10.1056/NEJMoa2028982

Why is this finding about post-surgical infections important? It's because these infections are common and a cause of significant mortality and morbidity. They are also incredibly expensive for the health system. The additional cost of treating a surgical site infection has been estimated as between $40,000 and $112,000 per patient.

In terms of value for patients, researchers from Te Toka Tumai Auckland applied this calculation in a 2018 paper published in the New Zealand Medical Journal.

"Post-surgical site infections have been estimated to cost the patient 0.5 disability-adjusted life years (DALYs). The DALY combines the likely shortening of life (years of life lost) with the loss of quality of life (years of life disabled) to measure the effect on individuals and populations of specific illnesses and harms. The current New Zealand estimate of the Value of a Statistical Life (VoSL) is $4 million, based on what New Zealanders state they are willing to pay in improving roads to save a life. Using methodology from the Accident Compensation Corporation to calculate the value of a year of healthy life (or avoided DALY) from this figure, each avoided DALY provides NZD$181,000 worth of value. Hence each avoided surgical site infection provides approximately NZD$90,000 of value for each patient."

Source: Arthur J Morris, Sally A Roberts, Nikki Grae, Richard Hamblin, Carl Shuker, Alan F Merry (2018) The New Zealand Surgical Site Infection Improvement (SSII) Programme: a national quality improvement programme reducing orthopaedic surgical site infections. New Zealand Medical Journal, Vol 131 No 1479.

Our Research Whānau

In this issue we meet two of our best people who are bringing science to work with them everyday.

Dr Sarah Hunter is Research Manager for Starship Blood and Cancer Centre. Sarah oversees the paediatric and adolescent and young adult oncology/haematology research programme at Starship and Auckland City Hospitals. She is a board member of ANZCHOG, the Australian and New Zealand Children's Oncology Group.

I'm a nurse by background. I first worked in Auckland City Hospital when it was still the old building in the early 90s after I graduated, but then moved out to the community organisations, hospices, cancer society, where I've mainly worked with cancer and palliative care patients. I did some post graduate papers at University which then segued into a Masters degree. At the end of that I was encouraged to go on to do a PhD. My PhD question was cancer-focused. Because I had been working with the Cancer Society as a community nurse I had quite a lot to do with young people who had been diagnosed with cancer and were having their cancer therapy, and issues related to their fertility was something that came up for them. So my research was about damage to fertility and women going into early menopause because of their cancer treatment. To do that I moved around New Zealand interviewing women and talked to them about how their cancer treatments had impacted their lives, their feelings about themselves, about the future and how they saw themselves recovering from their treatments. At the end of that I'd been out of clinical nursing for quite a while and was looking to work in research. The role in Starship came up at the time. I wasn't particularly interested in it as a management position – I was just interested because it was cancer and it was research. Anyway, I was successful at getting the job.

I started on January the 7th 2011. Starship Blood and Cancer had been doing research formally for about 10 years by then, and longer in a less formal fasion. It was fairly ad hoc in the early days, but since then research has hyped up, ethical requirements have hyped up and data management has hyped up so the team gradually increased in size. **We were about 3.7 FTE in total back then, now we have 5.1. – and that's still not enough!**

> "The freezing and storage of testicular tissue for that child's own use in adulthood is a process that offers the chance of fertility later in life."
>
> "This is very early technology around the world and while testicular tissue has now been stored for about 1000 pre-pubertal males internationally, there have been no reports of human pregnancies or babies that have resulted from the use of banked tissue."
>
> **Dr Sarah Hunter**

Starship Blood and Cancer Centre is one of only two children's cancer centres in the country. The other one is in Christchurch Hospital. Starship takes about two thirds of children and adolescents with cancer and non-malignant haematological conditions. We cover all of the North Island other than Wellington, and Christchurch covers Wellington and the rest of the South Island. Starship also houses the national bone marrow transplant unit. Although the official cut off for paediatrics is a person's fifteenth birthday and after that they go to adult services, in practice we actually cover up until when a young person leaves school. The other reason why patients sometimes stay with our service is when they have a paediatric-style cancer and we are used to treating those cancers and giving those chemotherapy agents. Whereas if they have an adult-style cancer and they are 16 they may be better treated in adult services where those doctors have the expertise.

In paediatric oncology internationally for a service to be able to say it's giving first world-level care we need to be offering clinical trials to as many patients as we can. The reason is that improvement in outcomes for children's cancer is largely attributable to collaborative groups getting together and doing studies from the 1970s onwards, and readily sharing the results of their research. For instance B-cell lymphoblastic leukaemia is the most common cancer diagnosis in children. A child diagnosed with B lymphoblastic leukaemia in the 60s or 70s had a 10 to 20% chance of surviving, now overall it's around 90%. An important finding over that time was that you have to keep giving intrathecal therapy after a patient goes into remission. That kind of stuff has really established the role of clinical trials in children's cancer. In New Zealand only about 150 children each year are diagnosed with cancer. That's a tiny number compared to adults diagnosed annually and for each sub-group its even tinier. So to work out the best way to treat children's cancer we need

to do international clinical trials – you can't prove anything in New Zealand on our own with our small numbers. Our participation in trials is deliberately in an international collaborative model rather than a pharmaceutical-sponsored model. We do it with multiple countries with minimal funding. We do try to have as much going on research-wise as we can. This can be therapy trials but also increasingly biology trials because children's cancers are not just adult cancers in small children; the biology is completely different. We need biology studies focused on children's cancers to work out what is happening at the cellular level, what targets do we have, what drugs do we need to be using and developing?

We are a member of the Children's Oncology Group (COG), probably the biggest children's cancer research group in the world. COG is US government funded through the National Institutes of Health and they do pay us a small case reimbursement fee for enrolment in their studies, so essentially much of children's cancer treatment as part of research in New Zealand is funded through COG. COG trials are very well run, safety is well managed, they have very thorough data safety management. They are overseen by meticulous regulators and they will stop their studies if there is any sign of a safety signal and we feel very comfortable doing their trials. We're also involved with the Australian and New Zealand Children's Oncology Group (ANZCHOG), I've been on the board for ten years, and ANZCHOG has now formalized itself into a clinical trials group, bringing many more international collaborative group trials to Australian and NZ sites.

The clinical research associates in my team have roles that include being responsible for ethics and other approvals and maintaining those for the life of the study, all the data management and data submissions. Half of the children on our ward at any given time might be on a trial, plus many of the children coming through our clinics. We have a way of communicating back to the clinical staff so they know whether a patient is on a trial, which trial they're on, what they need to have done today, and what is coming up, such as which scans to order, bloods etcetera. We are also responsible for reporting the work that our bone marrow transplant team does back to the international registries in the USA and Australia. This is a requirement for the international accreditation of the transplant programme, which we get audited on, so we have to do well at it. I can say that for the last three audits we've been commended for the quality and accuracy of our data, which is really good. The other thing the team work on as part of their day to day work is the New Zealand Children's Cancer Registry, which is an opt-out registry. We're responsible for identifying all of the newly diagnosed patients, relapses and deaths. We have to make sure the families or the patients if they are old enough are informed about the registry and they have the opportunity to opt out if they don't want their data or their child's data in there. It's very very rare for anyone to want to opt out. We also do specimen management for personalized medicine, that's molecular or genetic testing, mainly overseas where there might be a particular panel that can provide the test the oncologist wants to know an answer to. For the studies we are involved in we do all of our own specimen management because we don't earn enough money to pay others, e.g. lab technicians to do it for us.

If you talk about doing research on children it can sound like you're experimenting on children and that would be terrible. And when you talk about biology studies with children that can sound like a really bad thing because we are taking their tissue. But when you talk to families, they are often really savvy about research and will often ask for it, and mostly when its offered families will take it up, even when it's clear there's unlikely to be any benefit for their child. Some of our biology studies for instance will feed back an answer that might help a child's risk assignment or final diagnosis but often nothing is going to come back and it's just to help other children in the future. Families really get that and they will frequently say I know this won't help my child but I just want to make it better for someone else's child. So even in their moment of crisis parents are still able to look past their child to what their child's experience might do for someone else.

Early on in my tenure in this role the Ministry of Health asked the national child cancer network to look into a fertility preservation guideline, which New Zealand didn't have. When I heard about that I perked up because my PhD had been about fertility. I spoke to my boss at the time and asked him if I could go on the steering group. My boss at that time was Dr Lochie Teague and he was very good at seeing

peoples' strengths and he generously allowed me to take time to do that. I ended up taking up the Chair of the working group. We wrote the guidelines and as part of that we were very aware that for pre-pubertal children in New Zealand there was no fertility preservation option, which internationally, for girls, is ovarian tissue cryopreservation. Cancer treatment can permanently damage fertility and we wanted young New Zealanders to have the best access to fertility preservation possible. New Zealand had done a few patients privately at the patients' own expense, and it is expensive. There is a surgical procedure, tissue processing and then storage, potentially for up to 20 years or longer if you are taking tissue from a really young girl. This obviously raised questions around equity because only families that could afford the service could have it, so moving on from the guidelines we decided to write a protocol for New Zealand, which I'm principal investigator for. We went to all of the fertility providers to say "this is what we want to do, would you like to work with us?", and everyone agreed it should be Fertility Associates, a fertility provider that covers the whole country. We do the ovarian tissue collection under general anaesthetic at the same time the patient's central line is put in and it's only done for girls who have a significant risk to their fertility and a reasonable chance of surviving their cancer treatment, because obviously it is an invasive procedure. We started this protocol at the end of 2015 and have enrolled 38 girls to date, at Starship. These girls' tissue is now all safely in storage at Fertility Associates for their own use in the future.

The latest thing we are working up at the moment is about pre-pubertal testicular tissue for boys, and boys currently have no option for this in New Zealand. The thing with this tissue is that compared with girls' ovarian tissue it's much more experimental. There have been no human babies created using cryopreserved boys' testicular tissue but the theory is that it will work and so internationally it's recommended that you do these tissue collections within an ethically approved research protocol. We've now gotten permission from the Advisory Committee for Assisted Reproductive Technologies and HDEC to work on this. What we are probably going to do is to amend the ovarian protocol to include the testicular tissue collection. We are intending to approach the Starship Foundation for funding for this, as they funded the girls' tissue. It's exciting to be doing this as at the moment those boys are missing out completely.

Because of New Zealand's national COVID response and the people who have since become household names, more of us than ever are aware of the science of epi-demiology. But are epidemiologists common in our public hospitals? **Dr Lynn Sadler** explains that they are not, but ought to be, and her circuitous route to becoming a perinatal epidemiologist at Te Whatu Ora, Te Toku Tumai.

I trained as an obstetrician but changed course after 1993 when we started our family and carrying on working nights and weekends lost its appeal. Moving out of a direct patient care role was more conducive to family life and during this time I picked up some research work as well as working part time in sexual health.

Later I moved to Yale University where I undertook a Master's degree in Public Health. While on the Master's Program, an American colleague and I conceived a combined research project which was funded by the National Institute of Child Health and Human Development. The NIH funded projects in other countries when it wasn't possible to do them in America. To comply with the recommendations of the Cartwright Inquiry, National Women's Hospital, as it was called then, had developed an excellent colposcopy service database. There was already an Obstetrics database which enabled a link from the colposcopy data for the years 1988 through 1999 with births from 1989 through 2000. We wanted to find out if treatments for cervical dysplasia (a change of cells in the cervix, sometimes the precursor of cervical cancer) increase the risk of having a preterm birth. Because of

the high quality data at National Women's this was easier to research here than in the USA. We found the risk of premature rupture of membranes leading to preterm birth was strongly associated with size of cervical tissue removed from women who were treated. The work was published in the Journal of the American Medical Association and has changed clinical guidelines and practice internationally so now clinicians are much more likely to treat cervical dysplasia conservatively in women of reproductive age.

Returning to Auckland, I've been really fortunate to work for National Women's Health in an exclusively non-patient contact role as an epidemiologist for 20 years. This is a unique situation in a public hospital. During these years I have also worked for the Ministry of Health, the Health Quality and Safety Commission, and the University of Auckland. In my role as a clinical epidemiologist at the hospital, I bring my medical and obstetric training to work behind the scenes (rather than alongside patients) to improve clinical practice in a variety of ways. I spend a lot of time working with clinical data, and often am consulting with my clinical and academic colleagues. This work is important for hospitals because it means we are thinking critically about the work we do and the outcomes we achieve. The skill I bring from my epidemiology training, along with my clinical experience and training, enables an understanding of clinical data, which is especially useful given the comprehensive datasets we have available at National Women's. In addition to clinical governance, audit and quality improvement, our team in NWH produce a comprehensive annual clinical report which is used extensively by our services.

Part of my role is to help supervise other researchers in the department and I try to fit my own research around these duties. Recently I began to really think about what I'd like to achieve in research. Other colleagues had applied for Health Research Council Clinical Practitioner Research Fellowships and had been successful. To get prepared I talked to a lot of researchers I respect to get an idea of the best strategy in terms of the research I was going to pitch. The advice I received was to propose a core body of work, or direction, and add projects as they become relevant over time. The award is for five years.

My proposal has two main directions; the first is to essentially future-proof National Women's clinical databases to create a research-ready resource of maternal and neonatal data with metadata and appropriate governance. The database will be compiled from, ultimately, three maternity datasets, neonatal data, perinatal mortality data and demographic data from the hospital clinical management system. Some of the data are not currently available for use. Other collections such as pharmacy, pathology and hospital discharge data can be added over time. I'm lucky because I have worked with these data for 20 years and so have considerable institutional knowledge. Te Toka Tumai Auckland has agreed to host the data and has commenced infrastructure development so the data are safe. It will be very satisfying to develop a data resource that will be of great value to the next generation of researchers.

Dr Lynn Sadler was awarded the New Zealand Order of Merit in 2019 for services to maternal and perinatal health

In addition to the data project, my research plan includes two observational studies and a clinical trial. All of these studies relate to birth at full dilation of the cervix. Caesarean section at full dilation is technically difficult and associated with increased risk for mother and baby, and there is also increased risk of pre-term birth in subsequent pregnancies. I'll use retrospective data initially to identify the outcomes for women and babies from this procedure, and I'll also investigate the use of a medical device to elevate the baby's head; essentially a balloon which is designed to lift the babies' head out of the pelvis during delivery. The goal of this trial is to determine if the device reduces maternal morbidity and whether it is cost effective, and to ensure that the findings of the studies are translated to practice. We'll be disseminating the results within our clinical networks and to other key stakeholders.

My HRC fellowship allows me to block off half of the week to research as it covers costs for some of my regular work to be reassigned to other staff. It has enhanced my capacity to support juniors to gain research skills and I hope to support a PhD project as part of the work program.

Vascular Interventional Research Unit scales new heights.

Over a decade ago, vascular surgical Andrew Hill and interventional radiologist Andrew Holden formed the Vascular Intervention Research Unit at Auckland City Hospital. They have now participated in well over 100 first- and early human trials with vascular and renal dialysis patients. The unit is one of the top two sites in the world as a research centre for excellence in Endoluminal Endovascular Repair.

Dr Andrew Holden

Dr Holden on the unit, the pandemic and the results of the IN.PACT AV access study.

"We are fortunate to be approached by a number of companies and investigators looking to include our unit in early human trials and postmarket registries. There are a number of important considerations: the originality of the device or procedure, whether it addresses an unmet clinical need, our ability to recruit sufficient patient numbers to the trial, and, most importantly, our capacity to manage the trial to the high level we always strive for. The "sweet spot" for our unit is an innovative and original early human device trial addressing an unmet need for a significant number of our patients. To date, we've been involved in a number of these trials, and the future looks promising!"

"Many of the challenges we have encountered during the pandemic by the Vascular Intervention Research Unit here at Auckland Hospital have been faced elsewhere. Initially, patients scheduled for more elective interventions were deferred, which impacted recruitment to claudication and elective aneurysm repair trials. Clinical trials involving devices for more acute indications such as critical limb ischemia and dialysis access continued, largely undisturbed. Where possible, our research coordinators worked from home, although they were obviously required in the hospital for procedures and clinic visits.

One interesting development, by necessity, has been the evolution of remote support for first- and early human trials. Prior to the pandemic, almost all support was provided in person by company and medical specialists traveling to our institution, which was a challenge given our location here in New Zealand! In association with a local audiovisual company, we have been able to provide high-quality, real-time multicamera and audio support online, such as direct transmission of imaging data without degradation. The result is an experience very similar to having the specialists in the room."

On Paclitaxel-eluting devices.

"We had early access to this technology through our participation in research and could immediately see a paradigm shift from the frequent, severe restenosis we saw with bare nitinol stents in peripheral arteries. Following this, we participated in many early paclitaxel-coated balloon trials that directly compared patency of these devices to plain angioplasty balloons. Not only did these studies confirm paclitaxel drug coated balloons produced significantly less late lumen loss, but also, we saw this with our own eyes! Since then, we have routinely used paclitaxel-coated balloons and stents in almost all of our femoropopliteal arterial interventions, and patients have benefited from improved patency and lower reintervention rates."

IN.PACT AV study (Medtronic Endovascular)

"Endstage renal disease (ESRD) is a form of kidney disease which occurs when both kidneys are impaired or functioning at less than 10 percent of their normal rate. The majority of patients diagnosed with ESRD require haemodialysis 2-3 times per week.

Haemodialysis access must be created through a direct connection of an artery to a vein (arteriovenous fistula or AV fistula). The formation of an AV fistula enables reliable venous access for dialysis to occur at regular intervals, and is most frequently placed in the nondominant forearm arm. However as the vein used in AV fistula formation is not intended for arterial pressures, complications can occur.

The most common complication is stenosis; either within the AV fistula or within the vein anywhere between the AV fistula and right atrium. Dialysis dysfunction due to flow limiting stenotic lesions within the AV fistula is a significant cause of morbidity and mortality amongst patients undergoing haemodialysis.

The study sets out to examine the IN.PACT AV Access Drug Coated Balloon (DCB) for safety and efficacy, when compared to the current standard of care treatment, percutaneous angioplasty. IN.PACT AV Access DCB utilises the dual action of mechanical dilation seen with PTA and also drug delivery of Paclitaxel to the vessel wall. Paclitaxel is extensively used within the coronary & peripheral vasculature with the intent of inhibiting restenosis. Initial clinical data using the IN.PACT AV Access DCB within failing AV Fistula has shown improvements in patency and a reduction in revascularisations.

This was a prospective multicentre multinational randomised controlled trial comparing plain balloon angioplasty with IN.PACT AV access drug-coated balloon angioplasty for the treatment of haemodialysis access circuit stenosis. The trial was performed in New Zealand, the USA and Japan.

330 participants randomised 1 to 1 between the plain balloon and drug-coated balloon arms of the trial. The primary safety endpoint was freedom from serious adverse events at 30 days. The primary efficacy endpoint which was target lesion primary patency which was defined as freed from clinically driven target lesion revascularisation or access circuit thrombosis out to 6 months or 210 days. Initially patients were consented for two-year follow up but subsequently reconsented for five-year follow up.

We presented and published in the New England Journal the primacy patency data which was six-month data. This was the first large, randomised trial of a drug-coated balloon in AV access to well and truly meet its primary efficacy endpoint. The primary patency of the drug-coated balloon arm was 86% which was highly significantly better than the plain balloon arm. We then saw that patency advantage sustained out to 12 months, published in the Journal of Vascular and Interventional Radiology along with an economic analysis which shows the drug-coated balloon is cost effective. Last year at the Charing Cross symposium we presented the 24-month data, again showing a significant patency advantage for the drug coated balloon over the plain balloon. It's really incredibly that we still see this patency advantage for the drug coated balloon after 36 months. The primary patency of the drug-coated balloon was 43% compared to 28.6% for the plain balloon. Just to put that primary patency data into some sort of context, we don't have many studies reporting long-term or 3-year data, but on average primary patency is normally in the order of 20-25%. So to get a primary patency of 43% was really very impressive. One of the things we've also always discussed is the number of reinterventions required to

maintain target lesion patency. And what we've found is that if you look at the cohort of patients randomised to the drug-coated balloon and compare to those randomised to the plain balloon, the drug-coated balloon patients on average experienced a 21% reduction in the number or reinterventions to maintain patency. And for patients who already go through a lot in haemodialysis I think this is a very significant finding. For my patients, these durable results translate into fewer reinterventions and a better quality of life."

"In the past there's been some concerns about Paclitaxel and all-cause mortality. I think that's largely been resolved but I'm happy to say at three years there was absolutely no difference in all-cause mortality between the two treatment arms. So there's no safety concern with Paclitaxel. I think we now have data to say that there is a sustained patency benefit for using the IN.PACT AV drug-coated balloon and AV access intervention compared to the standard treatment of plain balloon angioplasty. And we've seen that in all locations in the AV access circuit, we've seen no safety concerns and we've now got some data saying that it's a highly cost-effective procedure. I believe we are now at the point where we really should be considering this as standard of care, really for all AC access stenosis."

"But we still have some questions. For example we know 30-40% of all the fistulas that are created for dialysis failed to mature and there is some evidence to suggest that drug-coated balloon angioplasty can be very effective in actually promoting fistula maturation. That's a study we still need to have done."

In 2018, Drs Hill and Holden were recognized for their contribution to vascular and endovascular intervention by being awarded Officer of the New Zealand Order of Merit (ONZM) medals.

Gene editing can work in humans, but for how long

Last year we reported the first clinical evidence that CRISPR gene editing inside the body can be safe and effective. Intellia Therapeutics now has the data for the No. 1 unanswered gene editing question:

Does it last?

In a landmark study published in the New England Journal of Medicine it was reported how a novel gene-editing technology (NTLA-2001) was used to treat people with ATTR amyloidosis. This is a rare and fatal disease that occurs in people born with TTR gene mutations, which cause the liver to produce abnormal, often misfolded TTR proteins.

It seems to have worked as planned. The one-time treatment appears to have turned off the TTR gene. Participants who got a low dose of NTLA-2001 saw more than a 50% decline in their blood levels of the protein. Those that received a higher dose saw 87% and higher reductions.

In a hotly anticipated readout, Intellia has now presented additional data from the phase 1 trial that recruited patients of Auckland City Hospital, one of only two recruiting sites in the world. Intellia has confirmed in interim data that the reduction in serum levels of transthyretin, or TTR, a known biomarker of disease severity, was maintained in patients after follow-up that ranged from two months to 12 months post-treatment. All this was achieved without any new concerning safety signals.

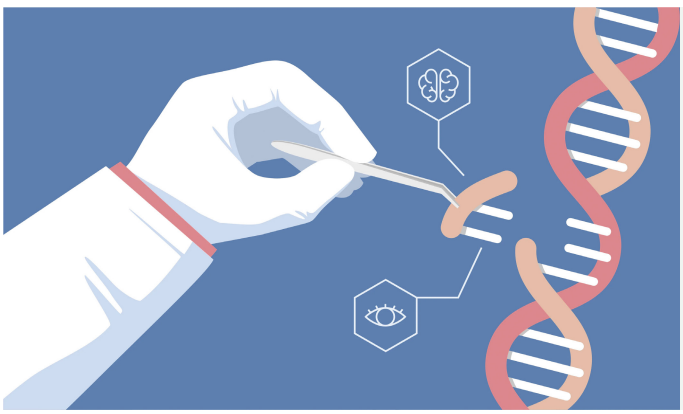
NTLA-2001 works by deploying lipid nanoparticles to the liver to drop off a two-part genome editing system. The first part is a guide RNA specific to the disease-causing gene, and the second part is a messenger RNA—the tech made famous by COVID-19 vaccines—to encode the Cas9 protein and carry out precision editing.

The latest data show that the serum reduction seen at the initial Day 28 observation was sustained through the last check-in with each of the six patients who received a dose of 1.0 mg/kg. These patients experienced reductions higher than 80% and 90%, Intellia said. The initial data release last year showed a reduction of 87%.

With some data now added to the durability question, Intellia could have itself a one-time treatment option for patients.

> **"In this Phase 1 study, NTLA-2001 was generally well tolerated as a single-dose treatment for ATTR amyloidosis patients with polyneuropathy, resulting in deep and durable reductions of serum TTR. These observations are consistent with animal data indicating potential life-long serum TTR suppression," said Professor Ed Gane, Chief Hepatologist, Transplant Physician and Deputy Director of the New Zealand Liver Transplant Unit at Auckland City Hospital, and study investigator. "Importantly, these early results suggest NTLA-2001 has the potential to deliver profound benefits for patients around the world."**

Intellia plans to continue tracking the patients for the rest of their lives to record the durability data, so someday, we may have a more concrete understanding of the science behind ATTR amyloidosis.



Auckland Hospitals Research and Endowment Fund – grants impact report

Auckland Hospitals Research and Endowment Fund (AHREF, formerly A+ Trust) has invested over $4M into investigator-led research grants since 2010 – a mix of summer studentships (value<$6,500), small project grants (value<$15,000) and full project grants ($15,000 - $50,000).

The 197 grants awarded up to 2018[1] have produced 206 high level outputs;

- **112 original research papers**
- **23 published abstracts**
- **32 conference presentations**
- **19 poster presentations**
- **8 higher degrees**
- **11 awards**
- **1 national guideline**

[1]High level outputs are a lagging indicator of return on investment. The majority of our counted outputs are released between 2 and 6 years after the award of a grant. Hence this count from 2018 will have captured most but not all of the outputs likely to be generated.

Assessment of impact

A formal bibliometric analysis of our grants report is a work in progress but with the volume of publications now in the public domain alone, it is impossible to resist a somewhat crude scoresheet based on journal impact factor. Journal impact factor (JIF) is commonly used to compare the importance of journals within a field or discipline. It is a deeply imperfect measure, relying on the average number of citations for the articles a journal publishes across the subsequent few years, and is thus biased in favour of journals that publish more reviews, among other things. Nonetheless, while not a hard and fast indicator of scientific merit, JIF is a strong marker of influence on the academic community of interest. Journals with a JIF above 1.0 are considered above average, those above 10 would be top journals in the field.

	Total investment	Cost per publication	JIG average
Summer studentships	$260,500	$18,607	2.18
Small project grants	$286,573	$15,920	4.37
Full project grants	$3,053,844	$40,718	7.91

The first thing that needs to be pointed out about the above metrics is that cost per publication reflects only the costs to the AHREF. Many of the studies our Trust has invested in, especially the ones producing the highest value evidence (the randomised controlled trials), are very resource intensive and require funding from multiple sources. Therefore the cost per publication can best be thought of as the cost of Te Toka Tumai Auckland's participation in research of sufficient quality to produce a publication of importance. The mean JIF of 7.91 for publications from full project grants shows that since 2010 every $40,718 invested has enabled our people to contribute to outputs well above the international average. Small project grants, for investments of only $15,920 on average, also result in impressive publications.

One in every three summer studentships has contributed to scholarship and new knowledge with a good quality published paper.

Publications in journals are far from being the only measures of success that can be tallied up from funding research. Our investigators have communicated their findings and informed their colleagues at numerous oral and poster sessions at meetings both nationally and around the world. All of this dissemination activity advances the evidence base for clinical practice, the skills of our researchers and our reputation as a research-driven organisation.

Published articles

Alnasrallah, B., Goh, T.L., Chan, L.W., Manley, P., Pilmore, H. (2019) Transplantation and diabetes (Transdiab): a pilot randomised controlled trial of metformin in impaired glucose tolerance after kidney transplantation. BMC Nephrology, https://doi.org/10.1186/s12882-019-1321-2

Alnasrallah, B., Pilmore, H., Manley, P. (2017) Protocol for a pilot randomised controlled trial of metformin in pre-diabetes after kidney transplantation: the Transplantation and Diabetes (Transdiab) study. BMJ Open, 7 (8) e016813. doi: 10.1136/bmjopen-2017-016813

Ameratunga, R., Woon, S-T., Gillis, D., Koopmans, W., Steele, R. (2013) New diagnostic criteria for common variable immune deficiency (CVID), which may assist with decisions to treat with intravenous or subcutaneous immunoglobulin. Clinical and Experimental Immunology, 174 (2), 203-211

Anderson, N., Pio, F., Jones, P., Selak, V., Tan, E., Beck, S., Hamiltion, S., Rogan, A., Yates, K., Sagarin, M., McLeay, A., MacLean, A., Fayerberg, E., Hayward, L., Chiang, A., Cadzow, A., Cadzow, N., Moran, S., Nicholls, M. (2021) Facilitators, barriers and opportunities in workplace wellbeing: A national survey of emergency department staff. International Emergency Nursing, 57, 101046

Austin, D.M., Sadler, L., McLintock, C., McArthur, C., Masson, V., Farquhar, C., Rhodes, S. (2013) Early detection of severe maternal morbidity: A retrospective assessment of the role of an Early Warning Score System. Australian and New Zealand Journal of Obstetrics and Gynaecology, DOI: 10.1111/ajo.12160

Beck S, Kinnear FB, Maree Kelly A, Chu KH, Sen Kuan W, Keijzers G, Body R, Karamercan MA, Klim S, Wijeratne T, Kamona S, Graham CA, Roberts T, Horner D, Laribi S; HEAD Study Group. (2021) Clinical presentation and assessment of older patients presenting with headache to emergency departments: A multicentre observational study. Australasian Journal of Ageing, 41 (1), 126-137.

Bellissima, B.L., Garavan, F., Skinner, J.R., Tingle, M.D. (2017) Use of coronial post-mortem tissue for research in New Zealand. Journal of Law and Medicine, 25 (1), 205-209

Benatar, J., McKibben, P., Stewart, R.A.H. (2012) Improving the informed consent process-a booklet on participants' rights in medical research. NZMJ, Vol 125 No 1362; ISSN 1175 8716

Benatar, J., Mortimer, J., Stretton, M., Stewart, R.A.H. (2012) A booklet on participants' rights to improve consent for clinical research - a randomised trial. PLoS ONE 7 (10) e47023

Bergin, P. for the EpiNet study investigators. (2012) An international pilot study of an internet-based platform to facilitate clinical research in epilepsy: The EpiNet project. Epilepsia, 53 (10) 1829–1835

Best, E.J., Walls, T., Souter, M., Neef, M., Anderson, T., Salkeld, L., Ahmad, Z., Mahadevan, M., Walker, C., Murdoch, D., Mills, N. (2016) Pneumococcal vaccine impact on otitis media microbiology: A New Zealand cohort study before and after the introduction of PHiD-CV10 vaccine. Vaccine, 34, 3840-3847

Blincoe, A., Byrnes, C., Sinclair, J., Brothers, S, (2015) Do defects in the innate immune system contribute to non-cystic fibrosis bronchiectasis in Maori and Pacific Island children. Internal Medicine Journal, 45, 21

Bishop, J., Reed, P., Austin, P., Hurst, M., Ameratunga, R., Craigie, A., McFarlane, J., Chin, S.E., Mouat, S.M., Evans, H.M. (2018) Prospective evaluation of the ESPGHAN guidelines for diagnosis of celiac disease in New Zealand children. Journal of pediatric gastroenterology and nutrition, 67(6), 749-754.

Bloch, H.S., Wolley, M., Sidhu, K., Stewart, R., Pilmore, H. (2014) Prognostic value and long-term variation of high sensitivity troponin T in clinically stable haemodialysis patients. NZMJ, 12;127 (1402) 97-109.

Bloomfield, F.H., Crowther, C.A., Harding, J.E., Conlan, C.A., Jiang, Y., Cormack, B.E. (2015) The ProVIDe Study: the impact of protein intravenous nutrition on development in extremely low birthweight babies. BMC Pediatrics 15 (1) 100

Campbell D, Deng C, McBryde F, Billing R, Diprose WK, Short TG, Frampton C, Brew S, Barber PA; MASTERSTROKE Study Group (2022) Protocol for the MAnagement of Systolic blood pressure during Thrombectomy by Endovascular Route for acute ischemic STROKE randomized clinical trial: The MASTERSTROKE trial. International Journal of Stroke, 17 (7), 810-814.

Cao E, Watt MJ, Nowell CJ, Quach T, Simpson JS, De Melo Ferreira V, Agarwal S, Chu H, Srivastava A, Anderson D, Gracia G, Lam A, Segal G, Hong J, Hu L, Phang KL, Escott ABJ, Windsor JA, Phillips ARJ, Creek DJ, Harvey NL, Porter CJH, Trevaskis NL. (2021) Mesenteric lymphatic dysfunction promotes insulin resistance and represents a potential treatment target in obesity. Nature Metabolism, 3 (9), 1175-1188.

Carr, A., Doyle, A.J., Dalbeth, N., Aati, O., McQueen, F.M. (2016) Dual-energy CT of urate deposits in costal cartilage and intervertebral disks of patients with tophaceous gout and age-matched controls. American Journal of Roentgenology, 206, 1-5

Chacko, E., Boyd, S., & Murphy, R. (2018). Metabolic side effects of atypical antipsychotics in older adults. International Psychogeriatrics, 30 (10) 1557-1566.

Chakraborty, M., Hickey, A.J., Petrov, M.S., Macdonald, J.R., Thompson, N., Newby, L., Sim, D., Windsor, J.A., Phillips, A.R. (2016) Mitochondrial dysfunction in peripheral blood mononuclear cells in early experimental and clinical acute pancreatitis. Pancreatology, 16 (5) 739-747

Chan, A.Y.H, Aspden, T., Brackley, K., Ashmore-Price, H., Honey, M. (2020) What information do patients want about their medicines? An exploration of the perspectives of general medicine inpatients. BMC Health Services Research, 20 (1), 1131.

Cheng, H.S., Kerckhoffs, C., Perkins, N., Eva, L. (2020) Demographics of New Zealand women with vulval lichen sclerosus: is specialist care equitable? New Zealand Medical Journal, 133 (1517) 24-31.

Cheng, W-T., Rosario, R., Muthukaruppan, A., Wilson, M.K., Payne, K., Fong, P.C., Shelling, A.N., Blenkiron, C. (2017) MicroRNA profiling of ovarian granulosa cell tumours reveals novel diagnostic and prognostic markers. Clinical Epigenetics, 9 (72) DOI 10.1186/s13148-017-0372-0

Cheung, G., Edwards, S., Sundram, F. (2016) Death wishes among older people assessed for home support and long-term aged residential care. International Journal of Geriatric Psychiatry, doi: 10.1002/gps.4624.

Cheung, W., Myburgh, J., McGuinness, S., Chalmers, D., Parke, R. et al (2017) A cross-sectional survey of Australian and New Zealand public opinion on methods to triage intensive care patients in an influenza pandemic. Critical Care and Resuscitation, 19 (3) 254-265

Chong, C.Y.L., Orr, D., Plank, L.D., Vatanen, T., O'Sullivan, J.O., Murphy, R. (2020) Randomised Double-Blind Placebo-Controlled Trial of Insulin with Metronizadole in Non-Alcoholic Fatty Liver Disease (NAFLD). Nutrients, 12, 937.

Cloete, E., Gentles, T., Alsweiler, J., Dixon, L., Webster, D., Rowe, D., Bloomfield, F. (2017) Should New Zealand introduce nationwide pulse oximetry screening for the detection of critical congenital heart disease in newborn infants? New Zealand Medical Journal, 130 (1448) 64-69

Collins, M. G., Fahim, M. A., Pascoe, E. M., Dansie, K. B., Hawley, C. M., Clayton, P. A., ... & BEST-Fluids Investigators and the Australasian Kidney Trials Network. (2020). Study Protocol for Better Evidence for Selecting Transplant Fluids (BEST-Fluids): a pragmatic, registry-based, multi-center, double-blind, randomized controlled trial evaluating the effect of intravenous fluid therapy with Plasma Lyte 148 versus 0.9% saline on delayed graft function in deceased donor kidney transplantation. Trials, 21, 1-19.

Cormack, B.E., Bloomfield, F.H. (2015) Early nutrition for preterm babies: small changes can make a big difference. Nutrition Today, 50 (5) 230-239

Cormack, B.E., Jiang, Y., Harding, J.E., Crowther, C.A., Bloomfield, F.H. for the ProVIDe study group (2020) Relationships between neonatal nutrition and growth at 36 weeks' corrected age in ELBW babies – second cohort analysis from the Provide trial. Nutrition, 12 (760).

Crooks, C., Ameratunga, R., Brewerton, M., Torok, M., Buetow, S., Brothers, S., Wall, C., Jorgenson, P. (2010) Adverse reactions to food in New Zealand children aged 0–5 years. NZMJ Vol 123 No 1327; ISSN 1175 8716

Crowther, C.A., Ashwood, P., McPhee, A.J., Flenady, V., Tran, T., Dodd, J.M., Robinson, J.S. for the PROGRESS Study Group (including Parry, E.) (2017) Vaginal Progesterone after previous preterm birth for the prevention of neonatal respiratory distress syndrome (the PROGRESS Study): A multicentre, randomised, placebo-controlled trial. PLOS MEDICINe, https://doi.org/10.1371/journal.pmed.1002390

Cutfield, T., Walter, H., Hobbs, M., Chuang, A., Thomas, M.G., Ritchie, S.R. (2019) Association of the Dundee severity classification with mortality, length of stay and readmission in adult inpatients with cellulitis. Journal of Antimicrobial Chemotherapy, 74, 200-206.

Depledge, J., McNair, P., Ellis, R. (2021) Exercises, Tubigrip and taping: can they reduce rectus abdominus diastasis measured three weeks postpartum? Musculoskeletal Science and Practice, 53, 102381.

Dowen, F., Sidhu, K., Broadbent, E., Pilmore, H. (2017). Communicating projected survival with treatments for chronic kidney disease: Patient comprehension and perspectives on visual aids. BMC Medical Informatics and Decision Making, 17(1), art. no. 137.

Dawes, L. K., Subramoney, M., Miller, L. M., & Groom, K. M. (2018). Increasing compliance with a clinical practice guideline for fetal fibronectin testing and the management of threatened preterm labour: A quality improvement project. European Journal of Obstetrics & Gynecology and Reproductive Biology, 221, 89-96

Fanning, N., Galvin, S., Parke, R., Gilroy, J., Bellomo, R., McGuinness, S. (2016) A Prospective Study of the Timing and Accuracy of Neutrophil Gelatinase-Associated Lipocalin Levels in Predicting Acute Kidney Injury in High-Risk Cardiac Surgery Patients. Journal of Cardiothoracic and Vascular Anesthesia, 30 (1) 76-81

Farquhar, C.M., Liu, E., Armstrong, S., Arroll, N., Lensen, S., Brown, J. (2017) Intrauterine insemination with ovarian stimulation versus expectant management for unexplained infertility (TUI): a pragmatic, open-label, randomised, controlled, two-centre trial. The Lancet, http://dx.doi.org/10.1016/S0140-6736(17)32406-6

Franz E Babl, Mark D Lyttle, Silvia Bressan, Meredith Borland, Natalie Phillips, Amit Kochar, Stuart R Dalziel, Sarah Dalton, John A Cheek, Jeremy Furyk, Yuri Gilhotra, Jocelyn Neutze, Brenton Ward, Susan Donath, Kim Jachno, Louise Crowe, Amanda Williams, Ed Oakley, On behalf of the PREDICT research network (2014) A prospective observational study to assess the diagnostic accuracy of clinical decision rules for children presenting to emergency departments after head injuries (protocol): the Australasian Paediatric Head Injury Rules Study (APHIRST). BMC Pediatrics, 14 (148)

Franz E Babl, Meredith L Borland, Natalie Phillips, Amit Kochar, Sarah Dalton, Mary McCaskill, John A Cheek, Yuri Gilhotra, Jeremy Furyk, Jocelyn Neutze, Mark D Lyttle, Silvia Bressan, Susan Donath, Charlotte Molesworth, Kim Jachno, Brenton Ward, Amanda Williams, Amy Baylis, Louise Crowe, Ed Oakley, Stuart R Dalziel, for the Paediatric Research in Emergency Departments International Collaborative (PREDICT) (2017) Accuracy of PECARN, CATCH, and CHALICE head injury decision rules in children: a prospective cohort study. The Lancet, http://dx.doi.org/10.1016/S0140-6736(17)30555-X

Gattas, D.J., Rajbhandari, D., Bradford, C., Buhr, H., Lo, S., Bellomo, R. (2015) A Randomized Controlled Trial of Regional Citrate Versus Regional Heparin Anticoagulation for Continuous Renal Replacement Therapy in Critically Ill Adults. Critical Care Medicine, 43 (8) 1622-1629

Gentles, T., Cloete, E., & Mellander, M. (2018). Comment on Kluckow M. Barriers to the Implementation of Newborn Pulse Oximetry Screening: A Different Perspective. International Journal of Neonatal Screening, 4 (2) 13.

Gilder, E., McGuinness, S.P., Cavadino, A., Jull, A. Parke, R.L. (2020) Avoidance of routine endotracheal suction in subjects ventilated ≤12 hours following elective cardiac surgery. Respiratory Care, 65 (12) 1838-1846

Gilder, E., Parke, R.L., McGuinness, S., Jull A. (2019) Study protocol: a randomised controlled trial assessing the avoidance of endotracheal suction in cardiac surgical patients ventilated for ≤ 12 hr. Journal of Advanced Nursing, DOI 10.1111/jan.13994

Glanville, E.J., Wilkinson, J., Sadler, L., Wong, T.Y., Acharya, S., Aziz, N., Clarke, F., Das, S., Dawson, J., Hammond, B., Jayaprakasan, K., Milner, M., Shankaralingaiah, N., Farquhar, C., Lensen, S. (2022) A randomised trial of endometrial scratching in women with PCOS undergoing ovulation induction cycles. Reproductive Biomedicine Online, 44 (2), 316-323.

Gong, J., Colligan, M., Kirkpatrick, C., Jones, P. (2019) Oral paracetamol versus combination oral analgesics for acute musculoskeletal injuries. Annals of Emergency Medicine, 74 (4) 521-529

Grant, C.C., Crane. J., Mitchell, E.A., Sinclair, J., Stewart, A., Milne, T., Knight, J., Gilchrist, C., Camargo, C.A Jr. (2016) Vitamin D supplementation during pregnancy and infancy reduces aeroallergen sensitization: a randomized controlled trial. Allergy, 71 (9) 1325-1334

Groom, K., McCowan, L.M.E., Mackay, L., Lee, A., Said, J., Kane, S., Walker, S., Van Mens, T., Hannan, N., Tong, S., Chamley, L., Stone, P., McLintock, C. (2017) The EPPI Trial - Enoxaparin for the prevention of preeclampsia and intrauterine growth restriction in women with a history: a randomised trial. American Journal of Obstetrics and Gynecology, 216, 296.e1-14

Gudex, T., White, J., Madenholt-Titley, S., McAleer, M., Savage, S., Ruygrok, P. (2015) Total ambulatory management of patients undergoing coronary angiography and intervention: a pilot study. New Zealand Medical Journal, 128 (1409) pp. 78-81

Hamill, J.K., Liley, A., Hill, A.G. (2017) Intraperitoneal Local Anesthetic for Laparoscopic Appendectomy in Children, Annals of Surgery, 266 (1) 189-194

Harding, J. E., Cormack, B. E., Alexander, T., Alsweiler, J. M., & Bloomfield, F. H. (2017). Advances in nutrition of the newborn infant. The Lancet, 389(10079), 1660-1668.

Hegarty, J.E., Harding, J.E., Gamble, G.D., Crowther, C.A., Edlin, R., Alsweiler, J.M. (2016) Prophylactic Oral Dextrose Gel for Newborn Babies at Risk of Neonatal Hypoglycaemia: A Randomised Controlled Dose-Finding Trial (the Pre-hPOD Study). PLOS Medicine | DOI:10.1371/journal.pmed.1002155

Henggeler, C.K., Plank, L.D., Ryan, K.J., Gilchrist, E.L., Casas, J.M., Lloyd, L.E., Mash, L.E., McLellan, S.L., Robb, J.M., Collins, M.G. (2018) A randomised, controlled trial of an intensive nutritional intervention versus standard nutrition care to avoid excess weight gain after kidney transplantation: The INTENT Trial. Journal of Renal Nutrition, /doi.org/10.1053/j.jrn.2018.03.001

Hong, J., Gilder, E., Blenkiron, C., Jiang, Y., Evennett, N.J., Petrov, M.S., Phillips, A.R.J., Windsor, J.A., Gillham, M. (2017) Nonocclusive mesenteric infarction after cardiac surgery: potential biomarkers. Journal of Surgical Research, 211, 21-29

Jones, H.F., Mohammad, S.S., Reid, P.W., Dunn, P.P.J., Steele, R.H., Dale, R.C., Sharpe, C. (2017) Anti-N-methyl-D-aspartate receptor encephalitis in Māori and Pacific Island children in New Zealand. Developmental Medicine and Child Neurology, 59, 719-724.

Jones, P.G., Kamona, S., Doran, O., Sawtell, F., Wilsher, M (2016) Randomised controlled trial of humidified high-flow nasal oxygen for acute respiratory distress in the Emergency Department: The HOT-ER Study. Respiratory Care, 61 (3) 291-299

Karunasinghe, N., Ambs, S., Wang, A., Tang, W., Zhu, S., Dorsey, T.H., Goudie, M., Masters, J., Ferguson, L.R. (2018) Influence of lifestyle and genetic variants in the aldo-keto reductase 1C3 rs12529 polymorphism in high-risk prostate cancer detection variability assessed between US and New Zealand cohorts. PLoS ONE, 13 (6), e0199122

Karunasinghe, N., Lange, K., Han, D-Y., Goudie, M., Zhu, S., Wang, A.H., Bishop, K., Ferguson, L.R., Masters, J.G. (2013) Androgen pathway related gene variants and prostate cancer association in Auckland men. Current Pharmacogenomics and Personalised Medicine, 11, 22-30

Kelly AM, Kuan WS, Chu KH, Kinnear FB, Keijzers G, Karamercan MA, Klim S, Wijeratne T, Kamona S, Graham CA, Body R, Roberts T, Horner D, Laribi S; and the HEAD Study Group. (2021) Epidemiology, investigation, management, and outcome of headache in emergency departments (HEAD study)-A multinational observational study. Headache, 61 (10), 1539-1552.

Kelly, P., Hayman, R., Shekerdemian, L.S., Reed, P., Hope, A., Gunn, J., Coleman, L., Beca, J. (2014) Subdural haemorrhage and hypoxia in infants with congential heart disease. Pediatrics, 134 (3) doi:10.1542/peds.2013-3903

Kim, K., Zhu, M., Cavadino, A., Munro, J., Young, S.W. (2019) Failed Debridement and Implant Retention Does Not Compromise the Success of Subsequent Staged Revision in Infected Total Knee Arthroplasty. Journal of Arthroplasty, 34 (6) 1214-1220

Koopmans, W., Woon, S-T., Zeng, I.S.L., Jordan, A., Brothers, S., Browett, P., Ameratunga, A. (2013) Variability of Memory B cell markers in a cohort of Common Variable Immune Deficiency patients over 6 months. Scandanavian Journal of Immunology, 77 (6) 470-475

Kruger, C., Sidebotham, D., Brown, A.J., Singh, H., Merry, A.F. (2012) Timely Bolus Insulin for Glucose Control during Cardiopulmonary Bypass. J Extra Corpor Technolv. 44 (1) 2012 MarPMC4557437

Kumar, R., Pio, F., Brewer, J., Frampton, C., & Nicholls, M. (2019). Workplace wellbeing in an urban emergency department in Aotearoa New Zealand. Emergency medicine Australasia: EMA.

Lee, C., Vather, R., O'Callaghan, A., Robinson, J., McLeod, B., Findlay, M., Bissett, I (2013) Validation of the phase II feasibility study in a palliative care setting: gastrografin in malignant bowel obstruction. American Journal of Hospice and Palliative Care, 30 (8) 752-758

Lensen, S., Martins, W., Nastri, C., Sadler, L., Farquhar, C. (2016) Pipelle for Pregnancy (PIP): study protocols for three randomised controlled trials. Trials, doi: 10.1186/s13063-016-1301-9

Lensen S, Osavlyuk D, Armstrong S, Stadelmann C, Hennes A, Napier E, Wilkinson J, Sadler L, Gupta D, Strandell A, Bergh C. (2019). A Randomized Trial of Endometrial Scratching before In Vitro Fertilization. New England Journal of Medicine, 380(4), 325-334.

Leung, M.P.S., Thompson, T., Black, J., Dai, S., Alsweiler, J.M. (2018) The effects of preterm birth on visual development. Clinical and Experimental Optometry, Doi:10.1111/cxo.12578

Lowe, M., Handy, R., Ingram, J., Nisbet, M., Ritchie, S., Thomas, M., Briggs, S. (2016) Increased uptake of cervical screening by women with HIV infection in Auckland regardless of ethnicity, requirement for an interpreter or level of education. NZMJ, 129 (1438) ISSN 1175-8716

McGuinness, S.P., Parke, R.L., Bellomo, R., Van Haren, F.M.P., Bailey, M. (2013) Sodium Bicarbonate Infusion to Reduce Cardiac Surgery–Associated Acute Kidney Injury: A Phase II Multicenter Double-Blind Randomized Controlled Trial. Critical Care Medicine. 41 (7) 1599-1607

Milne, T., Lui, C., O'Gragy, G., Woodfield, J., Bissett, I. (2022) Effect of prucalopride to improve time to gut function recovery following elective colorectal surgery: randomized clinical trial. British Journal of Surgery, 109, 704-710.

Naea, N., Dobson, A., Leversha., Williams, S., Knott, K., Clayton-Bray, L., Dickinson, A. (2016) Awareness and understanding of rheumatic fever among Pacific people in Auckland Neonatal, Paediatric & Child Health Nursing, 19 (1) 7-12

Neeff, M., Biswas, K., Hoggard, M., Taylor, M.W., Douglas, R (2016) Molecular microbiological profile of chronic suppurative otitis media. Journal of Clinical Microbiology, doi: 10.1128/JCM.01068-16

NeuroVISION Investigators (including Campbell, D.) (2019) Perioperative covert stroke in patients undergoing non-cardiac surgery (NeuroVISION): a prospective cohort study. The Lancet, 394 (10203) 1022-1029

Ou, P., Gear, K., Rahnama, F., Thomas, S., Nagappan, R., Kee, D., Waldvogel-Thurlow, S., Jain, R., McIvor, N., Izzard, M., Douglas, R. (2018) Human papillomavirus and oropharyngeal squamous cell carcinoma: a New Zealand cohort study. ANZ Journal of Surgery, 88, E278-E283.

Parke, R.L., Eastwood, G.M., McGuinness, S.P. on behalf of the George Institute for Global Health and the Australian and New Zealand Intensive Care Society Clinical Trials Group (2013) Oxygen therapy in non-intubated adult intensive care patients: a point prevalence study. Critical Care and Resuscitation, 15 (4) 287-293

Parke, R.L., Gilder, E., Gilham, M.J., Walker, L.J.C., Bailey, M.J., McGuinness, S.P., Fluids After Bypass Study Investigators (2021) A Multicenter, Open-Label, Randomized Controlled Trial of a Conservative Fluid Management Strategy Compared With Usual Care in Participants After Cardiac Surgery: The Fluids After Bypass Study. Critical Care Medicine, 49 (3), 449-461.

Parker, M.M., Nuthall, G. et al for the National Emergency Airway Registry for Children (NEAR4KIDS) Investigators and Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network (2017) Relationship between adverse tracheal intubation associated events and PICU outcomes. Pediatric Critical Care Medicine, 18 (4) 310-318

Pellatt RAF, Kamona S, Chu K, Sweeny A, Kuan WS, Kinnear FB, Karamercan MA, Klim S, Wijeratne T, Graham CA, Body R, Roberts T, Horner D, Laribi S, Keijzers G, Kelly AM. (2021) The Headache in Emergency Departments study: Opioid prescribing in patients presenting with headache. A multicenter, cross-sectional, observational study. Headache, 61 (9), 1387-1402.

Petrie, K.J., Faasse, K., Thomas, M.G. (2016) Public Perceptions and Knowledge of the Ebola Virus, Willingness to Vaccinate, and Likely Behavioral Responses to an Outbreak. Disaster Medicine and Public Health Preparedness, DOI: 10.1017/dmp.2016.67

Pillarisetti, N., Broderick, D., Ainsworth, A., Mulholland, A., Wagner Mackenzie, B., Middleton, D., Byrnes, C.A., Taylor, M.W. (2019) The airway microbiota in children newly diagnosed with bronchiectasis largely retains its diversity. European Respiratory Journal, DOI: 10.1183/13993003.00704-2019

Pilmore, H.L., Xiong, F., Choi, Y., Poppe, K., Lee, M., Legget, M., Kerr, A. (2020) Impact of chronic kidney disease on mortality andcardiovascular outcomes after acute coronary syndrome: A nationwide data linkage study (ANZACS-QI 44). Nephrology, 25, 535-543.

Pittman, F., di Soma, H., Wong, W., Prestidge, C., Reed, P., Gunn, A.J., Jefferies, C. (2022) Determinants of acute kidney injury in children with new onset type 1 diabetes: A cohort study of children aged <15 years: Auckland, New Zealand (2006–2016). Endocrinology, Diabetes and Metabolism, DOI: 10.1002/edm2.362.

Power, L., Gusso, S., Hornung, T.S., Jefferies, C., Derraik, J.G.B., Hofman, P.L., O'Grady, G.L. (2021) Exercise cardiac magnetic resonance imaging in boys with Duchenne Muscular Dystrophy without cardiac disease. Pediatric Neurology, 117, 35-43

Prentice, L., Stewart, A., Mohuiddin, S., Johnson, N.P. (2012) What is endosalpingiosis? Fertility and Sterility, 98 (4) dx.doi.org/10.1016/j.fertnstert.2012.06.039

Primhak, S., Gataua, A., Purvis, D., Thompson, J.M.D., Walker, C., Best, E., Leversha, A. (2022) Treatment of Impetigo with Antiseptics-Replacing Antibiotics (TIARA) trial: a single blind randomised controlled trial in school health clinics within socioeconomically disadvantaged communities in New Zealand. Trials, 23 (1), 108.

Rehder, K.J., Giuliano, J.S. Jr, Napolitano, N., Turner, D.A., Nuthall, G., Nadkarni, V.M., Nishisaki, A; National Emergency Airway Registry for Children and Pediatric Acute Lung Injury and Sepsis Investigators (2015) Increased Occurrence of Tracheal Intubation-Associated Events During Nights and Weekends in the PICU. Critical Care Medicine, 43 (12) 2668-2674

Riley, J., Hunt, A., McDouall, A., Waqanivavalagi, s., Braithwaite, I., Weatherall, M., Stanley, T., Beasley, R., Mitchell, E.A., Dalziel, S.R. (2016) Pilot study of feasibility of a randomised controlled trial of asthma risk with paracetamol versus ibuprofen use in infancy. NZMJ, 129 (1443) 30-42

Roxburgh, R.H., Marquis-Nicholson, R., Hutchinson, D.O., Waddell, L.B., Clarke, N.F., North, K.N., Love, D.R. (2012) G.P.46 Screening for deletion and duplication mutations in genes implicated in LGMD. Neuromuscular Disorders, 22, (9,10) 833

Ryan, K.J., Segedin Casas, J.M., Mash, L.E., McLellan, S.L., Lloyd, L., Stinear, J.W., Plank, L.D., Collins, M.G. (2014) The effect of intensive nutrition interventions on weight gain after kidney transplantation: protocol of a randomised controlled trial. BMC Nephrology, 15 (148) DOI: 10.1186/1471-2369-15-148

Sadler, L.C., Austin, D.M., Masson, V.L., McArthur, C.J., McLintock, C., Rhodes, S.P., Farquhar, C.M. (2013) Review of contributory factors in maternity admissions to intensive care at a New Zealand tertiary hospital. American Journal of Obstetrics and Gynecology, 2013;209:549.e1-7.

Sessler, D.I., Pei, L., 2, Huang, Y., et al- Breast Cancer Recurrence Collaboration (2019) Recurrence of breast cancer after regional or general anaesthesia: a randomised controlled trial. The Lancet, 394 (10211), 1807-1815.

Short, T., Leslie, K., Campbell, D., Chan, M., Corcoran, T., O'Loughlin, E., Frampton, C., Myles, P. (2014) A Pilot Study for a Prospective, Randomized, Double-Blind Trial of the Influence of Anesthetic Depth on Long-Term Outcome. Anesthesia and Analgesia, 118 (5), 981-986

Singh, N., Chambers, J., Hamill, J.K. (2019) Car seat survey at a children's hospital: need a booster? New Zealand Medical Journal, 132 (1500) 59-69

Stanton, J., Thomas, D.R., Jarbin, M., MacKay, P. (2020) Self-determination theory in child and adolescent mental health inpatient care. A qualitative exploratory study. PLoS ONE 15(10) e0239815

Stevenson, A.R., Solomon, M.J., Lumley, J.W., Hewett, P., Clouston, A.D., Gebski, V.J., Davies, L., Wilson, K., Hague, W., Simes, J.; ALaCaRT Investigators (including Hayes, J.) Effect of Laparoscopic-Assisted Resection vs Open Resection on Pathological Outcomes in Rectal Cancer: The ALaCaRT Randomized Clinical Trial. JAMA, 314 (13) 1356-1363

The ARISE Investigators and the ANZICS Clinical Trials Group (2014) Goal-Directed Resuscitation for Patients with Early Septic Shock. New England Journal of Medicine, 371, 1496-1506

Tottman, A.C., Alsweiler, J.M., Bloomfield, F.H., Gamble, G., Jiang, Y., Leung, M., Poppe, T., Thompson, B., Wouldes, T.A. and Harding, J.E. (2018). Long-term outcomes of hyperglycemic preterm infants randomized to tight glycemic control. The Journal of pediatrics, 193, 68-75.

Udy, A.A., Finnis, M., Cohen, J., Delaney, A., ..., Newby, L., ..., van der Poll, A., Young, P., Bellomo, R., Cooper, D.J. (2020) Six-month mortality and functional outcomes in aneurysmal sub-arachnoid haemorrhage patients admitted to intensive care units in Australia and New Zealand: A prospective cohort study. Journal of Clinical Neuroscience, 80, 92-99.

Vesty, A., Biswas, K., Taylor, M.W., Gear, K., Douglas, R.G. (2017) Evaluating the impact of DNA extraction method on the representation of human oral bacterial and fungal communities. PLoS ONE, 12 (1) e0169877. doi:10.137 1/journal. pone.0169877

Wallace, A., Sinclair, O., Shepherd, M., Neutze, J., Trenholme, A., Tan, E., Brabyn, C., Bonisch, M., Johnson, D.W., McNamara, D., Thompson, J.M.D., Asher, I., Dalziel, S.R. (2020) Impact of oral corticosteroids on respiratory outcomes in acute preschool wheeze: a randomised clinical trial. Archives of Disease in Childhood, doi: 10.1136/archdischild-2020-318971.

Wang, A.Y. et al and for the POST-RENAL Study Investigators and the ANZICS Clinical Trials Group (2015) Health-related quality of life in survivors of acute kidney injury: The Prolonged Outcomes Study of the Randomized Evaluation of Normal versus Augmented Level Replacement Therapy study outcomes. Nephrology, 20 (7), 492-498

White, R., Crossman, D.J., Issacson, M., Gibbs, H., Ruygrok, P. (2015) Confocal scanning microscopy in assessment of cardiac allograft rejection – a pilot study. Transplant Proc., 47 (8) 2513-2516

Williams, L.Z.J., McNamara, D., Alsweiler, J.M. (2019) Intermittant hypoxemia in infants born late preterm: a prospective cohort observational study. The Journal of Pediatrics, 204, 89-95.e1. doi: 10.1016/j.jpeds.2018.08.048

Williamson, D.A.,, Ritchie, S.R, Roberts, S.A., Coombs, G.W., Thomas, M.G., Hannaford, O., Baker, M.G., Lennon, D., Fraser, J.D. (2014) Clinical and molecular epidemiology of community-onset invasive Staphylococcus aureus infection in New Zealand children. Epidemiol. Infect. 142, 1713-1721

Winbo, A., Ramanan, S., Eugster, E., Jovinge, S., Skinner, J.R., Montgomery, J.M. (2020) Functional coculture of sympathetic neurons and cardiomyocytes derived from human-induced pluripotent stem cells. American Journal of Physiology; Heart and Circulatory Physiology, 319 (5), H927-H937. doi: 10.1152/ajpheart.00546.2020

Wise, M.R., Marriott, J., Battin, M., Thompson, J.M.D., Stitely, M., Sadler, L. (2020) Outpatient balloon catheter vs inpatient prostaglandin for induction of labour (OBLIGE): a randomised controlled trial. Trials, 21 (190)

Wise, M.R., Sadler, L., Shorten, B., Van der Westhuizen, K., Shorten, A. (2019) Birth choices for women after a "Positive Birth after Caesarean" clinic: Randomised trial of alternative shared decision support strategies. Positive choices of women in the Positive Birth after Caesarean clinic; randomized trial. Australian and New Zealand Journal of Obstetrics and Gynaecology, 59, 684-692.

Wolley, M., Stewart, R., Curry, E., Davidson, J., White, H., Pilmore, H. (2013) Variation in and prognostic importance of troponin T measured using a high-sensitivity assay in clinically stable haemodialysis patients. Clinical Kidney Journal, 6 (4), 402-409

Wright, T., Jowsey, T., Stanton, J., Elder, H., Stevens, S., Wouldes, T. (2018) Patients experiences of a psychiatric Mother Baby Unit. PLOS one, https://doi.org/10.1371/journal.pone.0198241

Wright, T., Young, K., Darragh, M., Corter, A., Soosay, I., Goodyear-Smith, F. (2020) Perinatal e-screening and clinical decision support: the Maternity Case-finding Help Assessment Tool (MatCHAT). Journal of Primary Health Care, 12(3), 265–271. doi:10.1071/HC20029

Ying, T., Gill, J., Webster, A., Kim, S.J., Morton, R., Klarenbach, S.W., Kelly, P., Ramsay, T., Knoll, G.A., Pilmore, H., Hughes, G., Herzog, C.A., Chadban, S., Gill, J.S. (2019) Canadian-Australasian Randomised trial of screening kidney transplant candidates for coronary artery disease-A trial protocol for the CARSK study. American Heart Journal, 214, 175-183

Published Abstracts

Alnasrallah, B., Pilmore, H., Manley, P. (2016) Transplantation and Diabetes (TRANSDIAB): a pilot randomised controlled trial of metformin in pre-diabetes after kidney transplantation. 34th Annual Scientific meeting, The Transplant Society of Australia and New Zealand

Bach, K.P., Huth, S., Phua, H.H., Skwish, H., Bloomfield, F.H. (2018) Does bias gas flow in ventilated extremely preterm infants affect lung injury or the risk of bronchopulmonary dysplasia?: the FLORA RCT. Journal of Paediatrics and Child Health 54 (Suppl. 1) (2018) 3–128

Chen, Q., Xiao, X., Zhao, M., Tong, M., Wise, M., Stone, P., Chamley, L. (2016) The antihypertensives, nifedipine and labetalol prevent endothelial cell activation in response to placental extracellular vesicles released from 1st trimester placental explants that had been treated with preeclamptic sera. Pregnancy Hypertension: An International Journal of Women's Cardiovascular Health, 6 (3) 140

Cormack, B. E., Embleton, N.D., Van Goudoever, J.B., Hay, W.W. Jr, & Bloomfield, F. H. (2016). 'Comparing apples with apples: is it time for standardised reporting of neonatal nutrition and growth studies? 25th Annual Congress of the Perinatal Society of Australia and New Zealand, Townsville, Queensland, May 2016.

Cormack, B.E., Knoll, D., Webster, D., Bloomfield, F.H. 'Amino acid profiles of extremely low birthweight babies in New Zealand differ by sex and by intensive care nursery.' 25th Annual Congress of the Perinatal Society of Australia and New Zealand, Townsville, Queensland, May 2016.

Cormack, B.E., Crowther, C.A., Harding, J.E., Conlon, C.A.3, Jiang, Y., Bloomfield, F.H. 'ProVIDe study protocol: does better early nutrition in preterm babies improve neurodevelopment?' Journal of Paediatrics and Child Health 2014; 50 (Suppl 1): PS039, p43.

Dalziel, S.R., Sinclair, O., Shepherd, M., Neutze, J., Tan, E., Wallace, A., Brabyn, C., Bonisch, M., Grey, N., McNamara, D., Thompson, J., Johnson, D., Asher, I. (2017) Prednisolone for preschool children presenting with acute wheeze: A multicentre RCT. European Respiratory Journal 2017 50: PA1312; DOI: 10.1183/1393003.congress-2017.PA1312

Dawes, L.K., Prentice, L.R., Groom, K.M. (2018) A blinded, prospective observational study comparing qualitative fetal fibronectin, quantitative fetal fibronectin and Partosure (PAMG-1) to assess the risk of preterm birth in women with threatened preterm labour (2018) Journal of Paediatrics and Child Health, 54 (Suppl. 1) 17

Dowen, F., Pilmore, H. (2016) Use of visual aids in promoting patient understanding of survival with treatments for end stage kidney disease. 34th Annual Scientific meeting, The Transplant Society of Australia and New Zealand

Farquhar, C., Liu, E., Armstrong, S., Arroll, N., Lensen, S., Brown, J. (2017) A randomized controlled trial of intrauterine insemination with clomiphene citrate stimulation compared with expectant management for women with unexplained infertility (The TUI study). Human Reproduction, 32 Suppl 1, O-010

Groom, K., McCowan, L.M.E., Mackay, L., Lee, A., Said, J., Kane, S., Walker, S., Van Mens, T., Hannan, N., Tong, S., Chamley, L., Stone, P., McLintock, C. (2017) The EPPI Trial - Enoxaparin for the prevention of preeclampsia and intrauterine growth restriction in women with a prior history: an open-label international multicentre randomised controlled trial. Journal of Paediatrics and Child Health, 53, S2 Abstracts of the 21st Annual Congress of the Perinatal Society of Australia and New Zealand (PSANZ), 2–5 April 2017, Canberra

Kent, M., Ruygrok, P., Sidhu, K., Stewart, J., Nair, A., Ellis, C., Webster, M. (2016) Time to Reperfusion in Patients with ST Elevation Myocardial Infarction Presenting via Different and Distinct Logistic Pathways. Heart, Lung and Circulation, Volume 25, Supplement 1, S1-S40

Lee, J.H., Nuthall, G., Ikeyama, T., Saito, O., Mok, Y.H., Nadkarni, V.M., Nishisaki, A. (2015) An international national emergency airway registry for children: Comparison of tracheal intubation practices across international PICUs. Journal of Critical Care, 30 (4) 854

Orr, D., Myint, H., Murphy, R. (2016) Probiotic supplementation after Very Low Calorie Diet does not aid improvement of the metabolic syndrome or maintenance of weight loss post Liver Transplant. A randomised double-blind placebo controlled trial. The AASLD Liver Meeting, Boston. Hepatology, 64 (1 Suppl)

Peter Ou,* Kim Gear,† Fahimeh Rahnama,‡ Stephen Thomas,‡ Radhika Nagappan,‡ Dennis Kee,‡

Sharon Waldvogel-Thurlow,* Ravi Jain,* Nick McIvor, † Mark Izzard † and Richard Douglas

Peter Ou,* Kim Gear,† Fahimeh Rahnama,‡ Stephen Thomas,‡ Radhika Nagappan,‡ Dennis Kee,‡

Sharon Waldvogel-Thurlow,* Ravi Jain,* Nick McIvor, † Mark Izzard † and Richard Douglas

Parker, M., Nuthall, G., Brown, C., Biagis, K., Simon, D., Napolitano, N., Nadkarni, V., Nishisaki, A. (2015) Impact of adverse tracheal intubation associated events on PICU outcomes. Critical Care Medicine, 43(12) Supplement 1, December 2015, p 198

Patten, C. (2016) The ERUPT Study - Evaluating the Rate of Undiagnosed Type 2 Diabetes in Patients (Erupt) Referred for Coronary Angiograms. Heart, Lung and Circulation, Volume 25, Supplement 1, S1-S40

Patterson, N., Bach, K.P., Huth, S., Phua, H., Bloomforld, F.H. (2016) Does bias gas flow affect the levels of proinflammatory cytokines in the blood and tracheal aspirates of ventilated preterm infants? Proceedings of the 20th Annual Conference of the Perinatal Society of Australia and New Zealand, Townsville, Australia

Robinson, E.R., Douglas, C., Gale, T.L., Twiss, J., McNamara, D.G. (2013) Non-invasive measurement of neural respiratory drive

in children. Abstracts of the Thoracic Society of Australia & New Zealand and the Australian & New Zealand Society of Respiratory Science 2013 Annual Scientific Meetings, Darwin, NT. Respirology, Volume 18, Issue Supplement S2, 1–92

Srikumar, G., Pilmore, H., Sidhu, K., Webster, W. (2015) Management of coronary artery disease in dialysis patients. Heart, Lung and Circulation, 24, Suppl. 2, p. S89

Tan, L., Taylor, E., Hannam, J.A., Salkeld, L., Salman, S., Anderson, B.J. (2016) Pharmacokinetics and analgesic effectiveness of intravenous parecoxib for tonsillectomy ± adenoidectomy. Paediatr Anaesth.26 (12) 1126-1135.

Vallely A, Hughes L, Wise M. (2016) Women's Satisfaction with a Primary Caesarean Section and Preference for Subsequent Births - An Early Postnatal Review of Attitudes. Abstract published in Austr NZ J Obstet Gynaecol 2016;56:62

Welch, R., Kolbe, J., McGoram, A., Babbage, T., Ellyett, K. (2019) Relative prevalence of ventilator limitation in male and female adolescent athletes at peak exercise. Respirology, 24 (Suppl. 1), 4-12.

Wilson, N., Mitchelson, B., Peat, B., Webb, R., Anderson, A., Jack, S., Kerr, A. (2018) The New Zealand Rheumatic Heart Disease Registry. Heart, Lung and Circulation, 27:S19 DOI:10.1016/j.hlc.2018.05.141.

Guidelines

Simmonds, S. (2015) A framework for Māori review of research in District Health Boards

Presentations

Burge, A., Nelson, M., Purdy, S., Kool, B., Leversha, A. Paed Soc NZ ASM 2019 Alison Burge1 , Moira Nelson2 , Suzanne Purdy2 , Bridget Kool3 , Alison Leversha1ACEs and resilience in Tamaki

Cloete, E. (2016) Pulse oximetry screening at Auckland City Hospital. National Women's Annual Clinical Report Day, Auckland

Cloete, E. (2017) Can hospital-led pulse oximetry screening programmes result in equitable outcomes for newborns with critical congenital heart disease? PSNZ meeting, Wellington

Cloete, E. (2017) Improving outcomes for babies born with heart disease. Liggins Institute Public Lecture, Auckland

Cloete, E. (2017) The value of pulse oximetry screening for critical congenital heart disease. Heart Kids Conference, Auckland

Cloete, E. (2017) Pulse oximetry screening. Starship Grand Round Presentation, Auckland

Cloete, E. (2018) Left heart obstruction: Incidence and survival. Annual Perinatal and Maternal Mortality Review Committee Meeting, Wellington

Cloete, E. (2018) Pulse oximetry screening update. National Women's Annual Clinical Report Day, Auckland

Cormack, B.E. (2014) Extremely low birthweight babies – how to get more protein in. Australasian Parenteral and Enteral Nutrition Society Annual Scientific Meeting, Auckland

Cormack, B.E. (2014) Protein and Preterm growth, Protein in Paediatrics. Nestle Nutrition Institute Regional Symposium, Adelaide

Dalziel, S.R., Sinclair, O., Shepherd, M., Neutze, J., Tan, E., Wallace, A., Brabyn, C., Bonisch, M., Grey, N., McNamara, D., Thompson, J., Johnson, D., Asher, I. (2017) Prednisolone for preschool children presenting with acute wheeze: A multicentre RCT. European Respiratory Society International Congress 2017, Milan.

Farquhar, C., Liu, E., Armstrong, S., Arroll, N., Lensen, S., Brown, J. (2017) A randomized controlled trial of intrauterine insemination with clomiphene citrate stimulation compared with expectant management for women with unexplained infertility (The TUI study). European Society of Human Reproduction and Embryology Annual Meeting, Geneva

Grant, C.C., Crane. J., Mitchell, E.A., Sinclair, J., Stewart, A., Milne, T., Knight, J., Gilchrist, C., Camargo, C.A Jr. (2016) Vitamin D Supplementation During Pregnancy and Infancy Reduces Sensitisation to House Dust Mite: a Randomised Controlled Trial. European Academy of Paediatrics

Groom, K., McCowan, L.M.E., Mackay, L., Lee, A., Said, J., Kane, S., Walker, S., Van Mens, T., Hannan, N., Tong, S., Chamley, L., Stone, P., McLintock, C. (2017) The EPPI Trial - Enoxaparin for the prevention of preeclampsia and intrauterine growth restriction in women with a prior history: an open-label international multicentre randomised controlled trial. Presented at the 37th annual meeting of the Society for Maternal-Fetal Medicine, Las Vegas, NV, Jan. 23-28, 2017.

Hegarty, J.E., Harding, J.E., Gamble, G.D., Crowther, C.A., Edlin, R., Alsweiler, J.M. (2015) Preventing neonatal hypoglycaemia with oral dextrose gel. A randomised controlled trial. 19th Annual Perinatal Society of Australia and New Zealand, Melbourne

Hegarty, J.E., Harding, J.E., Gamble, G.D., Crowther, C.A., Edlin, R., Alsweiler, J.M. (2015) Preventing neonatal hypoglycaemia with oral dextrose gel. A randomised controlled trial. World Congress of Perinatal Medicine, Madrid

Kalluru, K., Wilsher, M.L., Milne, D.M., Ng, K.P. (2013) Prevalence of autoantibodies in idiopathic inflammatory myopathy and/or interstitial pneumonia. World Association of Sarcoidosis and Other Granulomatous Disorders, Paris.

Lee, J., Nuthall, G., Ikeyama, T. et al (2015) An International National Emergency Airway registry for Children: Comparison of tracheal Intubation Practices Across International PICU's. World Congress on Pediatric Intensive and Critical care Societies 2015

Leung, M., Poppe, T., Tottman, A., Thompson, B., Black, J., Dai, S., Harding, J., Bloomfield, F., Alsweiler, J.M. Preterm Birth and visual outcomes at 7 Years of Age. 21st Annual Meeting of the Perinatal Society of Australia and New Zealand, Canberra, 2017.

Leung, M., Poppe, T., Tottman, A., Thompson, B., Black, J., Dai, S., Harding, J., Bloomfield, F., Alsweiler, J.M. Very Preterm Birth and its Effects on Visual Development at 7 Years of Age. Elite School of Optometry (ESO) International Vision Science & Optometry Conference, Tamalnadu, 2015.

Mulholland, A., Ainsworth, A., Pillarisetti, N. (2017) The bacterial diversity of the Lung Microbiome of Children with Non-CF Bronchiectasis at diagnosis is similar to healthy controls-opportunities for preservation. World Bronchiectasis Conference, Milan, 2017.

Nelson, M., Purdy, S., Ballard, E., Burge, A., Leversha, A., 2017.Communication skills of new entrants in a sociodemographically–disadvantaged community: What implications does this have for educational pedagogy and SLT practice? Oral Presentation The New Zealand Speech-language Therapists' Association PD Symposium, Auckland

Poppe, T., Leung, M., Tottman, A., Harding, J.H., Bloomfield, F.H., Alsweiler, J.M., Thompson, B. fMRI Measures of the Dorsal Visual Cortex Correlates with Behavioral Performance and Cortical Thickness. International Society for Magnetic Resonance Imaging in Medicine (ISMRM), Toronto, 2015.

Roberts, S., Freeman, J. (2012) Anaerobic Antimicrobial Susceptability Test Results. Australian Society for Antimicrobials 13th Annual Scientific Meeting, Antimicrobials 2012, 23rd-25th February 2012, Brisbane, Australia.

Stallworthy, E. End of life care preferences and needs: perceptions of satellite and incentre haemodialysis patients treated by Auckland District Health Board. Oral presentation Australia and New Zealand Society of Nephrology Annual Scientific Meeting August, 2014

Tottman, A.C., Alsweiler, J.M., Wouldes, T.A., Thompson, B., Gamble, G., Bloomfield, F.H., Harding, J.E. Unrecognised neurodevelopmental and health problems in school aged children born very preterm. 20th Annual Perinatal Society of Australia and New Zealand, Townsville, 2016.

Tottman, A.C., Alsweiler, J.M., Wouldes, T.A., Thompson, B., Gamble, G., Bloomfield, F.H., Harding, J.E. Scarring in school-age children born very preterm. Perinatal Society of New Zealand, Dunedin, 2015.

Wijayaratne, S. (2018) Young people with type 2 diabetes and type 1 diabetes in the Auckland region: prevalence of mental health illnesses, fatty liver and macrovascular outcomes. New Zealand Society for the Study of Diabetes Annual Scientific Meeting

Williams, G., Sherring, C., Beca, J., Dalziel, S (2016) Starship paediatric early warning system: is it fit for purpose? PAEDIATRIC SOCIETY OF NEW ZEALAND 68TH ANNUAL SCIENTIFIC MEETING

Williams, L.Z.J., McNamara, D., Alsweiler, J.M. Intermittent hypoxaemia in infants born late preterm. 21st Annual Meeting of the Perinatal Society of Australia and New Zealand, Canberra 2017

Williams, L.Z.J., McNamara, D., Alsweiler, J.M. Trends of oxygen saturation in late preterm infants. Joint European Neonatal Societies, Venice, 2017

Wright, T. Infants co-admitted to Auckland's newly developed Mother-Baby Unit. Royal Australian and New Zealand College of Psychiatrists 2018 Congress, Auckland.

Posters

Amende, H., Aspden, T., Honey, M., Chan, A.H.Y., Chang, R., Ashmore-Price, H., French, A., Brackley, K. (2019) Determining patients' medicines information needs efficiently – optimising a clinical assessment tool. Auckland DHB Research Poster Week 2019 and New Zealand Hospital Pharmacists Association 2019.

Bellissima, B., Garavan, F., Tingle, M (2016) Determination of post-mortem clozapine levels in coronial autopsy cases. ASCEPT NZ 2016, Queenstown

Blincoe, A, Byrnes, C., Sinclair, J., Lim, D., Brothers, S (2015) Do Defects in the Innate Immune System Contribute to Bronchiectasis in Maori and Pacific Island Children? Auckland DHB Research Poster Week 2015 – Best Medical Poster

Campbell, D., Mrcobrada, M., Short, T.G., Devereaux, P.J. (2019) Covert stroke after non-cardiac surgery. Auckland DHB Research Poster Week 2019

Deng, C., Campbell, D., Diprose, W., Eom, C., Robertson, N., Short, T.G., Brew, S., Caldwell, J., McGuinness, B., Barber, P.A. (2019) A pilot randomised controlled trial of the management of systolic blood pressure during endovascular thrombectomy for acute ischaemic stroke – the MASTERSTROKE pilot study. Auckland DHB Research Poster Week 2019

Depledge, J., McNair, P., Ellis, R. (2018) The Effect of Exercise and Bracing on Early Postnatal Women with Rectus Abdominis Diastasis. Auckland DHB Research Poster Week 2018

Maxwell, E., Short, T.G., Campbell, D., Weymouth, E., Sessler, D., Buggy, D. (2019) Recurrence of breast cancer after regional or general anaesthesia: a randomised controlled trial. Auckland DHB Research Poster Week 2019

Oliver, V., Cole, A., Gane. (2016) Auckland Central Liver Clinic (ACLC): a pilot-project. Auckland DHB Research Poster Week 2016

Rice, K. (2017) Fontan Conversion – attempting to preserve the sinus node in anti-arrhythmia surgery. World Congress of Pediatric Cardiology and Cardiac Surgery, Barcelona, July 16-21.

Rice, K. (2017) Fontan Conversion: functional outcomes over time; a single centre experience. World Congress of Pediatric Cardiology and Cardiac Surgery, Barcelona, July 16-21.

Stanton, J., Thomas, D., Mackay, P., Jarbin, M. (2019) Self Determination Theory in the Acute Child and Adolescent Mental Health Inpatient Unit. An Exploratory Study. Auckland DHB Research Poster Week 2019

Stewart, H.A., Tottman, A.C., Alsweiler, J.M., Bloomfield, F.H., Gamble, G., Thompson, B., Wouldes, T.A., Harding, J.E. Left Hand Preference and Fine Motor Outcomes in School Aged Children Born Very Preterm. 20th Annual Perinatal Society of Australia and New Zealand, Townsville, 2016.

Tilton, E., Mitchelson, B., Peat, B., Kerr, A., Jack, S., Anderson, A., Webb, R., Wilson, N. (2019) The New Zealand Rheumatic Heart Disease Registry. Auckland DHB Research Poster Week 2019

Tottman, A.C., Alsweiler, J.M., Bloomfield, F.H., Gamble, G.D., Harding J.E. Glucose variability in hyperglycaemic preterm neonates. 17th Annual Perinatal Society of Australia and New Zealand. Adelaide. 2013.

Vallely A, Hughes L, Wise M. (2016) Women's Satisfaction with a Primary Caesarean Section and Preference for Subsequent Births - An Early Postnatal Review of Attitudes. Poster presented at RANZCOG Annual Scientific Meeting, Perth.

Welch, R., Francis, A., Babbage, T., Kolbe, J., Ellyett, K (2018) Ventilatory limitation during exercise in adolescent athletes and its association with exercise induced dyspnoea. Auckland DHB Research Poster Week 2018

Wilsher, M.L., Kalluru, R., Milne, D.M., Ng, K.P. (2013) Prevalence of autoantibodies in idiopathic inflammatory myopathy and/or interstitial pneumonia. World Association of Sarcoidosis and Other Granulomatous Disorders, Paris.

Winbo, A. (2016) Pluripotential cells and LQTS: an update on research. Rhythm and Inherited Heart Diseases Symposium, September 2016, Auckland.

Winbo, A. (2016) How to strike up a conversations with a living, beating heart cell. Green Lane Scientific Sessions, October 2016, Auckland.

Degrees

Jill Depledge (Allied Health, National Women's) MHSc, AUT

Epenesa Iosua (2017) Human papillomavirus in carcinomas of the nasopharynx, oral tongue and larynx

Wikki Koopmans (LabPlus), PhD, University of Auckland, 2012. Common Variable Immunodeficiency in New Zealand: finding the molecular and cellular foundations

Moira Nelson (2018) Language of children starting school in Tamaki: The associaition of linguistic diversity and social disadvantage. Master's thesis, University of Auckland

Mike Nicholls (Adult Emergency Department), Master of Health Sciences, University of Auckland, 2020. Nationwide Survey of Workplace Wellbeing in New Zealand Emergency Departments

Rachael Parke (CVICU) PhD, University of Auckland, 2014. High flow nasal oxygen therapy in patients after cardiac surgery

Jessica Parker (Community Child Health and Disability Service)

Master's, University of Auckland 2017. A Qualitative Study of Parental Help Seeking.

Jackie Robinson (Palliative Care) PhD, University of Auckland, 2017. Benefit or Burden? Exploring Experiences of the Acute Hospital as a Place of Care Amongst People with Palliative Care Needs

Awards

Alana Ainsworth – (Starship Respiratory) Best Medical Poster, Auckland District Health Board Research Poster Week 2016

Alana Ainsworth – (Starship Respiratory) American Thoracic Society 2017 Public Advisory Roundtable (PAR) Abstract Scholarship

Kim Brackley – (Pharmacy) Clinical Support Director's Choice, Auckland DHB Research Poster Week 2019.

Jill Depledge (Allied Health, National Women's) 2016 Clinical Support Directorate Award for Research, Allied Health, Scientific and Technical Awards

Frances Dowen (Renal Department) Finalist - Young Investigator Award 2015

Cindy Farquhar – (National Women's Health) Health Research Council Liley Medal 2018

Groom, K., McCowan, L.M.E., Mackay, L., Lee, A., Said, J., Kane, S., Walker, S., Van Mens, T., Hannan, N., Tong, S., Chamley, L., Stone, P., McLintock, C. (2017) Editors Choice - The EPPI Trial - Enoxaparin for the prevention of preeclampsia and intrauterine growth restriction in women with a history: a randomised trial. American Journal of Obstetrics and Gynecology, 216, 296.e1-14

Anna Mulholland – (Starship Respiratory) Rising Star Award, World Bronchiectasis Conference, Milan, 2017

Anna Mulholland – (Starship Respiratory) Best Starship Poster, Auckland District Health Board Research Poster Week 2017

Script Antibiotic Treatment App (2016) Finalist – Best Awards, Digital Products. Contributors Eamon Duffy, Chang-Ho Yoon, Stephen Ritchie.

Annika Winbo (2016) Green Lane Scientific Sessions. Green Lane Trophy for best presentation

Funding for Research

In 2021 Auckland DHB researchers and their colleagues have enjoyed considerable success in obtaining funding in the millions for their research from a variety of charitable and public-good sources.

AHREF Research Grants

The hallmark of a great hospital is having a research programme of excellence. The Auckland Hospitals Research and Endowment Fund (AHREF) is a major supporter of research and the culture of research and innovation. This culture is helping reshape healthcare for our patients to ensure that they receive the best care possible. The funding has supported Auckland DHB researchers from all disciplines to undertake research across the health spectrum, from patients to population, disease to prevention, and service delivery. Here are the successful applications for 2021.

A+ Trust Project and Small Project Grants

Sharin Asadi (Starship Community) Language, movement, and impulse control in children starting school in high decile schools: Is it lower than expected, and how different is it to children starting school in low decile schools? ($14,954)

Chen Chen (Anaesthesia) Effect of phenylephrine and norepinephrine on cerebral blood flow during general anaesthesia in adult patients having non-cardiac surgery ($7,800)

Barbara Cormack (Paediatric Dietetics) Analysing Vitamin status and early Intravenous Nutrition in the NICU - The AVIatioN study ($50,000)

Carolyn Deng (Anaesthesia) Patients' perception and understanding of postoperative neurological complications: a mixed-methods study using survey and interviews of surgical patients in New Zealand ($49,992)

Cindy Farquhar (National Women's Health) Colorado Combined Adjuvant Therapy in in-vitro fertilisation (IVF) or frozen embryo transfer cycles for women/couples with recurrent implantation failure (RIF) ($49,500)

Alison Leversha (Starship Community) Oral health inequity: Understanding pathways of care and opportunities for innovation ($38,500)

Rochelle Newport (Starship Community) Hapu Māmā Oranga Niho Ki Tāmaki: Lived experience of free dental care during pregnancy ($14,983)

Rita Sigley (Paediatric Endocrinology and Diabetes) Psychological and Diabetes self-care outcomes for Children and Adolescents attending Diabetes Camps, Auckland, New Zealand, 2023; and examination of the 'common humanity' of attending camps ($48,658)

Michelle Wise (National Women's Health) Impact of abortion law reform on abortion services at Epsom Day Clinic ($7,980)

A+ Trust Summer Student Grants

Amy Chan (Pharmacy) Junior doctor prescribing accuracy at Auckland District Health Board.

Amy Lovell (Nutrition and Dietetics) Understanding patient and whānau experiences of nutrition and dietetic support during childhood cancer treatment

Ryan Welch (Physiology) Steady state exercise breathing.

[NEWSFLASH] ++++++++++ **World first: researchers identify potential cause and treatment for obesity and insulin resistance.**

Researchers have shown for the first time that mesenteric (gut) lymphatic dysfunction is a potential cause of and therapeutic target for obesity and insulin resistance. The ground-breaking study, published in the prestigious journal Nature Metabolism, identified a profoundly damaging cycle in which a high fat diet promotes dysfunction of the mesenteric lymphatics, that in turn leads to accumulation of abdominal fat.

Notably, the study also provides evidence that intervening in this cycle by inhibiting the pathways associated with lymphatic dysfunction may be a treatment for both obesity and associated metabolic disease.

Preclinical experiments with rats carried out by researchers at Monash University and the University of South Australia were repeated in clinical samples ***with funding from the AHREF (small project grant 2017)***.

Samples of small bowel and mesentery were provided by lean and obese patients undergoing surgery at the Auckland City Hospital. The samples were then processed and transported to Monash for laboratory experiments which suggest that the key observations made in the animal studies extend to humans as well.

Professor John Windsor, the study's lead investigator at Te Toka Tumai Auckland, sees this as an excellent example of transdisciplinary research that is critical for the translation of key experimental findings to the clinical setting and potential patient benefit.

Read the article: Mesenteric lymphatic dysfunction promotes insulin resistance and represents a potential treatment target in obesity. Nature Metabolism (2021) 3 (9) pp1175-1188.]

Alzheimer's New Zealand

Gary Cheung (Mental Health Services for Older People) Research Fellowship ($15,000)

[Dr Gary Cheung is a Consultant Psychogeriatrician with Mental Health Services for Older People and a Senior Lecturer in Psychiatry at the University of Auckland and conducts research in the field of old age psychiatry. He has been instrumental in introducing cognitive stimulation therapy (CST), an evidence based non-pharmacological intervention for dementia, to New Zealand.

Gary co-leads the dissemination and research of CST with Dr Kathy Peri through Alzheimers New Zealand's **Dementia Learning Centre.** He also researches how to adapt CST for Māori with Dr Makarena Dudley, who is New Zealand's leading Māori dementia researcher.

The **Alzheimers New Zealand Fellowship** will provide Gary with $15,000 to support his research which will focus on analysing existing interRAI* clinical data to understand how the progression of cognitive impairment may be predicted.

"We brought CST to New Zealand in 2014 when the treatment was not routinely available here. Now, seven years later, a number of organisations are using it to help people living with dementia."

"I am excited to continue my research. We have a lot of interesting data already in New Zealand through the Ministry of Health. By analysing these data we can see whether we can improve clinical practices and the quality of life for people living with dementia."

"We will also work with colleagues in Canada on cross-country validation to see if we can use interRAI data to predict the progression of cogntiive impairemnt over time."

"The research environment in New Zealand is very competitive so being awarded this Fellowship is a great opportunity. I am very thankful to Alzheimers New Zealand for supporting my research."

*interRAI assessments are comprehensive clinical assessments, which focus on a person's function. They are designed to show the assessor opportunities for improvement and any risks to the person's health, which then form the basis of a care plan.

Auckland Medical Research Foundation

Clinton Lewis, Richard Doocey, Timothy Hawkins, Peter Browett, Nicole Chien (Haematology) BM12 CAST STUDY: CYCLOPHOSPHAMIDE AFTER SIBLING-DONOR ALLOGENIC STEM-CELL TRANSPLANTATION ($98,982)

Helen Pilmore, Michael Collins, Ian Dittmer, Germaine Wong, Paul Manley, Sally Roberts (Renal Medicine, Microbiology) COVID-19 VACCINATION IN PATIENTS WITH CHRONIC KIDNEY DISEASE - NEW ZEALAND (C-VAK NZ study) ($159,505)

Giuseppe Sasso, Maria-Lee Pearse (Radiation Oncology) PACE C: INTERNATIONAL RANDOMISED STUDY OF CONVENTIONALLY FRACTIONATED RADIOTHERAPY VS SBRT FOR ORGAN-CONFINED PROSTATE CANCER ($68,320 0

Anna Waylen, Tim Short, Doug Campbell, Greg O'Grady, Ben Lawrence, Sarah Nicolson (Anaesthesia, General Surgery, Medical Oncology) VAPOR-C TRIAL ($142,668)

Australian and New Zealand College of Anaesthetists

Dr Doug Campbell, Dr Carolyn Deng, Dr Robyn Billing, Professor Tim Short, Professor Alan Barber (Anaesthesia, Neurology) Management of systolic blood pressure during thrombectomy by endovascular route for acute ischaemic stroke: the MASTERSTROKE trial ($A69,560)

Dr Chen Chen, Dr Douglas Campbell (Anaesthesia) Effect of phenylephrine vs norepinephrine on cerebral blood flow in patients for non-cardiac surgery general anaesthesia ($A17,255)

Cancer Research Trust

Michelle Wilson (Medical Oncology) ADjuvant tislelizumab plus chemotherapy after post-operative pelvic chemoradiation in high-risk EndometriaL cancer (ADELE): a randomised phase 2 trial ($115051)

Cure Kids

Ben Albert (Paediatric Endocrinology and Diabetes) Ongoing follow-up for study of fish oil in pregnancy, including breastfeeding and early childhood

Health Research Council of New Zealand

Dr Emma Best (Paediatric Infectious Diseases) Understanding measles: severity and sequelae ($1,104, 966)

Dr Barbara Cormack (Paediatric Dietetics) Analysing vitamin status and early intravenous nutrition in the NICU ($29,929)

Dr Ross Drake (Paediatric Palliative Care) RAPID paediatric palliative care and pain ($30,000)

Dr Helen Evans (Paediatric Gastroenterology) Engagement in healthcare in young adults and adolescents after liver transplant ($30,000)

Justin Kennedy-Good (Ara Manawa) Innovation flow in healthcare – 3D printing ($30,000)

Dr Clare O'Donnell, Professor Robert Doughty (Paediatric and Adult Cardiology) Pilot - Developing a national Adult Congenital Heart Disease (ACHD) Registry ($26,130)

Dr Sarah Primhak (Paediatric Infectious Diseases) Treatment of Impetigo with Antiseptics - Replacing Antibiotics (TIARA) Trial ($160,000)

Dr Lynn Sadler (National Women's Health) Clinical Practitioner Research Fellowship ($892,380)

Sarvnaz Taherian (Ara Manawa) Understanding the enablers of innovation in the hospital environment ($110,000)

Dr Amelia Tekiteki, Associate Professor Helen Pilmore (Renal Medicine) Identifying the barriers to kidney transplant for Pasifika patients with ESRD ($148,541)

Dr Alison Leversha (Starship Community) School absence and stand-down: Preventive trauma and tikanga-informed approach ($28,410)

About this project: Education is one of the strongest predictors of good health. Tamariki who achieve at school are more likely to grow up healthy and successful.

There is a clear dose-response: the more school you attend the higher your achievement. Conversely, young people who are chronically absent, stood down or drop out of school prematurely and more likely to engage in risky behaviours and to have negative health and social outcomes.

Forty five percent of tamariki/rangatahi who die from nonmedical causes have been stood down, suspended, or disengaged from school (vs none who die from medical reasons). Māori tamariki/rangatahi are disproportionately affected: 8% of ADHB population vs 55% of those who died and stood down. The Dunedin Longitudinal study has identified poor self-regulation as the most significant risk factor for future adverse outcomes. Early childhood conduct problems are markers for future adverse outcomes. A small proportion of the population contributes to the majority of societal costs (health, educational, justice etc). Early identification of at-risk children with early intervention and support is cost effective, will reduce health and social inequities, and enhance population wellbeing.

We will work with the Tamaki community, exploring community-driven options for prevention and intervention for truancy, absences and stand down. Combining western and indigenous knowledge we will develop a multi-level, multi-sector collaboration based on the Tamaki Makaurau Rangatahi Action Plan, the Pae Ora Māori framework and trauma-informed and tikanga-informed approaches, acknowledging neuroscience and the effect of the past: it is not what's wrong with you but what has happened to you (and your ancestors).

Neurological Foundation of New Zealand

Christina Buchanan (Neurology) PINK1 variants in early-onset Parkinson's disease in a Pan-Pacific cohort ($83,524)

Hannah Jones (Paediatric Neurology) Investigating the role of innate immune mechanisms in autoimmune encephalitis, autoimmune movement disorders and neurodevelopment in children ($145,748)

Hannah Jones (Paediatric Neurology) Maternal psoriasis and infant neurodevelopmental outcomes – a clinical and mechanistic study ($229,635)

Catherine Tanumihardja (Neurosurgery) Circle of Willis neurovascular conference ($2648)

New Zealand Society for Gastroenterology Janssen Research Fellowship

Akhilesh Swaminathan (New Zealand Liver Transplant Unit)

Starship Foundation Clinical Research Fund

Starship Foundation

Starship Child Health and the Starship Foundation share a vision to create, at Starship, an environment of world-class research, training and innovation that will better the lives of kiwi kids faster. In 2016, that vision took an important step forward with the announcement of a significant new investment in paediatric clinical research. Since then, over $4.8M has been committed by the Starship Foundation to projects now underway. This investment enables our national children's hospital even greater ability to lead the way in evidence-based care and improved health outcomes for New Zealand's children. The Starship Foundation is proud to fund projects that save and extend lives, lift spirits, and reduce discomfort, ensure better outcome, faster recovery, and less invasive treatments, and are focused on equity and prevention to accelerate the pace of change at our national children's hospital.

Clinical research project grants awarded in 2021

John Beca (Paediatric Intensive Care Unit) Predicting long term outcomes in infants after heart surgery - a multicentre prospective trial: The NITRIC follow-up study

Cameron Grant (General Paediatrics) Prevention of wheeze-associated hospitalisations in preschoolers

Ajay Iyengar (Paediatric and Congenital Cardiac Service) The Australian and New Zealand Fontan Registry: FAN, ACE cessation & BUMP Multi-Centre Studies

Rebecca Slykerman (Paediatric Haematology-Oncology) An innovative risk calculator to predict cognitive problems in survivors of childhood cancer

Rebecca Slykerman (Paediatric Haematology-Oncology) Improving outcomes for children and adolescents living with an acquired brain injury

Elsa Taylor (Paediatric Anaesthesia) Core Outcomes in Children undergoing anaesthesia and surgery

Kate Wallace (Paediatrics and Newborn Services, Waitemata) What is the frequency and outcome of criminal investigation in children and young people seen for a medical examination for alleged sexual abuse, and what is the relationship between medical findings, charges laid and the outcome of prosecution?

John Beca's research into predicting long term outcomes in infants after heart surgery has been awarded the Athlae Lyon Research Award. This annual award was established in memory of Athlae Lyon, a founding member of the Friends of Starship, and later a long-serving member of the Starship Foundation Board of Trustees.

Publications

HOT Paper!!

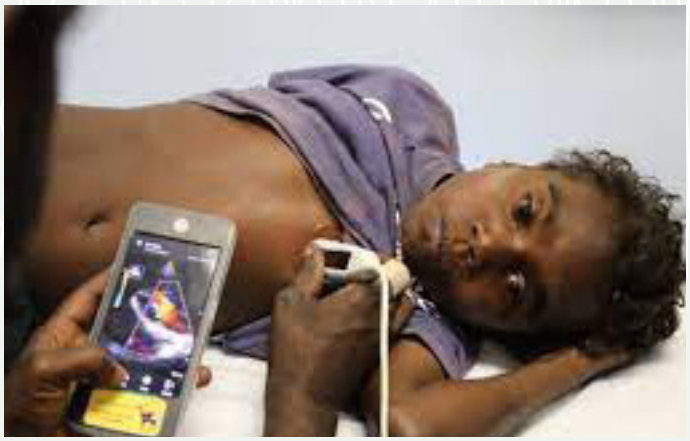
Beaton A, Okello E, Rwebembera J, et al. Secondary antibiotic prophylaxis for latent rheumatic heart disease N Engl J Med. Published online November 13, 2021. doi:10.1056/NEJMoa2102074

A randomized, controlled trial among children and adolescents with echocardiographic evidence of latent rheumatic heart disease, the use of intramuscular penicillin G benzathine every 4 weeks for 2 years was associated with a substantial reduction in the risk of echocardiographic progression of rheumatic heart disease.

The number needed to receive prophylaxis to prevent one case of latent rheumatic heart disease progression was 13 (95% CI, 10-21).

Among those with disease progression, there was a high prevalence of moderate or severe disease at 2 years, underscoring the potential clinical impact of screening.

The study starred Starship's own **Dr Nigel Wilson**, a paediatric cardiologist and world expert on rheumatic heart disease. The study was conducted in Uganda but has enormous relevance to Aotearoa where tamariki Māori and Pacific children experience very high and unacceptable rates of this condition. Rheumatic heart disease affects more than 40.5 million people worldwide and results in 306,000 deaths annually. Echocardiographic screening can detect rheumatic heart disease at an early, latent stage. This prospective, randomized study found that antibiotic prophylaxis with intramuscular penicillin G benzathine every 4 weeks for 2 years was associated with a substantial reduction compared to placebo in the risk of echocardiographic progression of latent rheumatic heart disease (risk difference, -7.5 percentage points; 95% CI, -10.2 to -4.7; $p < 0.001$), with the need to treat 13 children or adolescents to prevent disease progression in one. The high prevalence of moderate or severe disease at 2 years among those with progression underscores the potential clinical impact of pursuing broad efforts at screening and, if validated in additional studies, the use of secondary antibiotic prophylaxis for latent rheumatic heart disease



Aburn GE, Hoare K, Gott M. (2021) " We are all a family" Staff Experiences of Working in Children's Blood and Cancer Centers in New Zealand-A Constructivist Grounded Theory. J Pediatr Oncol Nurs, 38 (5), 295-306.

Al-Ani HH, Lu LM, Meyer JJ, Niederer RL. (2021) Cataract Surgery in Herpes Simplex Virus Ocular Disease. J Cataract Refract Surg, Jul 12. doi: 10.1097/j.jcrs.0000000000000745.

Al-Ani HH, Sheck L, Vincent AL. (2021) Peripheral pigmented lesions in ABCA4-associated retinopathy. Ophthalmic Genet, 42 (4), 383-391.

Albert BB, Derraik JGB, Xia YY, Norris T, Zhang T, Han TL, Chang C, Rowan A, Gallier S, Souza RT, Hammond JJ, Zhou W, Zhang H, Qi HB, Baker PN. (2021) Supplementation with milk enriched with complex lipids during pregnancy: A double-blind randomized controlled trial. PLoS One, 16 (2), e0244916.

Alburaiky S, Dale RC, Crow YJ, Jones HF, Wassmer E, Melki I, Boespflug-Tanguy O, Do Cao J, Gras D, Sharpe C. (2021) Opsoclonus-myoclonus in Aicardi-Goutières syndrome. Dev Med Child Neurol, 63 (12), 1483-1486.

Alexander HC, McLaughlin SJ, Thomas RH, Merry AF. (2021) Checklists for image-guided interventions: a systematic review. British Journal of Radiology, 94 (1121), 20200980.

Alexander HC, Nguyen CH, Bartlett AS, Thomas RH, Merry AF. (2021) Reporting of Clinical Outcomes After Endovascular Aortic Aneurysm Repair: A Systematic Review. Ann Vasc Surg, 77, 306-314.

Alexander H, Wen D, Chu M, Han C, Hadden P, Thomas R, Bartlett A. (2021) Selective internal radiation therapy for hepatic metastases of uveal melanoma: a systematic review. Br J Radiol, 95 (1129), 20210200.

Alhilali M, Hearn JI, Rong J, Jain L, Bolam SM, Monk AP, Munro JT, Dalbeth N, Poulsen RC. (2021) IL-1β induces changes in expression of core circadian clock components PER2 and BMAL1 in primary human chondrocytes through the NMDA receptor/CREB and NF-βB signalling pathways. Cell Signal, 87:110143. doi: 10.1016/j.cellsig.2021.110143.

Amer MA, Herbison GP, Grainger SH, Khoo CH, Smith MD, McCall JL. (2021) A meta-epidemiological study of bias in randomized clinical trials of open and laparoscopic surgery. Br J Surg, 108 (5), 477-483.

Ameratunga R, Allan C, Lehnert K, Woon ST. (2021) Perspective: Application of the American College of Medical Genetics Variant Interpretation Criteria to Common Variable Immunodeficiency Disorders. Clin Rev Allergy Immunol, 61 (2), 226-235.

Ameratunga R, Jordan A, Cavadino A, Ameratunga S, Hills T, Steele R, Hurst M, McGettigan B, Chua I, Brewerton M, Kennedy N, Koopmans W, Ahn Y, Barker R, Allan C, Storey P, Slade C, Baker A, Huang L, Woon ST. (2021) Bronchiectasis is associated with delayed diagnosis and adverse outcomes in the New Zealand Common Variable Immunodeficiency Disorders cohort study. Clin Exp Immunol, 204 (3), 352-360.

Ameratunga R, Longhurst H, Lehnert K, Steele R, Edwards ESJ, Woon ST. (2021) Are All Primary Immunodeficiency Disorders Inborn Errors of Immunity? Front Immunol, 12, 706796.

Ameratunga R, Longhurst H, Steele R, Lehnert K, Leung E, Brooks AES, Woon ST. (2021) Common Variable Immunodeficiency Disorders, T-Cell Responses to SARS-CoV-2 Vaccines, and the Risk of Chronic COVID-19. J Allergy Clin Immunol Pract, 9 (10), 3575-3583.

Ameratunga R, Longhurst H, Steele R, Woon ST. (2021) Comparison of Diagnostic Criteria for Common Variable Immunodeficiency Disorders (CVID) in the New Zealand CVID Cohort Study. Clin Rev Allergy Immunol, 61 (2), 236-244.

Ameratunga R, Woon ST, Jordan A, Longhurst H, Leung E, Steele R, Lehnert K, Snell R, Brooks AES. (2021) Perspective: diagnostic laboratories should urgently develop T cell assays for SARS-CoV-2 infection. Expert Rev Clin Immunol, 17 (5), 421-430.

Ameratunga R, Woon ST, Steele R, Snell R, Medlicott N, Mears E, Leung E, Lehnert K, Jordan A, Das S, Abbott W, Longhurst H, Quiñones-Mateu ME. (2021) Perspective: the nose and the stomach play a critical role in the NZACE2-Pātari* (modified ACE2) drug treatment project of SARS-CoV-2 infection. Expert Rev Clin Immunol, 17 (6), 553-560.

Anderson M, Parke R, Jull A. (2021) Effect of Cardiac Surgery on Health-Related Quality of Life in Patients Aged 75 Years or Older: A Prospective Study. Heart, Lung and Circulation, 30 (2), 282-287.

Anderson N, Pio F, Jones P, Selak V, Tan E, Beck S, Hamilton S, Rogan A, Yates K, Sagarin M, McLeay A, MacLean A, Fayerberg E, Hayward L, Chiang A, Cadzow A, Cadzow N, Moran S, Nicholls M. (2021) Facilitators, barriers and opportunities in workplace wellbeing: A national survey of emergency department staff. Int Emerg Nurs, 57:101046.

Anderson NE, Slark J, Gott M. (2021) Prehospital Resuscitation Decision Making: A model of ambulance personnel experiences, preparation and support. Emerg Med Australas, 33 (4), 697-702.

Anderson YC, Wild CEK, Hofman PL, Cave TL, Taiapa KJ, Domett T, Derraik JGB, Cutfield WS, Grant CC, Willing EJ. (2021) Participants' and caregivers' experiences of a multidisciplinary programme for healthy lifestyle change in Aotearoa/New Zealand: a qualitative, focus group study. BMJ Open, 11 (5), e043516.

Ang E, Mweempwa A, Heron C, Ahn Y, Rivalland G, Ha LY, Deva S. (2021) Cardiac Troponin I and T in Checkpoint Inhibitor-associated Myositis and Myocarditis. Journal of Immunotherapy, 44 (4), 162-163.

Anic A, Lever N, Martin A, Breskovic T, Sulkin MS, Duffy E, Saliba WI, Niebauer MJ, Wazni OM, Varma N. (2021) Acute safety, efficacy, and advantages of a novel cryoballoon ablation system for pulmonary vein isolation in patients with paroxysmal atrial fibrillation: initial clinical experience. Europace, 23 (8), 1237-1243.

Antonarakis SE, Holoubek A, Rapti M, Rademaker J, Meylan J, Iwaszkiewicz J, Zoete V, Wilson C, Taylor J, Ansar M, Borel C, Menzel O, Kuželová K, Santoni FA. (2021) Dominant monoallelic variant in the PAK2 gene causes Knobloch syndrome type 2. Hum Mol Genet, 31 (1), 1-9.

Arabi YM, Gordon AC, Derde LPG, Nichol AD, Murthy S, (...), McGuinness S, McVerry BJ, Montgomery SK, Morpeth SC, Mouncey PR, Orr K, Parke R, Parker JC, Patanwala AE, Rowan KM, Santos MS, Saunders CT, Seymour CW, Shankar-Hari M, Tong SYC, Turgeon AF, Turner AM, Van de Veerdonk FL, Zarychanski R, Green C, Berry S, Marshall JC, McArthur C, Angus DC, Webb SA; REMAP-CAP Investigators. Lopinavir-ritonavir and hydroxychloroquine for critically ill patients with COVID-19: REMAP-CAP randomized controlled trial. Intensive Care Medicine, 47 (8), 867-886.

Armstrong SC, Lensen S, Vaughan E, Wainwright E, Peate M, Balen AH, Farquhar CM, Pacey A. (2021) VALUE study: a protocol for a qualitative semi-structured interview study of IVF add-ons use by patients, clinicians and embryologists in the UK and Australia. BMJ Open, 11 (5), e047307.

Aryal D, Beane A, Dondorp AM, Green C, Haniffa R, Hashmi M, Jayakumar D, Marshall JC, McArthur CJ, Murthy S, Webb SA, Acharya SP, Ishani PGP, Jawad I, Khanal S, Koirala K, Luitel S, Pabasara U, Paneru HR, Kumar A, Patel SS, Ramakrishnan N, Salahuddin N, Shaikh M, Tolppa T, Udayanga I, Umrani Z. (2021) Operationalisation of the Randomized Embedded Multifactorial Adaptive Platform for COVID-19 trials in a low and lower-middle income critical care learning health system. Wellcome Open Res, 6:14. doi: 10.12688/wellcomeopenres.16486.1.

Asatryan B, Yee L, Ben-Haim Y, Dobner S, Servatius H, Roten L,

Tanner H, Crotti L, Skinner JR, Remme CA, Chevalier P, Medeiros-Domingo A, Behr ER, Reichlin T, Odening KE, Krahn AD. (2021) Sex-Related Differences in Cardiac Channelopathies: Implications for Clinical Practice. Circulation, 143 (7), 739-752.

Asrani VM, McArthur C, Bissett I, Windsor JA. (2021) The intensivist's assessment of gastrointestinal function: A pilot study. Aust Crit Care, S1036-7314(21)00166-1.

Asrani VM, McArthur C, Phillips ARJ, Bissett I, Windsor JA. (2021) Conservative fluid resuscitation and aggressive enteral nutrition: A potentially lethal combination in patients with critical illness. ANZ Journal of Surgery, 91 (7-8), 1333-1334.

ATTACC Investigators; ACTIV-4a Investigators; REMAP-CAP Investigators, incl Parke, RL, McGuinness, SP, McArthur, CJ. (2021) Therapeutic Anticoagulation with Heparin in Critically Ill Patients with Covid-19. New England Journal of Medicine, 385 (9), 777-789.

ATTACC Investigators; ACTIV-4a Investigators; REMAP-CAP Investigators, incl Parke, RL, McGuinness, SP, McArthur, CJ. (2021) Therapeutic Anticoagulation with Heparin in Noncritically Ill Patients with Covid-19. New England Journal of Medicine, 385 (9), 790-802.

Attard C, Monagle PT, d'Udekem Y, Mackay MT, Briody J, Cordina R, Hassan EB, Simm P, Rice K, Ignjatovic V; ANZ Fontan Registry Research group. (2021) Long-term outcomes of warfarin versus aspirin after Fontan surgery. J Thorac Cardiovasc Surg, 162 (4), 1218-1228.e3

Avenell A, Bolland MJ, Grey A. (2021) Population vitamin D supplementation in UK adults: too much of nothing? Drug Ther Bull, 59 (1), 7-12.

Axfors C, Janiaud P, Schmitt AM, Van't Hooft J, Smith ER, Haber NA, Abayomi A, Abduljalil M, Abdulrahman A, Acosta-Ampudia Y, (...), McArthur CJ (...), Ioannidis JPA, Hemkens LG. (2021) Association between convalescent plasma treatment and mortality in COVID-19: a collaborative systematic review and meta-analysis of randomized clinical trials. BMC Infectious Disease, 21 (1), 1170.

Axfors C, Schmitt AM, Janiaud P, Van't Hooft J, Abd-Elsalam S, Abdo EF, Abella BS, Akram J, Amaravadi RK, Angus DC, Arabi YM, (...), McArthur C, (...), Ioannidis JPA, Hemkens LG. (2021) Mortality outcomes with hydroxychloroquine and chloroquine in COVID-19 from an international collaborative meta-analysis of randomized trials. Nat Commun, 12 (1), 2349.

Aye PS, McKeage MJ, Tin Tin S, Khwaounjoo P, Elwood JM. (2021) Population-based incidence rates and increased risk of EGFR mutated non-small cell lung cancer in Māori and Pacifica in New Zealand. PLoS One, 16 (5), e0251357.

Babl FE, Kochar A, Osborn M, Borland ML, West A, Williams A, Dalziel SR; PREDICT network. (2021) Risk of Leukemia in Children With Peripheral Facial Palsy. Annal of Emergency Medicine, 77 (2), 174-177.

Babl FE, Rausa VC, Borland ML, Kochar A, Lyttle MD, Phillips N, Gilhotra Y, Dalton S, Cheek JA, Furyk J, Neutze J, Bressan S, Davis GA, Anderson V, Williams A, Oakley E, Dalziel SR, Crowe LM, Hearps SJC. (2021) Characteristics of concussion based on patient age and sex: a multicenter prospective observational study. J Neurosurg Pediatr, 1-10. doi: 10.3171/2021.6.PEDS20953.

Babl FE, Tavender E, Ballard DW, Borland ML, Oakley E, Cotterell E, Halkidis L, Goergen S, Davis GA, Perry D, Anderson V, Barlow KM, Barnett P, Bennetts S, Bhamjee R, Cole J, Craven J, Haskell L, Lawton B, Lithgow A, Mullen G, O'Brien S, Paproth M, Wilson CL, Ring J, Wilson A, Leo GS, Dalziel SR; Paediatric Research in Emergency Departments International Collaborative (PREDICT). (2021) Australian and New Zealand Guideline for Mild to Moderate Head Injuries in Children. Emergency Medicine Australasia, 33 (2), 214-231.

Babl FE, Tavender E, Dalziel SR; Paediatric Research in Emergency Departments International Collaborative (PREDICT). (2021) From knowledge generation to synthesis to translation. Emergency Medicine Australasia, 33 (2), 192-194.

Bach KP, Kuschel CA, Patterson N, Skwish H, Huth S, Phua HH, Bloomfield FH. (2021) Effect of Bias Gas Flow on Tracheal Cytokine Concentrations in Ventilated Extremely Preterm Infants: A Randomized Controlled Trial. Neonatology, 118 (3), 332-339.

Badami KG, O'Brien J, Prestidge T. (2021) Occult alloimmunization to the D antigen (RhD) related to graft versus host disease and its treatment. Transfus Clin Biol, S1246-7820(21)00527-9.

Badii M, Gaal OI, Cleophas MC, Klück V, Davar R, Habibi E, Keating ST, Novakovic B, Helsen MM, Dalbeth N, Stamp LK, Macartney-Coxson D, Phipps-Green AJ, Stunnenberg HG, Dinarello CA, Merriman TR, Netea MG, Crişan TO, Joosten LAB. (2021) Urate-induced epigenetic modifications in myeloid cells. Arthritis Res Ther, 23 (1), 202.

Bagga E, Stewart S, Gamble GD, Hill J, Grey A, Dalbeth N. (2021) Representation of Women as Authors of Rheumatology Research Articles. Arthritis Rheumatol, 73 (1), 162-167.

Bailey MJ, Rout A, Harding JE, Alsweiler JM, Cutfield WS, McKinlay CJD. (2021) Prolonged transitional neonatal hypoglycaemia: characterisation of a clinical syndrome. Journal of Perinatology, 41 (5), 1149-1157.

Bajaj M, Smith R, Rice M. Zargar-Shoshtari K. (2021) Predictors of success following extracorporeal shock-wave lithotripsy in a contemporary cohort. Urol Ann, 13 (3), 282-287.

Baker PA, Behringer EC, Feinleib J, Foley LJ, Mosier J, Roth P, Wali A, O'Sullivan EP. (2021) Formation of an Airway Lead Network: an essential patient safety initiative. Britisj Journal of Anaesthesia, S0007-0912(21)00727-3.

Bansal A, Alsweiler JM, Oliver MH, Jaquiery A, Phua HH, Dragunow M, de Matteo R, Harding JE, Bloomfield FH. (2021) Effects of preterm birth induced with or without exogenous glucocorticoids on the ovine glucose-insulin axis. J Dev Orig Health Dis, 12 (1), 58-70.

Bartholomew K, Lawton B, Sherman SM, Bromhead C, Grant J, McPherson G, Maxwell A, Saville M, Crengle S, Scott N. (2021) Recommendations for implementing HPV self-testing in Aotearoa. New Zealand Medical Journal, 134 (1535), 11-16.

Basu I, Nagappan R, Fox-Lewis S, Muttaiyah S, McAuliffe G. (2021) Evaluation of extraction and amplification assays for the detection of SARS-CoV-2 at Auckland Hospital laboratory during the COVID-19 outbreak in New Zealand. J Virol Methods, 289, 114042.

Batra G, Ghukasyan Lakic T, Lindbäck J, Held C, White HD, Stewart RAH, Koenig W, Cannon CP, Budaj A, Hagström E, Siegbahn A, Wallentin L; STABILITY Investigators. (2021) Interleukin 6 and Cardiovascular Outcomes in Patients With Chronic Kidney Disease and Chronic Coronary Syndrome. JAMA Cardiol, 6 (12), 1440-1445.

Battin MR, van den Boom J, Oben G, McDonald G. (2021) Shoulder dystocia, umbilical cord blood gases and neonatal encephalopathy. Aust N Z J Obstet Gynaecol, 61 (4), 604-606.

Bear LR, Cluitmans M, Abell E, Rogier J, Labrousse L, Cheng LK, LeGrice I, Lever N, Sands GB, Smaill B, Haïssaguerre M, Bernus O, Coronel R, Dubois R. (2021) Electrocardiographic Imaging of Repolarization Abnormalities. Journal of the Americal Heart Association, 10 (9), e020153.

Beasley R, Kearns N, Hills T. (2021) Charting a course for the management of long COVID. Lancet Respir Med, 9 (12), 1358-1360.

Beaton A, Okello E, Rwebembera J, Grobler A, Engelman D, Alepere J, Canales L, Carapetis J, DeWyer A, Lwabi P, Mirabel M, Mocumbi AO, Murali M, Nakitto M, Ndagire E, Nunes MCP,

Omara IO, Sarnacki R, Scheel A, Wilson N, Zimmerman M, Zühlke L, Karthikeyan G, Sable CA, Steer AC. (2021) Secondary Antibiotic Prophylaxis for Latent Rheumatic Heart Disease. New England Journal of Medicine, doi: 10.1056/NEJMoa2102074.

Beaumont J, Nargesi MM, Smith S, Harte D, Smit E, Ussher J, McAuliffe G. (2021) Sensitivity and potential utility of SARS-CoV-2 rapid antigen and nucleic acid amplification tests in the context of an elimination approach. New Zealand Medical Journal, 134 (1546), 28-37.

Beck S, Kinnear FB, Maree Kelly A, Chu KH, Sen Kuan W, Keijzers G, Body R, Karamercan MA, Klim S, Wijeratne T, Kamona S, Graham CA, Roberts T, Horner D, Laribi S; HEAD Study Group. (2021) Clinical presentation and assessment of older patients presenting with headache to emergency departments: A multicentre observational study. Australas J Ageing, doi: 10.1111/ajag.12999.

Beliaev AM, Bartlett A, Bergin C. (2021) Diagnostic inflammatory markers of acute cholangitis in liver transplant recipients. ANZ J Surg, 91 (3), 439-444.

Beliaev AM, Bergin CJ, Webster MWI, Haydock DA. (2021) Surgical repair after failed thoracic endovascular aortic repair for severe blunt traumatic descending thoracic aorta injury in a young patient. ANZ J Surg, 91 (1-2), 211-213.

Beliaev AM, Ruygrok P, J Bergin C, Haydock DA, Sibal AK. (2021) Heart transplantation for recurrent Cutibacterium (Propionibacterium) acnes prosthetic heart valve endocarditis. ANZ Journal of Surgery, 91 (1-2), 196-197.

Bell M, Al Masruri G, Fernandez J, Williams SA, Agur AM, Stott NS, Hajarizadeh B, Mirjalili A. (2021) Typical m. triceps surae morphology and architecture measurement from 0 to 18 years: A narrative review. J Anat, doi: 10.1111/joa.13584.

Bellissima BL, Vara A, Helsby N, Garavan F, Tingle MD. (2021) Incidence and investigation of potential risk-factors for clozapine-associated myocarditis and cardiomyopathy in a New Zealand cohort. Psychiatry Res, 299, 113873.

Belyaev AM, Henry L, Dittmer I, MuthuKumaraswamy C, Davies CE, Bergin CJ. (2021) Socioeconomic inequality: accessibility and outcomes after renal transplantation in New Zealand. ANZ J Surg, 91 (12), 2656-2662.

Bennett J, Anderson A, 'Ofanoa M, Anderson P, Baker MG, Brown R, Devlin G, Eggleton K, Harwood M, Jansen RM, Kielar D, Malcolm J, Moreland NJ, Poskitt N, Sika-Paotonu D, Webb R, Wilson N. (2021) Acute rheumatic fever-a preventable, inequitable disease: a call for action. New Zealand Medical Journal, 134 (1535), 93-95.

Bennett J, Rentta NN, Leung W, Atkinson J, Wilson N, Webb R, Baker MG. (2021) Early diagnosis of acute rheumatic fever and rheumatic heart disease as part of a secondary prevention strategy: Narrative review. Journal of Paediatrics and Child Health, 57 (9), 1385-1390.

Benson-Cooper S, Tarr GP, Kelly J, Bergin CJ. (2021) Accuracy of ultrasound in estimating fetal weight in New Zealand. Australas J Ultrasound Med, 24 (1), 13-19.

Bergin P, Langan Y, Beghi E, Donner E, Cock H, D'Souza W, Thomas R, Scragg R. (2021) Invitation to participate in a prospective case-control study of sudden unexpected death in epilepsy. Epilepsia, 62 (5), 1280-1281.

Bernhardt IT, Moore P, Currie S, Jefferies CA. (2021) Acute hyperosmolar hyperglycaemic state in cystic fibrosis-related diabetes caused by glucocorticoid and itraconazole interaction. Journal of Cystic Fibrosis, 20 (2), 330-332.

Bhandari S, Squirrell D, Nguyen V, Wang N, Wells JM, Tan T, Barnes R, Barry R, Barthelmes D, Gillies M. (2021) Bevacizumab for diabetic macular oedema: one-year treatment outcomes from the Fight Retinal Blindness! Registry. Eye (Lond), doi: 10.1038/s41433-021-01509-x.

Bhat S, Wells CI, Tan J, Bissett IP, Lill M. (2021) Colonoscopy quality indicators in patients with and without prior colonic resection: A single-centre prospective comparative study. Colorectal Dis, 23 (7), 1755-1764.

Bhikoo R, Blakiston M, Cunningham W, McCarthy S, Charlton A, Donaldson M. (2021) Serratia Marcescens Endophthalmitis and Bacteraemia following Complicated Cataract Surgery. Ocul Immunol Inflamm, 1-2. doi: 10.1080/09273948.2020.1846060.

Bolam SM, Batinica B, Yeung TC, Weaver S, Cantamessa A, Vanderboor TC, Yeung S, Munro JT, Fernandez JW, Besier TF, Monk AP. (2021) Remote Patient Monitoring with Wearable Sensors Following Knee Arthroplasty. Sensors (Basel), 21 (15), 5143.

Bolam SM, O'Regan-Brown A, Paul Monk A, Musson DS, Cornish J, Munro JT. (2021) Toxicity of tranexamic acid (TXA) to intra-articular tissue in orthopaedic surgery: a scoping review. Knee Surg Sports Traumatol Arthrosc, 29 (6), 1862-1871.

Bolam SM, Park YE, Konar S, Callon KE, Workman J, Monk AP, Coleman B, Cornish J, Vickers MH, Munro JT, Musson DS. (2021) Obesity Impairs Enthesis Healing After Rotator Cuff Repair in a Rat Model. Am J Sports Med, 49 (14), 3959-3969.

Bolam SM, Satokar VV, Konar S, Coleman B, Monk AP, Cornish J, Munro JT, Vickers MH, Albert BB, Musson DS. (2021) A Maternal High Fat Diet Leads to Sex-Specific Programming of Mechanical Properties in Supraspinatus Tendons of Adult Rat Offspring. Front Nutr, 8, 729427.

Bolland MJ. (2021) Participant injury in clinical trials conducted in New Zealand for the benefit of manufacturers: an unfair system? New Zealand Medical Journal, 134 (1536), 124-131.

Bolland MJ, Avenell A, Grey A. (2021) Prevalence of biochemical osteomalacia in adults undergoing vitamin D testing. Clin Endocrinol (Oxf), 95 (1), 74-83.

Bolland MJ, Avenell A, Grey A. (2021) Vitamin D deficiency, supplementation and testing: have we got it right in New Zealand? New Zealand Medical Journal, 134 (1541), 86-95.

Bolland MJ, Avenell A, Smith K, Witham MD, Grey A. (2021) Vitamin D supplementation and testing in the UK: costly but ineffective? BMJ, 372:n484.

Bolland MJ, Gamble GD, Avenell A, Cooper DJ, Grey A. (2021) Participant withdrawals were unusually distributed in randomized trials with integrity concerns: a statistical investigation. J Clin Epidemiol, 131, 22-29.

Bolland MJ, Gamble GD, Avenell A, Grey A. (2021) Identical summary statistics were uncommon in randomized trials and cohort studies. J Clin Epidemiol, 136, 180-188.

Bolland MJ, Grey A. (2021) Decreased thyroid FNA but increased ultrasound: Is the trade-off worthwhile? Clin Endocrinol (Oxf), doi: 10.1111/cen.14471.

Bolland MJ, Grey A, Avenell A, Klein AA. (2021) Correcting the scientific record - A broken system? Account Res, 28 (5), 265-279.

Boo M, Eva L, Kellow M, Scurry J. (2021) Vulval squamous cell carcinoma arising from hidradenitis suppurrativa. BMJ Case Rep, 14 (6), e241075.

Boone MA, Taslim C, Crow JC, Selich-Anderson J, Watson M, Heppner P, Hamill J, Wood AC, Lessnick SL, Winstanley M. (2021) Identification of a Novel FUS/ETV4 Fusion and Comparative Analysis with Other Ewing Sarcoma Fusion Proteins. Mol Cancer Res, 19 (11), 1795-1801.

Bournazos AM, Riley LG, Bommireddipalli S, Ades L, Akesson LS, Al-Shinnag M, (...)„ Yap P, Yeung A, Young H, Jones KJ, Bennetts B, Cooper ST; Australasian Consortium for RNA Diagnostics. (2021) Standardized practices for RNA diagnostics using clinically accessible specimens reclassifies 75% of putative splicing

variants. Genet Med, S1098-3600(21)04128-9.

Bressan S, Eapen N, Phillips N, Gilhotra Y, Kochar A, Dalton S, Cheek JA, Furyk J, Neutze J, Williams A, Hearps S, Donath S, Oakley E, Singh S, Dalziel SR, Borland ML, Babl FE; Paediatric Research in Emergency Departments International Collaborative (PREDICT). (2021) PECARN algorithms for minor head trauma: Risk stratification estimates from a prospective PREDICT cohort study. Acad Emerg Med, 28 (10), 1124-1133.

Bressan S, Klassen TP, Dalziel SR, Babl FE, Benito J, Chamberlain J, Chang TP, Freedman SB, Kohn Loncarica G, Lyttle MD, Mintegi S, Mistry RD, Nigrovic LE, Plint AC, Rino P, Roland D, Van De Mosselaer G, Oostenbrink R, Kuppermann N. (2021) The Pediatric Emergency Research Network: a decade old and growing. European Journal of Emergency Medicine, 28 (5), 341-343.

Brewer N, Bartholomew K, Grant J, Maxwell A, McPherson G, Wihongi H, Bromhead C, Scott N, Crengle S, Foliaki S, Cunningham C, Douwes J, Potter JD. (2021) Acceptability of human papillomavirus (HPV) self-sampling among never- and under-screened Indigenous and other minority women: a randomised three-arm community trial in Aotearoa New Zealand. Lancet Reg Health West Pac, 16, 100265.

Briggs S, Broom M, Duffy E, Everts R, Everts G, Lowe B, McBride S, Bhally H. (2021) Outpatient continuous-infusion benzylpenicillin combined with either gentamicin or ceftriaxone for enterococcal endocarditis. J Antimicrob Chemother, 76 (8), 2168-2171.

Bristow SM, Bolland MJ, Gamble GD, Leung W, Reid IR. (2021) Dietary calcium intake and change in bone mineral density in older adults: a systematic review of longitudinal cohort studies. Eur J Clin Nutr, doi: 10.1038/s41430-021-00957-8.

Bromhead C, Wihongi H, Sherman SM, Crengle S, Grant J, Martin G, Maxwell A, McPherson G, Puloka ', Reid S, Scott N, Bartholomew K. (2021) Human Papillomavirus (HPV) Self-Sampling among Never-and Under-Screened Indigenous Māori, Pacific and Asian Women in Aotearoa New Zealand: A Feasibility Study. Int J Environ Res Public Health, 18 (19), 10050.

Brunet T, McWalter K, Mayerhanser K, Anbouba GM, Armstrong-Javors A, Bader I, Baugh E, Begtrup A, Bupp CP, Callewaert BL, Cereda A, Cousin MA, Del Rey Jimenez JC, Demmer L, Dsouza NR, Fleischer N, Gavrilova RH, Ghate S, Graf E, Green A, Green SR, Iascone M, Kdissa A, Klee D, Klee EW, Lancaster E, Lindstrom K, Mayr JA, McEntagart M, Meeks NJL, Mittag D, Moore H, Olsen AK, Ortiz D, Parsons G, Pena LDM, Person RE, Punj S, Ramos-Rivera GA, Sacoto MJG, Bradley Schaefer G, Schnur RE, Scott TM, Scott DA, Serbinski CR, Shashi V, Siu VM, Stadheim BF, Sullivan JA, Švantnerová J, Velsher L, Wargowski DS, Wentzensen IM, Wieczorek D, Winkelmann J, Yap P, Zech M, Zimmermann MT, Meitinger T, Distelmaier F, Wagner M. (2021) Defining the genotypic and phenotypic spectrum of X-linked MSL3-related disorder. Genet Med, 23 (2), 384-395.

Boyd M, Calvert C, Tatton A, Wu Z, Bloomfield K, Broad JB, Hikaka J, Higgins AM, Connolly MJ. (2021) Lonely in a crowd: loneliness in New Zealand retirement village residents. Int Psychogeriatr, 33 (5), 481-493.

Bromhead C, Wihongi H, Sherman SM, Crengle S, Grant J, Martin G, Maxwell A, McPherson G, Puloka ', Reid S, Scott N, Bartholomew K. (2021) Human Papillomavirus (HPV) Self-Sampling among Never-and Under-Screened Indigenous Māori, Pacific and Asian Women in Aotearoa New Zealand: A Feasibility Study. Int J Environ Res Public Health, 18 (19), 10050.

Bryce AN, Doocey R, Handy R. (2021) Staphylococcus haemolyticus meningitis and bacteremia in an allogenic stem cell transplant patient. IDCases, 26, e01259.

Buckels EJ, Bloomfield FH, Oliver MH, Spiroski AM, Harding JE, Jaquiery AL. (2021) Sexually dimorphic changes in the endocrine pancreas and skeletal muscle in young adulthood following intra-amniotic IGF-I treatment of growth-restricted fetal sheep. Am J Physiol Endocrinol Metab, 321 (4), E530-E542.

Burden HJ, Adams S, Kulatea B, Wright-McNaughton M, Sword D, Ormsbee JJ, Watene-O'Sullivan C, Merriman TR, Knopp JL, Chase JG, Krebs JD, Hall RM, Plank LD, Murphy R, Shepherd PR, Merry TL. (2021) The CREBRF diabetes-protective rs373863828-A allele is associated with enhanced early insulin release in men of Māori and Pacific ancestry. Diabetologia, 64 (12), 2779-2789.

Burness C, Corbet C, Beyene K, Webby C, Nankivell C, Cabasag P, Hari K, Fraser A, Gray S, Harrison J, Chan AHY. (2021) Factors predicting high-dose and combined antipsychotic prescribing in New Zealand: High-dose antipsychotic prescribing. Psychiatry Res, 302, 113996.

Bush A, Dalziel SR, Byrnes CA, Hatter L, Beasley R. (2021) Has the time come to end use of the blue inhaler? Lancet Respiratory Medicine, 9 (6), e51.

Butler ÉM, Fangupo LJ, Cutfield WS, Taylor RW. (2021) Systematic review of randomised controlled trials to improve dietary intake for the prevention of obesity in infants aged 0-24 months. Obes Rev, 22 (2), e13110.

Butler ÉM, Pillai A, Morton SMB, Seers BM, Walker CG, Ly K, Tautolo ES, Glover M, Taylor RW, Cutfield WS, Derraik JGB; COPABS Collaborators. (2021) A prediction model for childhood obesity in New Zealand. Sci Rep, 11 (1), 6380.

Butler ÉM, Reynolds AJ, Derraik JGB, Wilson BC, Cutfield WS, Grigg CP. (2021) The views of pregnant women in New Zealand on vaginal seeding: a mixed-methods study. BMC Pregnancy Childbirth, 21 (1), 49.

Cai K, Fuller A, Zhang Y, Hensey O, Grossberg D, Christensen R, Shea B, Singh JA, McCarthy GM, Rosenthal AK, Filippou G, Taylor WJ, Diaz-Torne C, Stamp LK, Edwards NL, Pascart T, Becce F, Nielsen SM, Tugwell P, Beaton D, Abhishek A, Tedeschi SK, Dalbeth N. (2021) Towards development of core domain sets for short term and long term studies of calcium pyrophosphate crystal deposition (CPPD) disease: A framework paper by the OMERACT CPPD working group. Semin Arthritis Rheum, 51 (4), 946-950.

Caldwell J, McGuinness B, Lee SS, Barber PA, Holden A, Wu T, Krauss M, Laing A, Collecutt W, Liebeskind DS, Hetts SW, Brew S. (2021) Aspiration thrombectomy using a novel 088 catheter and specialized delivery catheter. J Neurointerv Surg, Dec 14;neurintsurg-2021-018318.

Campbell BCV, Ma H, Parsons MW, Churilov L, Yassi N, Kleinig TJ, Hsu CY, Dewey HM, Butcher KS, Yan B, Desmond PM, Wijeratne T, Curtze S, Barber PA, De Silva DA, Thijs V, Levi CR, Bladin CF, Sharma G, Bivard A, Donnan GA, Davis SM. (2021) Association of Reperfusion After Thrombolysis With Clinical Outcome Across the 4.5- to 9-Hours and Wake-up Stroke Time Window: A Meta-Analysis of the EXTEND and EPITHET Randomized Clinical Trials. JAMA Neurology, 78 (2), 236-240.

Campbell AJ, Al Yazidi LS, Phuong LK, Leung C, Best EJ, Webb RH, Voss L, Athan E, Britton PN, Bryant PA, Butters CT, Carapetis JR, Ching NS, Coombs GW, Daley D, Francis J, Hung TY, Mowlaboccus S, Nourse C, Ojaimi S, Tai A, Vasilunas N, McMullan B, Blyth CC, Bowen AC. (2021) Pediatric Staphylococcus aureus bacteremia: clinical spectrum and predictors of poor outcome. Clin Infect Dis, ciab510. doi: 10.1093/cid/ciab510

Campbell D, Deng C, McBryde F, Billing R, Diprose WK, Short TG, Frampton C, Brew S, Barber PA; MASTERSTROKE Study Group. (2021) Protocol for the MAnagement of Systolic blood pressure during Thrombectomy by Endovascular Route for acute ischemic STROKE randomized clinical trial: The MASTERSTROKE trial. Int J Stroke, Nov 22;17474930211059029.

Campbell D, Diprose WK, Deng C, Barber PA. (2021) General Anesthesia Versus Conscious Sedation in Endovascular Thrombectomy for Stroke: A Meta-analysis of 4 Randomized

Controlled Trials. J Neurosurg Anesthesiol, 33 (1), 21-27.

Cañete OM, Purdy SC, Brown CRS, Neeff M, Thorne PR. (2021) Behavioural performance and self-report measures in children with unilateral hearing loss due to congenital aural atresia. Auris Nasus Larynx, 48 (1), 65-74.

Capone CA, Emerson B, Sweberg T, Polikoff L, Turner DA, (...), Nuthall G, (...), Shlomovich M, Nadkarni V, Nishisaki A; National Emergency Airway Registry for Children (NEAR4KIDS) Investigators, Pediatric Acute Lung Injury, Sepsis Investigators (PALISI). (2021) Intubation practice and outcomes among pediatric emergency departments: A report from National Emergency Airway Registry for Children (NEAR4KIDS). Acad Emerg Med, doi: 10.1111/acem.14431.

Carlson R, Battin MR, Bennet L, Gunn AJ. (2021) Fifty-three years of follow-up of an infant with neonatal encephalopathy treated with therapeutic hypothermia. Pediatr Res, 89 (5), 1117-1118.

Castanelli DJ, Weller JM, Molloy E, Bearman M. (2021) How Trainees Come to Trust Supervisors in Workplace-Based Assessment: A Grounded Theory Study. Acad Med, 10.1097/ACM.0000000000004501.

Castanelli DJ, Weller JM, Molloy E, Bearman M. (2021) Trust, power and learning in workplace-based assessment: The trainee perspective. Med Educ, doi: 10.1111/medu.14631.

Cavallaro P, Fearnhead N, Bissett I, Brar M, Cataldo T, Clarke R, Denoya P, Elder AL, Gecse K, Hendren S, Holubar S, Jeganathan N, Myrelid P, Norton BA, Wexner S, Wilson L, Zaghiyan K, Bordeianou L; PROPS Delphi Study Expert Panels. (2021) Patients Undergoing Ileoanal Pouch Surgery Experience a Constellation of Symptoms and Consequences Representing a Unique Syndrome: A Report From the Patient-Reported Outcomes After Pouch Surgery (PROPS) Delphi Consensus Study. Ann Surg, 274 (1), 138-145.

Cave TL, Derraik JGB, Willing EJ, Hofman PL, Anderson YC. (2021) Caregiver perceptions of weight in preschool children, and determinants of engagement in a multidisciplinary intervention service for weight issues. Obes Res Clin Pract, 15 (3), 262-267.

Chaitman BR, Alexander KP, Cyr DD, Berger JS, Reynolds HR, Bangalore S, Boden WE, Lopes RD, Demkow M, Piero Perna G, Riezebos RK, McFalls EO, Banerjee S, Bagai A, Gosselin G, O'Brien SM, Rockhold FW, Waters DD, Thygesen KA, Stone GW, White HD, Maron DJ, Hochman JS; ISCHEMIA Research Group. (2021) Myocardial Infarction in the ISCHEMIA Trial: Impact of Different Definitions on Incidence, Prognosis, and Treatment Comparisons. Circulation, 143 (8), 790-804.

Chan BC, Ip KH. (2021) Illustrating skin thickness with textbook pages to aid suture needle selection. J Am Acad Dermatol, S0190-9622(21)02205-2.

Chan D, Doughty RN, Lund M, Lee M, Poppe K, Kerr AJ. (2021) Prognostic significance of mid-range ejection fraction following acute coronary syndrome (ANZACS-QI 23). New Zealand Medical Journal, 134 (1528), 57-78.

Chan DZL, Kerr AJ, Doughty RN. (2021) Temporal trends in the burden of heart failure. Intern Med J, 51 (8), 1212-1218.

Chan DZL, Kerr A, Grey C, Selak V, Lee MAW, Lund M, Poppe K, Doughty RN. (2021) Contrasting trends in heart failure incidence in younger and older New Zealanders, 2006-2018. Heart, heartjnl-2021-319853.

Chaplin H, McGuinness S, Parke R. (2021) A single-centre study of safety and efficacy of prone positioning for critically ill patients on veno-venous extracorporeal membrane oxygenation. Aust Crit Care, 34 (5), 446-451.

Chappell N, Gerard C, Gyani A, Hamblin R, Jansen RM, Lawrence A, Mackay J, Minko N, Roberts S, Shuker C, Te Karu L, White J. (2021) Using a randomised controlled trial to test the effectiveness of social norms feedback to reduce antibiotic prescribing without increasing inequities. New Zealand Medical Journal, 134 (1544), 13-34.

Chen C, Kolbe J, Christmas T. (2021) Surgical treatment of non-small-cell lung cancer in octogenarians: a single-centre retrospective study. Intern Med J, Apr, 51 (4), 596-599.

Chen TC, Hitchcock MG. (2021) Rate of Immunohistochemistry Utilization in the Diagnosis of Cutaneous Melanocytic Lesions. Am J Dermatopathol, 43 (12), e146-e148.

Chen TY, Hale JDF, Tagg JR, Jain R, Voss AL, Mills N, Best EJ, Stevenson DS, Bird PA, Walls T. (2021) In vitro Inhibition of Clinical Isolates of Otitis Media Pathogens by the Probiotic Streptococcus salivarius BLIS K12. Probiotics Antimicrob Proteins, 13 (3), 734-738.

Chen Y, Lu J, Wickens K, Stanley T, Maude R, Stone P, Barthow C, Crane J, Mitchell EA, Merien F, Murphy R. (2021) Effect of Lactobacillus rhamnosus Probiotic in Early Pregnancy on Plasma Conjugated Bile Acids in a Randomised Controlled Trial. Nutrients, 13 (1), 209.

Chen YT, Zhang T, Chen C, Xia YY, Han TL, Chen XY, He XL, Xu G, Zou Z, Qi HB, Zhang H, Albert BB, Colombo J, Baker PN. (2021) Associations of early pregnancy BMI with adverse pregnancy outcomes and infant neurocognitive development. Sci Rep, 11 (1), 3793.

Cheng HS, Li J, Cheng AM. (2021) Nodule on the hand of a 13-year-old girl. Pediatr Dermatol, 38 (1), 274-275.

Cheng HS, Schurr L. (2021) Teledermatology for suspected skin cancer in New Zealand during the COVID-19 pandemic required in-person follow-up in 28% of cases. JAAD Int, doi: 10.1016/j.jdin.2021.11.003.

Cheng V, Abdul-Aziz MH, Burrows F, Buscher H, Cho YJ, Corley A, Diehl A, Gilder E, Jakob SM, Kim HS, Levkovich BJ, Lim SY, McGuinness S, Parke R, Pellegrino V, Que YA, Reynolds C, Rudham S, Wallis SC, Welch SA, Zacharias D, Fraser JF, Shekar K, Roberts JA; ASAP ECMO Investigators. (2021) Population Pharmacokinetics of Piperacillin and Tazobactam in Critically Ill Patients Receiving Extracorporeal Membrane Oxygenation: an ASAP ECMO Study. Antimicrob Agents Chemother, 65 (11), e0143821.

Chiavaroli V, Derraik JGB, Jayasinghe TN, Rodrigues RO, Biggs JB, Battin M, Hofman PL, O'Sullivan JM, Cutfield WS. (2021) Lower insulin sensitivity remains a feature of children born very preterm. Pediatr Diabetes, 22 (2), 161-167.

Chiavaroli V, Hopkins SA, Biggs JB, Rodrigues RO, Seneviratne SN, Baldi JC, McCowan LME, Cutfield WS, Hofman PL, Derraik JGB. (2021) The associations between maternal BMI and gestational weight gain and health outcomes in offspring at age 1 and 7 years. Sci Rep, 11 (1), 20865.

Chong C, Allen N, Jarvis R, Dai S. (2021) Ten-year review of neuroimaging in acute paediatric strabismus. Clin Exp Ophthalmol, 49 (7), 724-728.

Chong C, Lawrence A, Allbon D. (2021) Addressing equity: a 10-year review of strabismus surgery in 0-19-year-olds in the New Zealand public health system. N Z Med J, 134 (1545), 79-90.

Chong CYL, Vatanen T, Alexander T, Bloomfield FH, O'Sullivan JM. (2021) Factors Associated With the Microbiome in Moderate-Late Preterm Babies: A Cohort Study From the DIAMOND Randomized Controlled Trial. Front Cell Infect Microbiol, 11, 595323.

Christiansen SN, Filippou G, Scirè CA, Balint PV, Bruyn GA, Dalbeth N, (...), Antonietta D'Agostino M, Terslev L; on behalf of the OMERACT Ultrasound working group. (2021) Consensus-based semi-quantitative ultrasound scoring system for gout lesions: Results of an OMERACT Delphi process and web-reliability exercise. Semin Arthritis Rheum, 51 (3), 644-649.

Chung JG, Cheng H, Croxson M, Agnew K, Alsweiler J, Lamb S. (2021) Topical corticosteroid wet wrap treatment and adrenal

suppression: An Auckland perspective. JAAD Int, 5, 66-68.

Clamp AR, Lorusso D, Oza AM, Aghajanian C, Oaknin A, Dean A, Colombo N, Weberpals JI, Scambia G, Leary A, Holloway RW, Amenedo Gancedo M, Fong PC, Goh JC, O'Malley DM, Armstrong DK, Banerjee S, García-Donas J, Swisher EM, Cameron T, Goble S, Coleman RL, Ledermann JA. (2021) Rucaparib maintenance treatment for recurrent ovarian carcinoma: the effects of progression-free interval and prior therapies on efficacy and safety in the randomized phase III trial ARIEL3. Int J Gynecol Cancer, 31 (7), 949-958.

Clark AR, Her EJ, Metcalfe R, Byrnes CA. (2021) Could automated analysis of chest X-rays detect early bronchiectasis in children? European Journal of Pediatrics, 180 (10), 3171-3179

Clark HJ, Fong PCC, Ng KPL. (2021) Clinical and serological resolution of pembrolizumab associated Sjögren's syndrome: long-term follow-up. Rheumatology (Oxford), 61 (1), e22-e24.

Coccolini F, Kluger Y, Moore EE, Maier RV, Coimbra R, Ordoñez C, Ivatury R, Kirkpatrick AW, Biffl W, Sartelli M, Hecker A, Ansaloni L, Leppaniemi A, Reva V, Civil I, Vega F, Chiarugi M, Chichom-Mefire A, Sakakushev B, Peitzman A, Chiara O, Abu-Zidan F, Maegele M, Miccoli M, Chirica M, Khokha V, Sugrue M, Fraga GP, Otomo Y, Baiocchi GL, Catena F; the WSES Trauma Quality Indicators Expert Panel. (2021) Trauma quality indicators: internationally approved core factors for trauma management quality evaluation. World J Emerg Surg, 16 (1), 6.

Cohen EEW, Nabell L, Wong DJ, Day T, Daniels GA, Milhem M, Deva S, Jameson M, Guntinas-Lichius O, Almubarak M, Strother M, Whitman E, Chisamore M, Obiozor C, Bagulho T, Gomez-Romo J, Guiducci C, Janssen R, Gamelin E, Algazi AP. (2021) Intralesional SD-101 in Combination with Pembrolizumab in Anti-PD-1 Treatment-Naïve Head and Neck Squamous Cell Carcinoma: Results from a Multicenter, Phase II Trial. Clin Cancer Res, doi: 10.1158/1078-0432.CCR-21-1411.

Colombo C, Alicandro G, Oliver M, Lewindon PJ, Ramm GA, Ooi CY, Alghisi F, Kashirskaya N, Kondratyeva E, Corti F, Padoan R, Asherova I, Evans H, de Monestrol I, Strandvik B, Lindblad A; CF UDCA study group. (2021) Ursodeoxycholic acid and liver disease associated with cystic fibrosis: A multicenter cohort study. Journal of Cystic Fibrosis, S1569-1993(21)00090-4.

Concannon A, Han DY. (2021) Incidence, severity and clinical manifestations of juvenile dermatomyositis among Maori and Pacific Island compared to European children. Journal of Paediatrics and Child Health, 57 (12), 1881-1885.

Connell LA, Chesworth B, Ackerley S, Smith MC, Stinear CM. (2021) Implementing the PREP2 Algorithm to Predict Upper Limb Recovery Potential After Stroke in Clinical Practice: A Qualitative Study. Phys Ther, 101 (5), pzab040.

Cooper E, Choi PJ, Schweder P, Mee E, Turner C, Faull R, Denny WA, Dragunow M, I-H Park T, Jose J. (2021) Cytoprotective agent troxipide-cyanine dye conjugate with cytotoxic and antiproliferative activity in patient-derived glioblastoma cell lines. Bioorg Med Chem Lett, 50, 128336.

Corcoran TB, Myles PS, Forbes AB, Cheng AC, Bach LA, O'Loughlin E, Leslie K, Chan MTV, Story D, Short TG, Martin C, Coutts P, Ho KM; PADDI Investigators; Australian and New Zealand College of Anaesthetists Clinical Trials Network; Australasian Society for Infectious Diseases Clinical Research Network. (2021) Dexamethasone and Surgical-Site Infection. New England Journal of Medicine, 384 (18), 1731-1741.

Cormack BE, Jiang Y, Harding JE, Crowther CA, Bloomfield FH; ProVIDe Trial Group. (2021) Neonatal Refeeding Syndrome and Clinical Outcome in Extremely Low-Birth-Weight Babies: Secondary Cohort Analysis From the ProVIDe Trial. JPEN J Parenter Enteral Nutr, 45 (1), 65-78.

Cornish EE, Nguyen V, Young S, Fraser-Bell S, Guymer R, Squirrell D, Barthelmes D, Gillies MC. (2021) Neovascular age-related macular degeneration at treatment intervals of 14 weeks or greater. Clin Exp Ophthalmol, 49 (6), 570-578.

Couper JJ, Jones TW, Chee M, Barrett HL, Bergman P, Cameron F, Craig ME, Colman P, Davis EE, Donaghue KC, Fegan PG, Hamblin PS, Holmes-Walker DJ, Jefferies C, Johnson S, Mok MT, King BR, Sinnott R, Ward G, Wheeler BJ, Zimmermann A, Earnest A. (2021) Determinants of Cardiovascular Risk in 7000 Youth With Type 1 Diabetes in the Australasian Diabetes Data Network. Journal of Clinical Endocrinology and Metabolism, 106 (1), 133-142.

Coyer F, Barakat-Johnson M, Campbell J, Palmer J, Parke RL, Hammond NE, Knowles S, Doubrovsky A; George Institute for Global Health and the Australian and New Zealand Intensive Care Society Clinical Trials Group. (2021) Device-related pressure injuries in adult intensive care unit patients: An Australian and New Zealand point prevalence study. Aust Crit Care, 34 (6), 561-568.

Craig SS, Auerbach M, Cheek JA, Babl FE, Oakley E, Nguyen L, Rao A, Dalton S, Lyttle MD, Mintegi S, Nagler J, Mistry RD, Dixon A, Rino P, Kohn Loncarica G, Dalziel SR; Pediatric Emergency Research Networks. (2021) Exposure and Confidence With Critical Nonairway Procedures: A Global Survey of Pediatric Emergency Medicine Physicians. Pediatric Emergency Care, 37 (9), e551-e559.

Craig SS, Dalziel SR, Powell CVE, Graudins A, Babl FE, Lunny C. (2021) Interventions for escalation of therapy for acute exacerbations of asthma in children: An overview of Cochrane reviews. Paediatr Respir Reviews, 38, 63-65.

Craigie A, McGregor R, Whitcombe AL, Carlton L, Harte D, Sutherland M, Parry M, Smit E, McAuliffe G, Ussher J, Moreland NJ, Jack S, Upton A. (2021) SARS-CoV-2 antibodies in the Southern Region of New Zealand, 2020. Pathology, 53 (5), 645-651.

Crawford A, Freundlich S, Zhang J, McGhee CNJ. (2021) Iris reconstruction: A perspective on the modern surgical armamentarium. Oman J Ophthalmol, 14 (2), 69-73.

Crocket H, Elbashy MM, Kavanagh T, Styles S, Galland B, Haszard JJ, Wiltshire E, Jefferies C, de Bock MI, Tomlinson P, Jones S, Wheeler BJ. (2021) Parental experiences of short term supported use of a do-it-yourself continuous glucose monitor (DIYrtCGM): A qualitative study. Diabet Med, e14731. doi: 10.1111/dme.14731.

Crocket H, Lewis DM, Burnside M, Faherty A, Wheeler B, Frewen C, Lever C, Jefferies C, Williman J, Sanders O, Wilson R, Paul R, Price S, Jones S, de Bock M. (2021) Learning challenges of healthcare professionals supporting open-source automated insulin delivery. Diabet Med, e14750. doi: 10.1111/dme.14750.

Culliford-Semmens N, Tilton E, Wilson N, Stirling J, Doughty R, Gentles T, Peat B, Dimalapang E, Webb R. (2021) Echocardiography for latent rheumatic heart disease in first degree relatives of children with acute rheumatic fever: Implications for active case finding in family members. EClinicalMedicine, 37, 100935.

Cumin D, Baker PA, Anderson BJ. (2021) Incidence of post-induction hypoxemia in children and the effect of induction gas composition. Paediatr Anaesth, 31 (7), 763-769.

Cutfield T, Mowlem L, Paynter J, Christmas T, Harrison A, Lewis C, Newton S, Nisbet M. (2021) Treatment and outcomes of Multidrug-resistant tuberculosis in Auckland 1995-2018. Intern Med J, doi: 10.1111/imj.15341

Cutfield W, Ayyavoo A. (2021) The Auxological and Metabolic Consequences for Children Born Small for Gestational Age. Indian J Pediatr, 88 (12), 1235-1240.

Dabbour AH, Tan S, Kim SH, Guild SJ, Heppner P, McCormick D, Wright BE, Leung D, Gallichan R, Budgett D, Malpas SC. (2021) The Safety of Micro-Implants for the Brain. Front Neurosci, 15, 796203.

Daems JJN, Attard C, Van Den Helm S, Breur J, D'Udekem Y, du Plessis K, Wilson TG, Winlaw D, Gentles TL, Monagle P, Ignjatovic V. (2021) Cross-sectional assessment of haemostatic profile and hepatic dysfunction in Fontan patients. Open Heart, 8 (1), e001460.

Dalbeth N, Doyle AJ, Billington K, Gamble GD, Tan P, Latto K, Parshu Ram T, Narang R, Murdoch R, Bursill D, Mihov B, Stamp LK, Horne A. (2021) Intensive serum urate lowering with oral urate-lowering therapy for erosive gout: A randomized double-blind controlled trial. Arthritis Rheumatol, doi: 10.1002/art.42055.

Dalbeth N, Stamp LK, Taylor WJ. (2021) What is remission in gout and how should we measure it? Rheumatology (Oxford), 60 (3), 1007-1009.

Damhuis SE, Bloomfield FH, Khalil A, Daly M, Ganzevoort W, Gordijn SJ. (2021) A Core Outcome Set and minimum reporting set for intervention studies in growth restriction in the NEwbOrN: the COSNEON study. Pediatr Res, 89 (6), 1380-1385.

Dandoy CE, Davies SM, Woo Ahn K, He Y, Kolb AE, Levine J, Bo-Subait S, Abdel-Azim H, Bhatt N, Chewning J, Gadalla S, Gloude N, Hayashi R, Lalefar NR, Law J, MacMillan M, O'Brien T, Prestidge T, Sharma A, Shaw P, Winestone L, Eapen M. (2021) Comparison of total body irradiation versus non-total body irradiation containing regimens for de novo acute myeloid leukemia in children. Haematologica,106 (7), 1839-1845.

Dargaville PA, Kamlin COF, Orsini F, Wang X, De Paoli AG, Kanmaz Kutman HG, Cetinkaya M, Kornhauser-Cerar L, Derrick M, Özkan H, Hulzebos CV, Schmölzer GM, Aiyappan A, Lemyre B, Kuo S, Rajadurai VS, O'Shea J, Biniwale M, Ramanathan R, Kushnir A, Bader D, Thomas MR, Chakraborty M, Buksh MJ, Bhatia R, Sullivan CL, Shinwell ES, Dyson A, Barker DP, Kugelman A, Donovan TJ, Tauscher MK, Murthy V, Ali SKM, Yossuck P, Clark HW, Soll RF, Carlin JB, Davis PG; OPTIMIST-A Trial Investigators. (2021) Effect of Minimally Invasive Surfactant Therapy vs Sham Treatment on Death or Bronchopulmonary Dysplasia in Preterm Infants With Respiratory Distress Syndrome: The OPTIMIST-A Randomized Clinical Trial. JAMA, 326 (24), 2478-2487.

Davidson N, Doig F, Dimpalapang E, Stirling J, Gentles T, Wilson N, Artrip J, Finucane K. (2021) Safe Decompression of the Right Ventricle for PAIVS in Neonates With Coronary Fistulae: Including the Selective Use of Fistula Ligation to Avoid Coronary Steal. World J Pediatr Congenit Heart Surg, 12 (2), 185-194.

Davie G, Lilley R, de Graaf B, Ameratunga S, Dicker B, Civil I, Reid P, Branas C, Kool B. (2021) Access to specialist hospital care and injury survivability: identifying opportunities through an observational study of prehospital trauma fatalities. Injury, 52 (10), 2863-2870.

Davie G, Lilley R, de Graaf B, Dicker B, Branas C, Ameratunga S, Civil I, Reid P, Kool B. (2021) Access to advanced-level hospital care: differences in prehospital times calculated using incident locations compared with patients' usual residence. Inj Prev, injuryprev-2021-044351.

de Alwis N, Beard S, Binder NK, Pritchard N, Kaitu'u-Lino TJ, Walker SP, Stock O, Groom K, Petersen S, Henry A, Said JM, Seeho S, Kane SC, Hui L, Tong S, Hannan NJ. (2021) DAAM2 is elevated in the circulation and placenta in pregnancies complicated by fetal growth restriction and is regulated by hypoxia. Sci Rep, 11 (1), 5540.

de Alwis N, Beard S, Binder NK, Pritchard N, Kaitu'u-Lino TJ, Walker SP, Stock O, Groom KM, Petersen S, Henry A, Said JM, Seeho S, Kane SC, Tong S, Hannan NJ. (2021) LOX-1 expression is reduced in placenta from pregnancies complicated by preeclampsia and in hypoxic cytotrophoblast. Pregnancy Hypertens, 25, 255-261.

de Alwis N, Beard S, Binder NK, Pritchard N, Kaitu'u-Lino TJ, Walker SP, Stock O, **Groom KM**, Petersen S, Henry A, Said JM, Seeho S, Kane SC, Tong S, Hannan NJ. (2021) NR4A2 expression is not altered in placentas from cases of growth restriction or preeclampsia, but is reduced in hypoxic cytotrophoblast. Sci Rep, 11 (1), 20670

de Hora MR, Heather NL, Patel T, Bresnahan LG, Webster D, Hofman PL. (2021) Implementing steroid profiling by liquid chromatography-tandem mass spectrometry improves newborn screening for congenital adrenal hyperplasia in New Zealand. Clin Endocrinol (Oxf), 94 (6), 904-912.

de Hora MR, Heather NL, Webster D, Albert BB, Hofman PL. (2021) Birth Weight- or Gestational Age-adjusted Second-tier LCMSMS Cutoffs Improve Newborn Screening for CAH in New Zealand. Journal of Clinical Endocrinology and Metabolism, 106 (9), e3390-e3399.

Dekker A, Crawford HA, Stott NS. (2021) How Do Complications Within the First 30 days after Spinal Deformity Surgery in Children with Cerebral Palsy Affect Length of Stay? Clin Orthop Relat Res, 479 (2), 366-375.

Dennis M, Burnett A, Hills R, Thomas I, Ariti C, Severinsen MT, Hemmaway C, Greaves P, Clark RE, Copland M, Russell N; National Cancer Research Institute (NCRI) acute myeloid leukaemia (AML) Working Group. (2021) A randomised evaluation of low-dose cytosine arabinoside (ara-C) plus tosedostat versus low-dose ara-C in older patients with acute myeloid leukaemia: results of the LI-1 trial. British Journal of Haematology, 194 (2), 298-308.

Depledge J, McNair P, Ellis R. (2021) Exercises, Tubigrip and taping: can they reduce rectus abdominis diastasis measured three weeks post-partum? Musculoskelet Sci Pract, 53, 102381.

Diaz R, Li QH, Bhatt DL, Bittner VA, Baccara-Dinet MT, Goodman SG, Jukema JW, Kimura T, Parkhomenko A, Pordy R, Reiner Ž, Roe MT, Szarek M, Tse HF, White HD, Zahger D, Zeiher AM, Schwartz GG, Steg PG; ODYSSEY OUTCOMES Committees and Investigators. (2021) Intensity of statin treatment after acute coronary syndrome, residual risk, and its modification by alirocumab: insights from the ODYSSEY OUTCOMES trial. Eur J Prev Cardiol, 28 (1), 33-43.

Dick M, Martin J, Tugnet N. (2021) Management of MDA-5 antibody-positive dermatomyositis with interstitial lung disease-an Auckland case series. Rheumatol Adv Pract, 5 (1), rkab024

Ding PYJ, Webber B, Ormiston J, Webster M. (2021) Proximal to distal Y-stenting for coronary bifurcation lesions using radial access: A modern bifurcation technique. Catheter Cardiovasc Interv, 97 (7), E951-E955.

Diprose WK, Bainbridge L, Frith RW, Anderson NE. (2021) Bilateral Upper Limb Neuropathies After Prone Ventilation for COVID-19 Pneumonia. Neurol Clin Pract, 11 (2), e211-e213.

Diprose WK, Jordan A, Anderson NE. (2021) Autoinflammatory syndromes in neurology: when our first line of defence misbehaves. Pract Neurol, practneurol-2021-003031.

Diprose WK, Wang MTM, Campbell D, Sutcliffe JA, McFetridge A, Chiou D, Lai J, Barber PA. (2021) Intravenous Propofol Versus Volatile Anesthetics For Stroke Endovascular Thrombectomy. Journal of Neurosurgery and Anesthesiology, 33 (1), 39-43

Diprose WK, Wang MTM, Ghate K, Brew S, Caldwell JR, McGuinness B, Barber PA. (2021) Adjunctive Intraarterial Thrombolysis in Endovascular Thrombectomy: A Systematic Review and Meta-analysis. Neurology, 10.1212/WNL.0000000000012112.

Donachie M, Bhat S, Whiley T, MacFater W, Bissett IP, Lill M. (2021) Equity of colonoscopy provision and quality in Māori and New Zealand Europeans: a comparative retrospective study. ANZ J Surg, 91 (7-8), 1575-1581.

Drysdale H, Fawkner-Corbett D, Solomon Z, Cundy O, Loveland J, Perrin J, Lane R, Price N, Anyanwu LC, Wilson S, Lakhoo K. (2021) Bilateral Wilms' tumour: An international comparison of treatments and outcomes. J Pediatr Surg, 56 (9), 1487-1493.

Duerden EG, Thompson B, Poppe T, Alsweiler J, Gamble G, Jiang Y, Leung M, Tottman AC, Wouldes T, Miller SP, Harding JE; PIANO study group. (2021) Early protein intake predicts functional connectivity and neurocognition in preterm born children. Sci Rep, 11 (1), 4085.

Duffy E, Arroll N, Beasley R, Hills T. (2021) Regulatory Action to Protect Access to Hydroxychloroquine for Approved Rheumatic Indications During COVID-19 in New Zealand. Arthritis Rheumatol, 73 (5), 896-897.

Duffy E, Thomas M, Hills T, Ritchie S. (2021) The impacts of New Zealand's COVID-19 epidemic response on community antibiotic use and hospitalisation for pneumonia, peritonsillar abscess and rheumatic fever. Lancet Reg Health West Pac, 12, 100162.

Duffy JMN, Adamson GD, Benson E, Bhattacharya S, Bhattacharya S, Bofill M, Brian K, Collura B, Curtis C, Evers JLH, Farquharson RG, Fincham A, Franik S, Giudice LC, Glanville E, Hickey M, Horne AW, Hull ML, Johnson NP, Jordan V, Khalaf Y, Knijnenburg JML, Legro RS, Lensen S, MacKenzie J, Mavrelos D, Mol BW, Morbeck DE, Nagels H, Ng EHY, Niederberger C, Otter AS, Puscasiu L, Rautakallio-Hokkanen S, Sadler L, Sarris I, Showell M, Stewart J, Strandell A, Strawbridge C, Vail A, van Wely M, Vercoe M, Vuong NL, Wang AY, Wang R, Wilkinson J, Wong K, Wong TY, Farquhar CM; Priority Setting Partnership for Infertility. (2021) Top 10 priorities for future infertility research: an international consensus development study. Fertil Steril, 115 (1), 180-190.

Duffy JMN, AlAhwany H, Bhattacharya S, Collura B, Curtis C, Evers JLH, Farquharson RG, Franik S, Giudice LC, Khalaf Y, Knijnenburg JML, Leeners B, Legro RS, Lensen S, Vazquez-Niebla JC, Mavrelos D, Mol BWJ, Niederberger C, Ng EHY, Otter AS, Puscasiu L, Rautakallio-Hokkanen S, Repping S, Sarris I, Simpson JL, Strandell A, Strawbridge C, Torrance HL, Vail A, van Wely M, Vercoe MA, Vuong NL, Wang AY, Wang R, Wilkinson J, Youssef MA, Farquhar CM; Core Outcome Measure for Infertility Trials (COMMIT) initiative. (2021) Developing a core outcome set for future infertility research: an international consensus development study. Fertil Steril, 115 (1), 191-200.

Duffy JMN, Bhattacharya S, Bhattacharya S, Bofill M, Collura B, Curtis C, Evers JLH, Giudice LC, Farquharson RG, Franik S, Hickey M, Hull ML, Jordan V, Khalaf Y, Legro RS, Lensen S, Mavrelos D, Mol BW, Niederberger C, Ng EHY, Puscasiu L, Repping S, Sarris I, Showell M, Strandell A, Vail A, van Wely M, Vercoe M, Vuong NL, Wang AY, Wang R, Wilkinson J, Youssef MA, Farquhar CM; Core Outcome Measure for Infertility Trials (COMMIT) initiative. (2021) Standardizing definitions and reporting guidelines for the infertility core outcome set: an international consensus development study. Fertil Steril, 115 (1), 201-212.

Duffy M, Garland J, Ondruschka B, Paton JFR, Bardsley EN, Wong CX, Stables S, Tse R. (2021) Stellate ganglionitis in sudden cardiac death: A case report. Auton Neurosci, 234:102837.

Dumble C, Morgan T, Wells CI, Bissett I, O'Grady G. (2021) The impact of transanal tube design for preventing anastomotic leak in anterior resection: a systematic review and meta-analysis. Tech Coloproctol, 25 (1), 59-68.

Duncanson M, Wheeler BJ, Jelleyman T, Dalziel SR, McIntyre P. (2021) Delayed access to care and late presentations in children during the COVID-19 pandemic New Zealand-wide lockdown: A New Zealand Paediatric Surveillance Unit study. Journal of Paediatrics and Child Health, 57 (10), 1600-1604.

Eapen N, Kochar A, Lyttle MD, Phillips N, Cheek JA, Furyk J, Neutze J, Bressan S, Williams A, Hearps S, Oakley E, Dalziel SR, Borland ML, Babl FE; Paediatric Research in Emergency Departments International Collaborative (PREDICT). (2021) Seizure- and syncope-related head injuries in children: A prospective PREDICT cohort study. Emergency Medicine Australasia, 33 (4), 769-771.

Earle NJ, Poppe KK, Rolleston A, Devlin G, Kerr AJ, Legget ME, Doughty RN. (2021) Outcomes for working age patients after first-time acute coronary syndrome - ANZACS-QI 35. Int J Cardiol, 328, 55-58.

Ebrahimi BS, Tawhai MH, Kumar H, Burrowes KS, Hoffman EA, Wilsher ML, Milne D, Clark AR. (2021) A computational model of contributors to pulmonary hypertensive disease: impacts of whole lung and focal disease distributions. 11 (4), 20458940211056527.

Edwards T, Liu G, Hegarty JE, Crowther CA, Alsweiler J, Harding JE. (2021) Oral dextrose gel to prevent hypoglycaemia in at-risk neonates. Cochrane Database Syst Rev, 5 (5), CD012152.

Eggermont AM, Meshcheryakov A, Atkinson V, Blank CU, Mandala M, Long GV, Barrow C, Di Giacomo AM, Fisher R, (...)„ Kicinski M, Suciu S, Robert C. (2021) Crossover and rechallenge with pembrolizumab in recurrent patients from the EORTC 1325-MG/Keynote-054 phase III trial, pembrolizumab versus placebo after complete resection of high-risk stage III melanoma. Eur J Cancer, 158, 156-168.

Elgarten CW, Wood AC, Li Y, Alonzo TA, Brodersen LE, Gerbing RB, Getz KD, Huang YV, Loken M, Meshinchi S, Pollard JA, Sung L, Woods WG, Kolb EA, Gamis AS, Aplenc R. (2021) Outcomes of intensification of induction chemotherapy for children with high-risk acute myeloid leukemia: A report from the Children's Oncology Group. Pediatr Blood Cancer, 68 (12), e29281.

Elliott BM, Bissett IP, Harmston C. (2021) Prehospital barriers for rural New Zealand parents in paediatric appendicitis: a qualitative analysis. ANZ J Surg, 91 (10), 2130-2138.

Elvy J, Walker D, Haremza E, Ryan K, Morris AJ. (2021) Blood culture quality assurance: what Australasian laboratories are measuring and opportunities for improvement. Pathology, 53 (4), 520-529.

Emanuel PO, Patel R, Zwi J, Cheng D, Izzard M. (2021) Utility of teledermatopathology for intraoperative margin assessment of melanoma in situ, lentigo maligna type: A 6 year community practice experience. Eur J Surg Oncol, 47 (5), 1140-1144.

Emde AK, Phipps-Green A, Cadzow M, Gallagher CS, Major TJ, Merriman ME, Topless RK, Takei R, Dalbeth N, Murphy R, Stamp LK, de Zoysa J, Wilcox PL, Fox K, Wasik KA, Merriman TR, Castel SE. (2021) Mid-pass whole genome sequencing enables biomedical genetic studies of diverse populations. BMC Genomics, 22 (1), 666.

Ethier I, Campbell SB, Cho Y, Hawley CM, Isbel NM, Krishnasamy R, Roberts MA, Semple D, Sypek M, Viecelli AK, Johnson DW. (2021) Dialysis initiation in older persons across centres and over time in Australia and New Zealand. Nephrology (Carlton), 26 (7), 613-622.

Ethier I, Cho Y, Davies CE, Hawley CM, Campbell SB, Isbel NM, Pascoe EM, Polkinghorne KR, Roberts M, See EJ, Semple D, van Eps C, Viecelli AK, Johnson DW. (2021) Variability and trends over time and across centres in haemodialysis weekly duration in Australia and New Zealand. Nephrology (Carlton), 26 (2), 153-163.

Ethier I, Cho Y, Hawley C, Pascoe EM, Roberts MA, Semple D, Nadeau-Fredette AC, Wong G, Lim WH, Sypek MP, Viecelli AK, Campbell S, van Eps C, Isbel NM, Johnson DW. (2021) Multicenter registry analysis comparing survival on home hemodialysis and kidney transplant recipients in Australia and New Zealand. Nephrol Dial Transplant, 36 (10), 1937-1946

Ethiraj J, Palpagama TH, Turner C, van der Werf B, Waldvogel HJ, Faull RLM, Kwakowsky A. (2021) The effect of age and sex on the expression of GABA signaling components in the human hippocampus and entorhinal cortex. Sci Rep, 11 (1), 21470.

Evans AM, Thabrew H, Arroll B, Cole N, Drake R. (2021) Audit of Psychosocial and Palliative Care Support for Children Having Allogeneic Stem Cell Transplants at the New Zealand National Allogeneic Transplant Centre. Children (Basel), 8 (5), 356.

Evered LA, Chan MTV, Han R, Chu MHM, Cheng BP, Scott DA, Pryor KO, Sessler DI, Veselis R, Frampton C, Sumner M, Ayeni A, Myles

PS, Campbell D, Leslie K, Short TG. (2021) Anaesthetic depth and delirium after major surgery: a randomised clinical trial. British Journal of Anaesthesia, 127 (5), 704-712.

Farah S, Kwok R, Dean A, Sivakumaran Y, Khoo S, Joret M, Jansen S, Aitken S; Australian and New Zealand Vascular Trials Network (2021) The prescription of best medical therapy following infrainguinal bypass grafting in Australia and New Zealand: a multicentre Australasian audit. ANZ Journal of Surgery, 91 (1-2), 152-157.

Farhadfar N, Dias A, Wang T, Fretham C, Chhabra S, Murthy HS, Broglie L, D'Souza A, Gadalla SM, Gale RP, Hashmi S, Al-Homsi AS, Hildebrandt GC, Hematti P, Rizzieri D, Chee L, Lazarus HM, Bredeson C, Jaimes EA, Beitinjaneh A, Bashey A, Prestidge T, Krem MM, Marks DI, Benoit S, Yared JA, Nishihori T, Olsson RF, Freytes CO, Stadtmauer E, Savani BN, Sorror ML, Ganguly S, Wingard JR, Pasquini M. (2021) Impact of Pretransplantation Renal Dysfunction on Outcomes after Allogeneic Hematopoietic Cell Transplantation. Transplant Cell Ther, 27 (5), 410-422.

Farkas H, Stobiecki M, Peter J, Kinaciyan T, Maurer M, (...), Lindsay K, Panovska VG, Steiner UC, Zubrinich C, Best JM, Cornpropst M, Dix D, Dobo SM, Iocca HA, Desai B, Murray SC, Nagy E, Sheridan WP. (2021) Long-term safety and effectiveness of berotralstat for hereditary angioedema: The open-label APeX-S study. Clin Transl Allergy, 11 (4), e12035.

Fay MJ, Byrnes C, Pillarisetti N, Fox-Lewis A, McSharry B, Blincoe A, Barber C, Sinclair J, Best E. (2021) Invasive multifocal cryptococcal airway disease in a teenager with hypogammaglobulinemia. Pediatr Pulmonol, 56 (12), 4069-4071.

Feng S, Azzollini D, Kim JS, Jin CK, Gordon SP, Yeoh J, Kim E, Han M, Lee A, Patel A, Wu J, Urschler M, Fong A, Simmers C, Tarr GP, Barnard S, Wilson B. (2021) Curation of the CANDID-PTX Dataset with Free-Text Reports. Radiol Artif Intell, 3 (6), e210136.

Fenton TR, Goldberg D, Alshaikh B, Nasser R, Hay WW, Groh-Wargo S, Shah PS, Taylor S, Senterre T, Hoyos A, Embleton N, Rochow N, Bloomfield F. (2021) A holistic approach to infant growth assessment considers clinical, social and genetic factors rather than an assessment of weight at a set timepoint. Journal of Perinatology, 41 (3), 650-651.

Fischer N, Bartlett A. (2021) Surveillance imaging following liver trauma has a low detection rate of liver complications. Injury, 53 (1), 86-91.

Fischer NJ, Civil ID. (2021) Haemorrhagic death from severe liver trauma has decreased in the era of haemostatic resuscitation. ANZ J Surg, doi: 10.1111/ans.17266.

Fitzsimons S, Doughty RN. (2021) Role of transthoracic echocardiogram in acute heart failure. Rev Cardiovasc Med, 22 (3), 741-754.

Fitzsimons S, Yeo TJ, Ling LH, Sim D, Leong KTG, Yeo PSD, Ong HY, Jaufeerally F, Ng TP, Poppe K, Lund M, Devlin G, Troughton R, Lam CSP, Richards AM, Doughty RN. (2021) Impact of change in iron status over time on clinical outcomes in heart failure according to ejection fraction phenotype. ESC Heart Fail, 8 (6), 4572-4583.

Flint SA, Gunn AJ, Hofman PL, Cutfield WS, Han DY, Mouat F, Willis J, Jefferies CA. (2021) Evidence of a plateau in the incidence of type 1 diabetes in children 0-4 years of age from a regional pediatric diabetes center; Auckland, New Zealand: 1977-2019. Pediatr Diabetes, 22 (6), 854-860.

Flood C, Parker EK, Kaul N, Deftereos I, Breik L, Asrani V, Talbot P, Burgell R, Nyulasi I. (2021) A benchmarking study of home enteral nutrition services. Clin Nutr ESPEN, 44, 387-396.

Foley LJ, Urdaneta F, Berkow L, Aziz MF, Baker PA, Jagannathan N, Rosenblatt W, Straker TM, Wong DT, Hagberg CA. (2021) Difficult Airway Management in Adult Coronavirus Disease 2019 Patients: Statement by the Society of Airway Management. Anesth Analg, 133 (4), 876-890.

Forster RF, Smith M, Cooper G, Brokenshire M, Roberts SA, McAuliffe GN. (2021) Demographic and behavioural factors associated with antimicrobial susceptibility to azithromycin and ceftriaxone in Neisseria gonorrhoeae. Int J STD AIDS, 32 (1), 67-74.

Fox-Lewis A, Fox-Lewis S, Beaumont J, Drinković D, Harrower J, Howe K, Jackson C, Rahnama F, Shilton B, Qiao H, Smith KK, Morpeth SC, Taylor S, Blakiston M, Roberts S, McAuliffe G. (2021) SARS-CoV-2 viral load dynamics and real-time RT-PCR cycle threshold interpretation in symptomatic non-hospitalised individuals in New Zealand: a multicentre cross sectional observational study. Pathology, 53 (4), 530-535.

Fox-Lewis A, Fox-Lewis S, Hotu S, Roberts S, McAuliffe G, De Almeida M. (2021) A case of prolonged SARS-CoV-2 viral shedding for 150 days. New Zealand Medical Journal, 134 (1542), 134-136.

Fox-Lewis S, Fox-Lewis A, Harrower J, Chen R, Wang J, de Ligt J, McAuliffe G, Taylor S, Smit E. (2021) Lack of N2-gene amplification on the Cepheid Xpert Xpress SARS-CoV-2 assay and potential novel causative mutations: A case series from Auckland, New Zealand. IDCases, 25:e01233.

Francis A, Prestidge C, Kausman J, Le Page A, Larkins N, McCarthy H; Australian, New Zealand Paediatric Nephrology Association. (2021) Impact of initial steroid response on transplant outcomes in children with steroid-resistant nephrotic syndrome. Pediatr Nephrol, doi: 10.1007/s00467-021-05270-x.

Francisco-Lopez J, Campbell A, Omer A, Stroman L, Bondad J (...), van Rij S, Lam W, Lamb AD. (2021) Local anaesthetic transperineal (LATP) prostate biopsy using a probe-mounted transperineal access system: a multicentre prospective outcome analysis. BJU Int, 128 (3), 311-318.

Fuchs TL, Maclean F, Turchini J, Vargas AC, Bhattarai S, (...), Zwi J, Hes O, Trpkov K, Gill AJ. (2021) Expanding the clinicopathological spectrum of succinate dehydrogenase-deficient renal cell carcinoma with a focus on variant morphologies: a study of 62 new tumors in 59 patients. Mod Pathol. doi: 10.1038/s41379-021-00998-1.

Fuller A, Cai K, Diaz-Torne C, Filippou G, Pascart T, Hensey O, Grossberg D, Christensen R, Shea B, Singh JA, Tedeschi SK, Dalbeth N, Abhishek A. (2021) Outcome domains reported by patients, caregivers, healthcare professionals and stakeholders for calcium pyrophosphate deposition (CPPD): A content analysis based on semi-structured qualitative interviews from the OMERACT CPPD working group. Semin Arthritis Rheum, 51 (3), 650-654.

Fuller A, Cai K, Filippou G, Pascart T, Diaz-Torne C, Hensey O, Grossberg D, Christensen R, Shea B, Singh JA, Tedeschi SK, Dalbeth N, Abhishek A. (2021) Experience and impact of crystal pyrophosphate deposition (CPPD) from a patient and caregiver perspective: A qualitative exploration from the OMERACT CPPD working group. Semin Arthritis Rheum, 51 (3), 655-660.

Funk AL, Florin TA, Dalziel SR, Mintegi S, Salvadori MI, Tancredi DJ, Neuman MI, Payne DC, Plint AC, Klassen TP, Malley R, Ambroggio L, Kim K, Kuppermann N, Freedman SB. (2021) Prospective cohort study of children with suspected SARS-CoV-2 infection presenting to paediatric emergency departments: a Paediatric Emergency Research Networks (PERN) Study Protocol. BMJ Open, 11(1), e042121.

Gabbe BJ, Veitch W, Mather A, Curtis K, Holland AJA, Gomez D, Civil I, Nathens A, Fitzgerald M, Martin K, Teague WJ, Joseph A. (2021) Review of the requirements for effective mass casualty preparedness for trauma systems. A disaster waiting to happen? British Journal of Anaesthesia, S0007-0912(21)00718-2.

Gaffo AL, Saag K, Doyle AJ, Melnick J, Horne A, Foster J, Mudano A, Biggers-Clark S, Redden D, Dalbeth N. (2021) Denosumab did not improve computerized tomography erosion scores when added to intensive urate-lowering therapy in gout: Results from a pilot randomized controlled trial. Semin Arthritis Rheum, 51 (6), 1218-1223.

Galante L, Reynolds CM, Milan AM, Alexander T, Bloomfield FH, Cameron-Smith D, Pundir S, Vickers MH; DIAMOND study group. (2021) Preterm human milk: associations between perinatal factors and hormone concentrations throughout lactation. Pediatr Res, 89 (6), 1461-1469.

Galante L, Reynolds CM, Milan AM, Alexander T, Bloomfield FH, Jiang Y, Asadi S, Muelbert M, Cameron-Smith D, Pundir S, Vickers MH; DIAMOND study team. (2021) Metabolic Hormone Profiles in Breast Milk From Mothers of Moderate-Late Preterm Infants Are Associated With Growth From Birth to 4 Months in a Sex-Specific Manner. Front Nutr, 8, 641227.

Gamage I, Bolland MJ, Sadler L, Dalbeth N, Grey A. (2021) Diversity of invited speakers at endocrinology conferences. Clin Endocrinol (Oxf), doi: 10.1111/cen.14652.

Gane E, de Ledinghen V, Dylla DE, Rizzardini G, Shiffman ML, Barclay ST, Calleja JL, Xue Z, Burroughs M, Gutierrez JA. (2021) Positive predictive value of sustained virologic response 4 weeks posttreatment for achieving sustained virologic response 12 weeks posttreatment in patients receiving glecaprevir/pibrentasvir in Phase 2 and 3 clinical trials. J Viral Hepat, 28 (11), 1635-1642.

Gane EJ, Kim HJ, Visvanathan K, Kim YJ, Nguyen AH, Wallin JJ, Chen DY, McDonald C, Arora P, Tan SK, Gaggar A, Roberts SK, Lim YS. (2021) Safety, Pharmacokinetics, and Pharmacodynamics of the Oral TLR8 Agonist Selgantolimod in Chronic Hepatitis B. Hepatology, 74 (4), 1737-1749.

Gane E, Yuen MF, Kim DJ, Chan HL, Surujbally B, Pavlovic V, Das S, Triyatni M, Kazma R, Grippo JF, Buatois S, Lemenuel-Diot A, Krippendorff BF, Mueller H, Zhang Y, Kim HJ, Leerapun A, Lim TH, Lim YS, Tanwandee T, Kim W, Cheng W, Hu TH, Wat C. (2021) Clinical Study of Single-Stranded Oligonucleotide RO7062931 in Healthy Volunteers and Patients With Chronic Hepatitis B. Hepatology, 74 (4), 1795-1808.

Ganeshalingham A, Beca J. (2021) Serum biomarkers in severe paediatric traumatic brain injury-a narrative review. Transl Pediatr, 10 (10), 2720-2737.

Gao TY, Black JM, Babu RJ, Bobier WR, Chakraborty A, Dai S, Guo CX, Hess RF, Jenkins M, Jiang Y, Kearns LS, Kowal L, Lam CSY, Pang PCK, Parag V, Pieri R, Nallour Raveendren R, South J, Staffieri SE, Wadham A, Walker N, Thompson B. (2021) Adherence to home-based videogame treatment for amblyopia in children and adults. Clin Exp Optom, 104 (7), 773-779.

Gardiner SJ, Duffy EJ, Chambers ST, Thomas MG, Addidle M, Arnold B, Arroll B, Balm MN, Perales CB, Berger S, Best E, Betty B, Birch M, Blackmore TK, Bloomfield M, Briggs S, Bupha-Intr O, Burns A, Campbell C, Chin PK, Dalton SC, Davies N, Douglas NM, Plessis TD, Elvy J, Everts R, Green J, Grimwade K, Handy R, Hardie MG, Henderson E, Holland DJ, Howard J, Hudson B, Huggan P, Isenman H, Issa M, Kelly MJ, Li C, Lim AG, Lim J, Maze M, Metcalf SC, McCall C, Murdoch D, McRae G, Nisbet M, Pithie A, Raymond N, Read K, Restrepo D, Ritchie S, Robertson B, Ussher JE, Voss L, Walls T, Sen Yew H. (2021) Antimicrobial stewardship in human healthcare in Aotearoa New Zealand: urgent call for national leadership and co-ordinated efforts to preserve antimicrobial effectiveness. New Zealand Medical Journal, 134 (1544), 113-128.

Garland J, Hu M, Duffy M, Kesha K, Glenn C, Morrow P, Stables S, Ondruschka B, Da Broi U, Tse RD. (2021) Classifying Microscopic Acute and Old Myocardial Infarction Using Convolutional Neural Networks. Am J Forensic Med Pathol, 42 (3), 230-234.

Garland J, Hu M, Kesha K, Glenn C, Morrow P, Stables S, Ondruschka B, Tse R. (2021) Identifying gross post-mortem organ images using a pre-trained convolutional neural network. J Forensic Sci, 66 (2), 630-635.

Garland J, Kesha K, Glenn C, Stables S, Ondruschka B, Lohner L, Tse R. (2021) Heart Weight Is an Independent Factor Associated With, But Is a Poor Predictor for, Sudden Cardiac Death. Am J Forensic Med Pathol, doi: 10.1097/PAF.0000000000000711.

Garland J, O'Connor K, Hu M, Ondruschka B, Tse R. (2021) Phlegmonous Psoas Muscle Infection Causing Sepsis and Death With Missing Postmortem Computed Tomography Scan Correlation. Am J Forensic Med Pathol, 42 (2), 170-173.

Garland J, Ondruschka B, Da Broi U, Palmiere C, Glenn C, Morrow P, Kesha K, Stables S, Tse R. (2021) Differences Between Central and Peripheral Postmortem Tryptase Levels. Am J Forensic Med Pathol, 42 (2), 125-129.

Garland J, Ondruschka B, Broi UD, Palmiere C, Glenn C, Morrow P, Kesha K, Stables S, Tse R. (2021) Levels of haemolysis have no effect on femoral vein post-mortem tryptase levels. Med Sci Law, 61 (4), 250-255.

Garland J, Ondruschka B, Tse R. (2021) Potential use of deep learning techniques for postmortem imaging-moving beyond postmortem radiology. Forensic Sci Med Pathol, 17 (3), 540-541.

Garland J, Tse R. (2021) Acute necrotising duodenitis. Med Sci Law, 61 (3), 237-238.

Garland J, Tse R. (2021) Lethal phlegmonous duodenitis. Med Sci Law, 58 (4), 263-264.

Garner K, Boggiss A, Jefferies C, Serlachius A. (2021) Digital health interventions for improving mental health outcomes and wellbeing for youth with type 1 diabetes: A systematic review. Pediatric Diabetes, doi: 10.1111/pedi.13304.

Gasteiger C, den Broeder AA, Stewart S, Gasteiger N, Scholz U, Dalbeth N, Petrie KJ. (2021) The mode of delivery and content of communication strategies used in mandatory and non-mandatory biosimilar transitions: a systematic review with meta-analysis. Health Psychol Rev, doi: 10.1080/17437199.2021.1970610.

Gasteiger C, Groom KM, Lobo M, Scholz U, Dalbeth N, Petrie KJ. (2021) Is Three a Crowd? The Influence of Companions on a Patient's Decision to Transition to a Biosimilar. Ann Behav Med, kaab082.

Gasteiger C, Lobo M, Dalbeth N, Petrie KJ. (2021) Patients' beliefs and behaviours are associated with perceptions of safety and concerns in a hypothetical biosimilar switch. Rheumatol Int, 41 (1),

163-171.

Gasteiger C, Scholz U, Petrie KJ, Dalbeth N. (2021) A bio-what? Medical companions' perceptions towards biosimilars and information needs in rheumatology. Rheumatol Int, doi: 10.1007/s00296-021-05037-5.

Gates V, Best E, Roberts S, Swager T, Voss L. (2021) Diagnosis and management of paediatric Clostridioides difficile infection in a tertiary centre: A prospective audit. Journal of Paediatrics and Child Health, 57 (4), 500-506.

Gattini D, Roberts AJ, Wales PW, Beath SV, Evans HM, Hind J, Mercer D, Wong T, Yap J, Belza C, Huysentruyt K, Avitzur Y. (2021) Trends in Pediatric Intestinal Failure: A Multicenter, Multinational Study. Journal of Pediatrics, 237, 16-23, e4.

Gear R, Poke G, Neas K, Finnigan J, Cassidy S, Forsyth D, Blishen M, Purvis D. (2021) Epidemiological, clinical, pathological and genetic characteristics of epidermolysis bullosa in New Zealand. Australas J Dermatol, doi: 10.1111/ajd.13762.

Gee S, Bullmore I, Cheung G, Bergler U, Jamieson H. (2021) It's about who they are and what they can do: Māori perspectives on frailty in later life. N Z Med J, 134 (1535), 17-24.

Gibbons T, Georgiou EX, Cheong YC, Wise MR. (2021) Levonorgestrel-releasing intrauterine device (LNG-IUD) for symptomatic endometriosis following surgery. Cochrane Database Syst Rev, 12 (12), CD005072.

Gibbs NM, Culwick MD, Endlich Y, Merry AF. (2021) A cross-sectional overview of the second 4000 incidents reported to webAIRS, a de-identified web-based anaesthesia incident reporting system in Australia and New Zealand. Anaesth Intensive Care, 49 (6), 422-429.

Gilder E, Jull A, Slark J, Parke RL. (2021) Patient's experiences of endotracheal tubes and suction following cardiac surgery. Nurs Crit Care, doi: 10.1111/nicc.12604.

Gill HK, Niederer RL, Danesh-Meyer HV. (2021) Gender differences in surgical case volume among ophthalmology trainees. Clin Exp Ophthalmol, Sep, 49 (7), 664-671.

Gill H, Niederer RL, Shriver E, Gordon LK, Coleman AL, Danesh-Meyer HV. (2021) An eye on gender equality: A review of the evolving role and representation of women in ophthalmology. American Journal of Ophthalmology, Jul 17, S0002-9394(21)00372-X.

Gillmore JD, Gane E, Taubel J, Kao J, Fontana M, Maitland ML, Seitzer J, O'Connell D, Walsh KR, Wood K, Phillips J, Xu Y, Amaral A, Boyd AP, Cehelsky JE, McKee MD, Schiermeier A, Harari O, Murphy A, Kyratsous CA, Zambrowicz B, Soltys R, Gutstein DE, Leonard J, Sepp-Lorenzino L, Lebwohl D. (2021) CRISPR-Cas9 In Vivo Gene Editing for Transthyretin Amyloidosis. New England Journal of Medicine, 385 (6), 493-502.

Glanville EJ, Wilkinson J, Sadler L, Wong TY, Acharya S, Aziz N, Clarke F, Das S, Dawson J, Hammond B, Jayaprakasan K, Milner M, Shankaralingaiah N, Farquhar C, Lensen S. (2021) A randomized trial of endometrial scratching in women with PCOS undergoing ovulation induction cycles. Reprod Biomed Online, S1472-6483(21)00522-8.

Godfrey KEM, Muthukumaraswamy SD, Stinear CM, Hoeh N. (2021) Effect of rTMS on GABA and glutamate levels in treatment-resistant depression: An MR spectroscopy study. Psychiatry Res Neuroimaging, 317, 111377.

Godfrey KM, Barton SJ, El-Heis S, Kenealy T, Nield H, Baker PN, Chong YS, Cutfield W, Chan SY; NiPPeR Study Group. (2021) Myo-Inositol, Probiotics, and Micronutrient Supplementation From Preconception for Glycemia in Pregnancy: NiPPeR International Multicenter Double-Blind Randomized Controlled Trial. Diabetes Care, 44 (5), 1091-1099.

Gong J, Merry AF, Beyene KA, Campbell D, Frampton C, Jones P, McCall J, Moore M, Chan AHY. (2021) Persistent opioid use and opioid-related harm after hospital admissions for surgery and trauma in New Zealand: a population-based cohort study. BMJ Open, 11 (1), e044493.

Gonzalez-Urdiales P, Kuppermann N, Dalziel SR, Prego J, Benito J, Mintegi S. (2021) Pediatric Intentional Self-poisoning Evaluated in the Emergency Department: An International Study. Pediatric Emergency Care, 37 (12), e1631-e1636

Gonzenbach TP, McGuinness SP, Parke RL, Merz TM. (2021) Impact of Nonpharmaceutical Interventions on ICU Admissions During Lockdown for Coronavirus Disease 2019 in New Zealand-A Retrospective Cohort Study. Critical Care Medicine, 49 (10), 1749-1756.

Goulding EA, Morreau P, De Silva M, Watson M, van Vliet C, Leung B, Eva LJ. (2021) Case report: NTRK1-rearranged cervical sarcoma with fibrosarcoma like morphology presenting in a 13-year-old managed with a neo-adjuvant TRK-inhibitor and surgical excision. Gynecol Oncol Rep, 37, 100845.

Grant CC, Huang QS, Trenholme A, Taylor S, Wood T. (2021) What can we learn from our 2021 respiratory syncytial virus experience? N Z Med J, 134 (1540), 7-12.

Grey A, Avenell A, Bolland M. (2021) Timeliness and content of retraction notices for publications by a single research group. Account Res, doi: 10.1080/08989621.2021.1920409.

Grey A, Bolland MJ, Horne A, Mihov B, Gamble G, Reid IR. (2021) Bone Mineral Density and Bone Turnover 10 Years After a Single 5 mg Dose or Two 5-Yearly Lower Doses of Zoledronate in Osteopenic Older Women: An Open-Label Extension of a Randomized Controlled Trial. J Bone Miner Res, doi: 10.1002/jbmr.4453.

Grey A, Portch R, Gaby A, Grey H, Bolland M. (2021) Clinical trial registry documents and publication integrity. Account Res, 28 (3), 149-161.

Griffith R, Hegarty JE, Alsweiler JM, Gamble GD, May R, McKinlay CJD, Thompson B, Wouldes TA, Harding JE. (2021) Two-year outcomes after dextrose gel prophylaxis for neonatal hypoglycaemia. Arch Dis Child Fetal Neonatal Ed, 106 (3), 278-285.

Ground M, Waqanivavalagi S, Walker R, Milsom P, Cornish J. (2021) Models of immunogenicity in preclinical assessment of tissue engineered heart valves. Acta Biomater, 133, 102-113.

Gurney JK, McLeod MA, Campbell D, Dennett E, Jackson S, Koea J, Lash N, Ongley D. (2021) Anaesthetic choice for hip or knee arthroplasty in New Zealand: Risk of postoperative death and variations in use. Anaesth Intensive Care, 310057X211050934.

Gurney J, McLeod M, Stanley J, Sarfati D, Campbell D, Davies C, Dennett E, Himona P, Jackson S, Ongley D, Robson B, Rumball-Smith J, Signal V, Stairmand J, Thomas C, Koea J. (2021) Disparities in post-operative mortality between Māori and non-Indigenous ethnic groups in New Zealand. New Zealand Medical Journal, 134 (1542), 15-28.

Hall A, de Lore D, Giola M, Edmonds T, Best E, Webb R. (2021) A case of congenital syphilis: the alarming and inequitable rise in congenital syphilis in Aotearoa and a call to action. New Zealand Medical Journal, 134 (1544), 169-174.

Hallett N, Duxbury J, McKee T, Harrison N, Haines A, Craig E, O'Brien AJ. (2021) Taser use on individuals experiencing mental distress: An integrative literature review. J Psychiatr Ment Health Nurs, 28 (1), 56-71.

Hamill JK, Ramson DM, Davies-Payne D, Sawyer MC, Evans S. (2021) Blunt abdominal aortic injury in children associated with lap belts. ANZ J Surg, 91 (6), E401-E402.

Han JV, McGhee CNJ. (2021) New Zealand Cataract Risk Stratification system confirms reduction in intraoperative complication rates in phacoemulsification for all grades of surgeon. Clin Exp Ophthalmol, 49 (1), 86-87.

Han LS, Keillor RB, Weatherhead RG. (2021) Case series of shrinking hydroxyapatite orbital implants. Br J Ophthalmol, 105 (10), 1338-1340.

Han SM, Derraik JGB, Binia A, Sprenger N, Vickers MH, Cutfield WS. (2021) Maternal and Infant Factors Influencing Human Milk Oligosaccharide Composition: Beyond Maternal Genetics. J Nutr, 151 (6), 1383-1393.

Harding JE, Hegarty JE, Crowther CA, Edlin RP, Gamble GD, Alsweiler JM; hPOD Study Group. (2021) Evaluation of oral dextrose gel for prevention of neonatal hypoglycemia (hPOD): A multicenter, double-blind randomized controlled trial. PLoS Med, 18 (1), e1003411.

Haskell L, Oakley E, Dalziel SR. (2021) A Trial of Albuterol Should Still be Considered for Children with Severe Bronchiolitis-Reply. JAMA Pediatrics, 175 (11), 1183-1184.

Haskell L, Tavender EJ, O'Brien S, Wilson CL, Babl FE, Borland ML, Schembri R, Orsini F, Cotterell E, Sheridan N, Oakley E, Dalziel SR; Paediatric Research in Emergency Departments International Collaborative (PREDICT) network, Australasia. (2021) Process evaluation of a cluster randomised controlled trial to improve bronchiolitis management - a PREDICT mixed-methods study. BMC Health Services Research, 21 (1), 1282.

Haskell L, Tavender EJ, O'Brien S, Wilson CL, Borland ML, Cotterell E, Babl FE, Zannino D, Sheridan N, Oakley E, Dalziel SR. (2021) Can targeted interventions change the factors influencing variation in management of infants with bronchiolitis? A survey of Australian and New Zealand clinicians: A paediatric research in emergency departments international collaborative (PREDICT) study. Journal of Paediatrics and Child Health, doi: 10.1111/jpc.15710.

Haskell L, Tavender EJ, Wilson CL, O'Brien S, Babl FE, Borland ML, Cotterell E, Schembri R, Orsini F, Sheridan N, Johnson DW, Oakley E, Dalziel SR; PREDICT Network. (2021) Effectiveness of Targeted Interventions on Treatment of Infants With Bronchiolitis: A Randomized Clinical Trial. JAMA Pediatrics, 175 (8), 797-806.

Haskell L, Tavender EJ, Wilson CL, O'Brien S, Babl FE, Borland ML, Cotterell E, Sheridan N, Oakley E, Dalziel SR; Paediatric Research in Emergency Departments International Collaborative (PREDICT) network, Australasia. (2021) Development of targeted, theory-informed interventions to improve bronchiolitis management. BMC Health Services Research, 21 (1), 769.

Hatter L, Bruce P, Holliday M, Anderson AJ, Braithwaite I, Corin A, Eathorne A, Grimes A, Harwood M, Hills T, Kearns C, Kerse K, Martindale J, Montgomery B, Riggs L, Sheahan D, Shortt N, Zazulia K, Weatherall M, McNamara D, Byrnes CA, Bush A, Dalziel SR, Beasley R. (2021) The Children's Anti-inflammatory Reliever (CARE) study: a protocol for a randomised controlled trial of budesonide-formoterol as sole reliever therapy in children with mild asthma. ERJ Open Research, 7 (4), 00271-2021.

Hatter L, Eathorne A, Hills T, Bruce P, Beasley R. (2021) Respiratory syncytial virus: paying the immunity debt with interest. Lancet Child Adolesc Health, 5 (12), e44-e45.

Hayat A, Collins J, Saweirs W. (2021) Study of early complications associated with peritoneal dialysis catheters: an analysis of the New Zealand Peritoneal Dialysis Registry data. Int Urol Nephrol, 53 (8), 1705-1711.

Hazaert R, Wilson N, Rice K. (2021) Case report: echocardiographic detection of rare single coronary artery anomaly in a child with an atrial septal defect. Eur Heart J Case Rep, 5 (7), ytab283.

Heather AK, Thorpe H, Ogilvie M, Sims ST, Beable S, Milsom S, Schofield KL, Coleman L, Hamilton B. (2021) Biological and Socio-Cultural Factors Have the Potential to Influence the Health and Performance of Elite Female Athletes: A Cross Sectional Survey of 219 Elite Female Athletes in Aotearoa New Zealand. Front Sports Act Living, 3, 601420.

Heather NL, Nordenstrom A. (2021) Newborn Screening for CAH-Challenges and Opportunities. Int J Neonatal Screen, 7 (1), 11.

Hegarty JE, Alsweiler JM, Gamble GG, Crowther CA, Harding JE. (2021) Effect of Prophylactic Dextrose Gel on Continuous Measures of Neonatal Glycemia: Secondary Analysis of the Pre-hPOD Trial. Journal of Pediatrics, J Pediatr, 235, 107-115.e4.

Heijkoop B, Galiabovitch E, York N, Webb D. (2021) Consensus of multiple national guidelines: agreed strategies for initial stone management during COVID-19. World J Urol, 39 (9), 3161-3174.

Heindl LM, Trester M, Guo Y, Zwiener F, Sadat N, Pine NS, Pine KR, Traweger A, Rokohl AC. (2021) Anxiety and depression in patients wearing prosthetic eyes. Graefes Arch Clin Exp Ophthalmol, 259 (2), 495-503.

Helsby N, Burns K, Findlay M, Porter D, Strother M. (2021) Testing for dihydropyrimidine dehydrogenase deficiency in New Zealand to improve the safe use of 5-fluorouracil and capecitabine in cancer patients. N Z Med J, 134 (1545), 120-128.

Hennessy LD, De Lange M, Wiltshire EJ, Jefferies C, Wheeler BJ. (2021) Youth and non-European ethnicity are associated with increased loss of publicly funded insulin pump access in New Zealand people with type 1 diabetes. Diabet Med, 38 (1), e14450.

Henry A, Rajasekaran V, Evans HM, Strauss M, Patel R, Greenslade M, Roberts AJ, Yap P. (2021) An Atypical Case of Very Early-onset Familial Adenomatous Polyposis Associated With Focal Cortical Dysplasia. J Pediatr Hematol Oncol, doi: 10.1097/MPH.0000000000002256.

Henry L, Boue A, Janssen G, Bartlett A. (2021) Delayed caecal perforation from amoebic dysentery. ANZ J Surg, doi: 10.1111/ans.17309.

Herd GCE, Musaad SMA. (2021) Point-of-Care Testing in Rural and Remote Settings to Improve Access and Improve Outcomes: A Snapshot of the New Zealand Experience. Arch Pathol Lab Med, 145 (3), 327-335.

Heynemann S, Yu H, Churilov L, Rivalland G, Asadi K, Mosher R, Hirsch F, Rivard C, Mitchell P. (2021) NaPi2b expression in a large surgical Non-Small Cell Lung Cancer (NSCLC) cohort. Clin Lung Cancer, S1525-7304(21)00281-3.

Hill S, Mullins P, Murphy R, Schmiedel O, Vaghefi E, Ramke J, Squirrell D. (2021) Risk Factors for Progression to Referable Diabetic Eye Disease in People With Diabetes Mellitus in Auckland, New Zealand: A 12-Year Retrospective Cohort Analysis. Asia Pac J Ophthalmol (Phila), 10 (6), 579-589

Hills T, Hatter L, Kearns N, Bruce P, Beasley R. (2021) COVID-19 border controls prevent a 2021 seasonal influenza epidemic in New Zealand. Public Health, 200, e6-e7.

Hills T, Ritchie S, Thomas M, Duffy E. (2021) Non-pharmaceutical interventions targeting COVID-19 were associated with large reductions in community antibiotic dispensing but no increase in severe morbidity from severe common bacterial infections. New Zealand Medical Journal, 134 (1544), 179-182.

Ho CY, Lee M, El-Jack S, Barr P, Simmonds M, Devlin G, Adamson PD, Williams M, Kerr AJ. (2021) How common are non-acute coronary syndrome (ACS) diagnoses in patients with suspected ACS investigated with coronary angiography in New Zealand? (ANZACS-QI 58). N Z Med J, 134 (1537), 43-55.

Höch A, Özkurtul O, Hammer N, Heinemann A, Tse R, Zwirner J, Henkelmann J, Fakler J, Ondruschka B. (2021) A comparison on the detection accuracy of ante mortem computed tomography vs. autopsy for the diagnosis of pelvic ring injury in legal

medicine. J Forensic Sci, 66 (3), 919-925.

Holdaway M, Wiles J, Kerse N, Wu Z, Moyes S, Connolly MJ, Menzies O, Teh R, Muru-Lanning M, Gott M, Broad JB. (2021) Predictive factors for entry to long-term residential care in octogenarian Māori and non-Māori in New Zealand, LiLACS NZ cohort. BMC Public Health, 21 (1), 34.

Hossain RR, Al-Ani HH, Sims JL, Lindsay K, Niederer RL. (2021) Rates of spondyloarthropathies vary with age and ethnicity in HLAB27 uveitis. Br J Ophthalmol, 105 (10), 1395-1398.

Hou Y, Bai J, Shen X, de Langen O, Li A, Lal S, dos Remedios C, Baddeley D, Ruygrok PN, Soeller C, Crossman DJ. (2021) Nanoscale Organisation of Ryanodine Receptors and Junctophilin-2 in the Failing Human Heart. Frontiers in Physiology, 12, 724372.

Howell J, Majumdar A, Fink MA, Byrne M, McCaughan G, Strasser SI, Crawford M, Hodgkinson P, Stuart KA, Tallis C, Chen J, Wigg A, Jones R, Jaques B, Jeffrey G, Adams L, Wallace MC, Munn S, Gane E, Thompson AJ, Gow P. (2021) Turning the Tide on Hepatitis C Virus-Related Liver Transplantation: The Return on Investment in Hepatitis C Virus Treatment in Australia and New Zealand. Liver Transpl, doi: 10.1002/lt.26329.

Hu MB, Kesha K, Glenn C, Stables S, Tse R. (2021) Hemorrhagic Pseudocyst: A Rare Cerebral Mass Lesion Causing Death. A Case Report and Brief Review of Literature. Am J Forensic Med Pathol, 42 (1), 77-80.

Huang C, Greig D, Cheng H. (2021) Allergic contact dermatitis in healthcare workers. Occup Med (Lond), 71 (6-7), 294-297.

Huang QS, Wood T, Jelley L, Jennings T, Jefferies S, Daniells K, Nesdale A, Dowell T, Turner N, Campbell-Stokes P, Balm M, Dobinson HC, Grant CC, James S, Aminisani N, Ralston J, Gunn W, Bocacao J, Danielewicz J, Moncrieff T, McNeill A, Lopez L, Waite B, Kiedrzynski T, Schrader H, Gray R, Cook K, Currin D, Engelbrecht C, Tapurau W, Emmerton L, Martin M, Baker MG, Taylor S, Trenholme A, Wong C, Lawrence S, McArthur C, Stanley A, Roberts S, Rahnama F, Bennett J, Mansell C, Dilcher M, Werno A, Grant J, van der Linden A, Youngblood B, Thomas PG; NPIsImpactOnFlu Consortium, Webby RJ. (2021) Impact of the COVID-19 nonpharmaceutical interventions on influenza and other respiratory viral infections in New Zealand. Nat Commun, 12 (1), 1001

Hunt M, Herbert S, Wilson M, Ameratunga S. (2021) Kawa haumaru: a mātauranga Māori approach to child safety in Aotearoa New Zealand. N Z Med J, 134 (1543), 123-132.

Immanuel J, Eagleton C, Baker J, Simmons D. (2021) Pregnancy outcomes among multi-ethnic women with different degrees of hyperglycaemia during pregnancy in an urban New Zealand population and their association with postnatal HbA1c uptake. Aust N Z J Obstet Gynaecol, 61 (1), 69-77.

Immanuel J, Flack J, Wong VW, Yuen L, Eagleton C, Graham D, Lagstrom J, Wolmarans L, Martin M, Cheung NW, Padmanabhan S, Rudland V, Ross G, Moses RG, Maple-Brown L, Fulcher I, Chemmanam J, Nolan CJ, Oats JJN, Sweeting A, Simmons D. (2021) The ADIPS Pilot National Diabetes in Pregnancy Benchmarking Programme. Int J Environ Res Public Health, 18 (9), 4899.

Ip KH, Agnew K, Cranshaw I, Ng A, Chandran A. (2021) Impact of a see-and-treat melanoma clinic on patient experience. J Dermatolog Treat, 2021 Apr 1, 1-3.

Ip KH, Chan BCY. (2021) How We Do It: Color-Coded Patient Labels for Enhanced Surgical Instrument Identification During Mohs Micrographic Surgery. Dermatol Surg, 47 (8), 1122-1123.

Ip KH, Chan BCY. (2021) Where Is 12 o'Clock? A Survey of Skin Surgical Specimen Orientation Among Dermatologists. Dermatol Surg, 47 (7), 1009-1010.

Ip KH, Chandran A, Cranshaw I, Ng A, Giles A, Agnew K. (2021) Multidisciplinary Pigmented Lesion Clinic at Auckland District Health Board: impacts on melanoma diagnosis and treatment outcomes. New Zealand Medical Journal, 134 (1530), 30-37

Ip KH, Cheng HS, Oliver FG. (2021) Rupioid Psoriasis. JAMA Dermatol, 157 (7), 859.

Ip KH, McKerrow K. (2021) Itraconazole in the treatment of basal cell carcinoma: A case-based review of the literature. Australas J Dermatol, 62 (3), 394-397.

Jabur GN, Donnelly J, Merry AF, Mitchell SJ. (2021) A prospective observational study of emboli exposure in open versus closed chamber cardiac surgery. Perfusion, 2676591211023897.

Jackson CGCA, Hung T, Segelov E, Barlow P, Prenen H, McLaren B, Hung NA, Clarke K, Chao TY, Dai MS, Yeh HT, Cutler DL, Kramer D, He J, Zhi J, Chan WK, Kwan R, Deva S. (2021) Oral paclitaxel with encequidar compared to intravenous paclitaxel in patients with advanced cancer: A randomised crossover pharmacokinetic study. British Journal of Clinical Pharmacology, 87 (12), 4670-4680.

Jackson K, Littlejohn M, Gane E, Locarnini S. (2021) Molecular Phylogenetics of Hepatitis D Virus in New Zealand and the Implications for Pacific Island Countries. Intervirology, 64 (2), 102-107.

Jagpal A, Rahn EJ, Mudano AS, Dalbeth N, Taylor W, Saag KG, Singh JA, Cavagna L, Uhlig T, Perez-Ruiz F, McCarthy G, Gerritsen M, Stamp L, Vazquez Mellado J, Lin C, Vargas-Santos AB, Louthrenoo W, Neogi T, Chen YH, Castelar-Pinheiro GDR, Gaffo A. (2021) Which factors predict discordance between a patient and physician on a gout flare? Rheumatology (Oxford), 60 (2), 773-779.

Janda M, Robledo KP, Gebski V, Armes JE, Alizart M, Cummings M, Chen C, Leung Y, Sykes P, McNally O, Oehler MK, Walker G, Garrett A, Tang A, Land R, Nicklin JL, Chetty N, Perrin LC, Hoet G, Sowden K, Eva L, Tristram A, Obermair A. (2021) Complete pathological response following levonorgestrel intrauterine device in clinically stage 1 endometrial adenocarcinoma: Results of a randomized clinical trial. Gynecol Oncol, 161 (1), 143-151.

Jansson D, Dieriks VB, Rustenhoven J, Smyth LCD, Scotter E, Aalderink M, Feng S, Johnson R, Schweder P, Mee E, Heppner P, Turner C, Curtis M, Faull R, Dragunow M. (2021) Cardiac glycosides target barrier inflammation of the vasculature, meninges and choroid plexus. Commun Biol, 4 (1), 260.

Jatuworapruk K, Grainger R, Dalbeth N, Lertnawapan R, Hanvivadhanakul P, Towiwat P, Shi L, Taylor WJ. (2021) The GOUT-36 prediction rule for inpatient gout flare in people with comorbid gout: derivation and external validation. Rheumatology (Oxford), keab590.

Jaung R, Nisbet S, Gosselink MP, Di Re A, Keane C, Lin A, Milne T, Su'a B, Rajaratnam S, Ctercteko G, Hsee L, Rowbotham D, Hill A, Bissett I. (2021) Antibiotics Do Not Reduce Length of Hospital Stay for Uncomplicated Diverticulitis in a Pragmatic Double-Blind Randomized Trial. Clin Gastroenterol Hepatol, 19 (3), 503-510.e1.

Jaung R, Varghese C, Lin AY, Paskaranandavadivel N, Du P, Rowbotham D, Dinning P, O'Grady G, Bissett I. (2021) High-Resolution Colonic Manometry Pressure Profiles Are Similar in Asymptomatic Diverticulosis and Controls. Dig Dis Sci, 66 (3), 832-842.

Javidan AP, Hansen K, Higginson I, Jones P, Lang E; IFEM Task Force on Emergency Department Crowding, Access Block. (2021) The International Federation for Emergency Medicine report on emergency department crowding and access block: A brief summary. CJEM, 23 (1), 26-28.

Jayaram L, Vandal AC, Chang C, Lewis C, Tong C, Tuffery C, Bell J, Fergusson W, Jeon G, Milne D, Jones S, Karalus N, Hotu S, Wong

C. (2021) Tiotropium treatment for bronchiectasis: a randomised, placebo-controlled, crossover trial. Eur Respir J, 2102184. doi: 10.1183/13993003.02184-2021

Jee AS, Sheehy R, Hopkins P, Corte TJ, Grainge C, Troy LK, Symons K, Spencer LM, Reynolds PN, Chapman S, de Boer S, Reddy T, Holland AE, Chambers DC, Glaspole IN, Jo HE, Bleasel JF, Wrobel JP, Dowman L, Parker MJS, Wilsher ML, Goh NSL, Moodley Y, Keir GJ. (2021) Diagnosis and management of connective tissue disease-associated interstitial lung disease in Australia and New Zealand: A position statement from the Thoracic Society of Australia and New Zealand. Respirology, 26 (1), 23-51.

Jermy MC, Spence CJT, Kirton R, O'Donnell JF, Kabaliuk N, Gaw S, Hockey H, Jiang Y, Zulkhairi Abidin Z, Dougherty RL, Rowe P, Mahaliyana AS, Gibbs A, Roberts SA. (2021) Assessment of dispersion of airborne particles of oral/nasal fluid by high flow nasal cannula therapy. PLoS One, 16 (2), e0246123.

Ji A, Shaukat A, Takei R, Bixley M, Cadzow M, Topless RK, Major TJ, Phipps-Green A, Merriman ME, Hindmarsh JH, Stamp LK, Dalbeth N, Li C, Merriman TR. (2021) Aotearoa New Zealand Māori and Pacific Population-amplified Gout Risk Variants: CLNK Is a Separate Risk Gene at the SLC2A9 Locus. Journal of Rheumatology, 48 (11), 1736-1744

Jindal AK, Reshef A, Longhurst H; GEHM workgroup (Global Equity in HAE Management). (2021) Mitigating Disparity in Health-care Resources Between Countries for Management of Hereditary Angioedema. Clin Rev Allergy Immunol, 61 (1), 84-97.

Johnston M, Irwin J, Roberts S, Leung A, Andersson HS, Orme G, Deroles-Main J, Bakker S. (2021) Clostridioides difficile Infection in a Rural New Zealand Secondary Care Centre: An Incidence Case-Control Study. Internal Medicine Journal, doi: 10.1111/imj.15220.

Jolly RD, Dittmer KE, Jones BR, Worth AJ, Thompson KG, Johnstone AC, Palmer DN, Van de Water NS, Hemsley KM, Garrick DJ, Winchester BG, Walkley SU. (2021) Animal medical genetics: a historical perspective on more than 50 years of research into genetic disorders of animals at Massey University. N Z Vet J, 69 (5), 255-266.

Jones KM, Anand A, Bright C, O'Grady G, Rodrigues MJ, Ranta A, Roxburgh RH, Theadom A; MD-PREV study group. (2021) Coping in Children and Adolescents with a Genetic Muscle Disorder -Findings from a Population-Based Study. J Neuromuscul Dis, 8 (6), 1069-1078.

Jones P, Faure S, Munro A. (2021) Variation in resources and impact on performance: results of the emergency department benchmarking survey. New Zealand Medical Journal, 134 (1540), 64-72.

Jones PG, Gardener M. (2021) Referral for investigation: a redundant SNOMED-CT chief presenting complaint. New Zealand Medical Journal, 134 (1529), 39-44.

Jones P, Haustead D, Walker K, Honan B, Gangathimmaiah V, Mitchell R, Bissett I, Forero R, Martini E, Mountain D. (2021) Review article: Has the implementation of time-based targets for emergency department length of stay influenced the quality of care for patients? A systematic review of quantitative literature. Emerg Med Australas, doi: 10.1111/1742-6723.13760.

Jones PG, Mountain D, Forero R. (2021) Review article: Emergency department crowding measures associations with quality of care: A systematic review. Emerg Med Australas, 33 (4), 592-600.

Jones PG, van der Werf B. (2021) Emergency department crowding and mortality for patients presenting to emergency departments in New Zealand. Emerg Med Australas, 33 (4), 655-664.

Jones P, Walker K, Bissett I, Gangathimmaiah V, Honan B, Haustead D, Mitchell R, Mountain D. (2021) Should the Australasian College for Emergency Medicine advocate for time-based targets as a quality indicator? A Quality Indicator Critical Appraisal evaluation. Emerg Med Australas, 33 (4), 767-768.

Jowsey T, Deng C, Weller J. (2021) General-purpose thematic analysis: a useful qualitative method for anaesthesia research. BJA Educ, Dec, 21 (12), 472-478.

Jull A, Wadham A, Bullen C, Parag V, Parsons JGM, Laking G, Waters J, Klonizakis M, O'Brien J. (2021) Prescribed exercise regimen versus usual care and hypochlorous acid wound solution versus placebo for treating venous leg ulcers: study protocol for a randomised controlled trial (Factorial4VLU). BMJ Open, 11 (2), e043420.

Kane SC, Groom KM, Crowther CA. (2021) How can obstetricians improve outcomes for infants born extremely preterm? Semin Perinatol, 45 (8), 151477.

Karalus MA, Sullivan TA, Wild CE, Cave TL, O'Sullivan NA, Hofman PL, Edwards EA, Mouat S, Wong W, Anderson YC. (2021) The cost of investigating weight-related comorbidities in children and adolescents in Aotearoa/New Zealand. J Paediatr Child Health, 57 (12), 1942-1948.

Karanges EA, Nangla C, Parker L, Fabbri A, Farquhar C, Bero L. (2021) Pharmaceutical industry payments and assisted reproduction in Australia: a retrospective observational study. BMJ Open, 11 (9), e049710.

Karmpaliotis D, Stoler R, Walsh S, El-Jack S, Potluri S, Moses J, Oldroyd K, Banning A, Webster M, Zaman A, Wu W, Ahmed M, Underwood P, Allocco D. (2021) Safety and efficacy of Everolimus-Eluting bioabsorbable Polymer-Coated stent in patients with long coronary lesions: The EVOLVE 48 study. Catheter Cardiovasc Interv, doi: 10.1002/ccd.29798.

Kaur R, Egli T, Paynter J, Murphy R, Perumal L, Lee A, Harrison A, Christmas T, Lewis C, Nisbet M. (2021) Tuberculosis and Diabetes: increased hospitalisations and mortality associated with renal impairment. Intern Med J, doi: 10.1111/imj.15668.

Kaur R, Kim D, Cutfield R, Booth M, Plank L, Murphy R. (2021) Good Glycemic Outcomes Following Bariatric Surgery Among Patients With Type 2 Diabetes, Obesity, and Low-Titer GAD Antibodies. Diabetes Care, 44 (2), 607-609.

Kawashima H, Soliman O, Wang R, Ono M, Hara H, Gao C, Zeller E, Thakkar A, Tamburino C, Bedogni F, Neumann FJ, Thiele H, Abdel-Wahab M, Morice MC, Webster M, Rosseel L, Mylotte D, Onuma Y, Wijns W, Baumbach A, Serruys PW. (2021) Rationale and design of a randomized clinical trial comparing safety and efficacy of myval transcatheter heart valve versus contemporary transcatheter heart valves in patients with severe symptomatic aortic valve stenosis: The LANDMARK trial. Am Heart J, 232, 23-38.

Kazemzadeh M, Hisey CL, Artuyants A, Blenkiron C, Chamley LW, Zargar-Shoshtari K, Xu W, Broderick NGR. (2021) Space curvature-inspired nanoplasmonic sensor for breast cancer extracellular vesicle fingerprinting and machine learning classification. Biomed Opt Express, 12 (7), 3965-3981.

Keane CR, O'Grady G, Bissett IP, Hayes J, Hulme-Moir M, Eglinton TW, Solomon MJ, Lumley JW, Simes J, Stevenson ARL. (2021) Functional Outcome of Laparoscopic Assisted Resection vs Open Resection of Rectal Cancer: A secondary analysis of the Australasian Laparoscopic Cancer of the Rectum Trial. Dis Colon Rectum, Doi. 10.1097/DCR.0000000000002166.

Keane C, Paskaranandavadivel N, Vather R, Rowbotham D, Arkwright J, Dinning P, Bissett I, O'Grady G. (2021) Altered colonic motility is associated with low anterior resection syndrome. Colorectal Dis, 23 (2), 415-423.

Kearney K, Gold J, Corrigan C, Dhital K, Boshell D, Haydock D, McGiffin D, Wilson M, Collins N, Cordina R, Dwyer N, Feenstra J, Lavender M, Wrobel J, Whitford H, Williams T, Keating D, Whyte

K, McWilliams T, Keogh A, Strange G, Kotlyar E, Anderson J, Lau EM. (2021) Chronic thromboembolic pulmonary hypertension in Australia and New Zealand: An analysis of the PHSANZ registry. Respirology, 26 (12), 1171-1180.

Keighley C, Cooley L, Morris AJ, Ritchie D, Clark JE, Boan P, Worth LJ; Australasian Antifungal Guidelines Steering Committee. (2021) Consensus guidelines for the diagnosis and management of invasive candidiasis in haematology, oncology and intensive care settings, 2021. Intern Med J, 51 Suppl 7:89-117.

Kelly AM, Keijzers G, Klim S, Craig S, Kuan WS, Holdgate A, Graham CA, Jones P, Laribi S. (2021) Epidemiology and outcome of older patients presenting with dyspnoea to emergency departments. Age and Aging, 50 (1), 252-257.

Kelly AM, Kuan WS, Chu KH, Kinnear FB, Keijzers G, Karamercan MA, Klim S, Wijeratne T, Kamona S, Graham CA, Body R, Roberts T, Horner D, Laribi S; and the HEAD Study Group. (2021) Epidemiology, investigation, management, and outcome of headache in emergency departments (HEAD study)-A multinational observational study. Headache, 61 (10), 1539-1552.

Kelly P, Adam M, Basu C, Ritchie M, Wilson D, Seymour F. (2021) Interviews with health professionals about the National Child Protection Alert System. N Z Med J, 134 (1528), 35-45.

Kelly R, Semple D, Harper A. (2021) Recurrent Acute Kidney Injury with Severe Loin Pain and Patchy Renal Ischaemia after Anaerobic Exercise without Renal Hypouricaemia in a New Zealand European Male. Case Rep Nephrol Dial, 11 (2), 176-182.

Kilgour G, Adair B, Stott NS, Steele M, Hogan A, Imms C. (2021) Do physical activity interventions influence subsequent attendance and involvement in physical activities for children with cerebral palsy: a systematic review. Disabil Rehabil, 1-17. doi: 10.1080/09638288.2021.1909151.

Kim JY, Boyle L, Khashram M, Campbell D. (2021) Editor's Choice - Development and Validation of a Multivariable Prediction Model of Peri-operative Mortality in Vascular Surgery: The New Zealand Vascular Surgical Risk Tool (NZRISK-VASC). Eur J Vasc Endovasc Surg, 61 (4), 657-663.

Kim JY, Moore MR, Culwick MD, Hannam JA, Webster CS, Merry AF. (2021) Analysis of medication errors during anaesthesia in the first 4000 incidents reported to webAIRS. Anaesth Intensive Care, 310057X211027578.

Kim Y, Patel DC, Greig D, Cheng H. (2021) Photopatch Testing in New Zealand: A 12-Year Retrospective Review. Dermatitis, 32 (1), 53-56.

Kirby A, Curtis E, Hlohovsky S, Brown A, O'Donnell C. (2021) Pregnancy Outcomes and Risk Evaluation in a Contemporary Adult Congenital Heart Disease Cohort. Heart, Lung and Circulation, 30 (9), 1364-1372.

Klassen T, Dalziel SR, Babl FE, Benito J, Bressan S, Chamberlain J, Chang TP, Freedman SB, Kohn-Loncarica G, Lyttle MD, Mintegi S, Mistry RD, Nigrovic LE, Oostenbrink R, Plint AC, Rino P, Roland D, Van De Mosselaer G, Kuppermann N. (2021) The Pediatric Emergency Research Network: A Decade of Global Research Cooperation in Pediatric Emergency Care. Pediatric Emergency Care, 37 (7), 389-396.

Knight LSW, Ruddle JB, Taranath DA, Goldberg I, Smith JEH, Gole G, Chiang MY, Willett F, D'Mellow G, Breen J, Qassim A, Mullany S, Elder JE, Vincent AL, Staffieri SE, Kearns LS, Mackey DA, Luu S, Siggs OM, Souzeau E, Craig JE. (2021) Childhood and Early Onset Glaucoma Classification and Genetic Profile in a Large Australasian Disease Registry. Ophthalmology, 128 (11), 1549-1560.

Koh P, Cole N, Evans HM, McFarlane J, Roberts AJ. (2021) Diagnostic utility of upper and lower gastrointestinal endoscopy for the diagnosis of acute graft-versus-host disease in children following stem cell transplantation: A 12-year experience. Pediatr Transplant, 25 (7), e14046.

Kolbe J. (2021) Aspects of the modern management of bronchiectasis. Pol Arch Intern Med, doi: 10.20452/pamw.16137.

Kool B, Lilley R, Davie G, Reid P, Civil I, Branas C, de Graaf B, Dicker B, Ameratunga SN. (2021) Evaluating the impact of prehospital care on mortality following major trauma in New Zealand: a retrospective cohort study. Inj Prev, 27 (6), 582-586.

Kovoor JG, Scott NA, Tivey DR, Babidge WJ, Scott DA, Beavis VS, Kok J, MacCormick AD, Padbury RTA, Hugh TJ, Hewett PJ, Collinson TG, Maddern GJ, Frydenberg M. (2021) Proposed delay for safe surgery after COVID-19. ANZ J Surg, 91 (4), 495-506.

Kübler A, Maguire F, Sidebotham D. (2021) Venovenous extracorporeal membrane oxygenation for treating very severe pneumonia in Aotearoa New Zealand: a 16-year experience. New Zealand Medical Journal, 134 (1542), 56-66.

Kung S, Doppen M, Black M, Hills T, Kearns N. (2021) Reduced mortality in New Zealand during the COVID-19 pandemic. Lancet, 397 (10268), 25.

Labrosse R, Barmettler S, Derfalvi B, Blincoe A, Cros G, Lacombe-Barrios J, Barsalou J, Yang N, Alrumayyan N, Sinclair J, Ong MS, Camargo CA Jr, Walter J, Haddad E. (2021) Rituximab-induced hypogammaglobulinemia and infection risk in pediatric patients. J Allergy Clin Immunol, 148 (2), 523-532.e8.

Lam L, Ha L, Gladding P, Tse R, Kyle C. (2021) Effect of macrotroponin on the utility of cardiac troponin I as a prognostic biomarker for long term total and cardiovascular disease mortality. Pathology, 53 (7), 860-866.

Larkins NG, Wong G, Alexander SI, McDonald S, Prestidge C, Francis A, Le Page AK, Lim WH. (2021) Survival and transplant outcomes among young children requiring kidney replacement therapy. Pediatr Nephrol, 36 (8), 2443-2452.

Larkins NG, Wong G, Johnson DW, Hawley C, Teixeira-Pinto A, Pleass H, Pilmore H, Lim WH. (2021) Early Graft Loss Following Transplantation From Expanded Criteria Donors. Transplant Direct, 7 (11), e783.

Lawrence M, Sampson J, Oliver F, Restall P, Mackenzie M. (2021) Telangiectasia Macularis Eruptiva Perstans of the Scalp Mimicking Angiosarcoma. Am J Dermatopathol, 43 (12), e277-e279.

Lawrence RL, Ward K, Wall CR, Bloomfield FH. (2021) New Zealand women's experiences of managing gestational diabetes through diet: a qualitative study. BMC Pregnancy Childbirth, 21 (1), 819.

Lazaryan A, Dolan M, Zhang MJ, Wang HL, Kharfan-Dabaja MA, Marks DI, Bejanyan N, Copelan E, Majhail NS, Waller EK, Chao N, Prestidge T, (...), Bachanova V, Weisdorf D. (2021) Impact of cytogenetic abnormalities on outcomes of adult Philadelphia-negative acute lymphoblastic leukemia after allogeneic hematopoietic stem cell transplantation: a study by the Acute Leukemia Working Committee of the Center for International Blood and Marrow Transplant Research. Haematologica, 106 (8), 2295-2296.

Lazow MA, Fuller C, DeWire M, Lane A, Bandopadhayay P, Bartels U, Bouffet E, (...), Tsui K(...), Jones BV, Leach JL. (2021) Accuracy of Central Neuro-Imaging Review of DIPG Compared with Histopathology in the International DIPG Registry. Neuro Oncol, noab245. doi: 10.1093/neuonc/noab245.

Lensen S, Chen S, Goodman L, Rombauts L, Farquhar C, Hammarberg K. (2021) IVF add-ons in Australia and New Zealand: A systematic assessment of IVF clinic websites. Aust N Z J Obstet Gynaecol, 61 (3), 430-438.

Liauw J, Groom K, Ganzevoort W, Gluud C, McKinlay CJD, Sharp A, Mackay L, Kariya C, Lim K, von Dadelszen P, Limpens J, Jakobsen JC; STRIDER Consortium. (2021) Short-term outcomes of

phosphodiesterase type 5 inhibitors for fetal growth restriction: a study protocol for a systematic review with individual participant data meta-analysis, aggregate meta-analysis, and trial sequential analysis. Syst Rev, 10 (1), 305.

Lim WH, Adams B, Alexander S, Bouts AHM, Claas F, Collins M, (...), Palmer SC, Prestidge C, Prytula A, Sharma A, Shingde M, Taverniti A, Teixeira-Pinto A, Trnka P, Willis F, Wong D, Wong G. (2021) Improve in-depth immunological risk assessment to optimize genetic-compatibility and clinical outcomes in child and adolescent recipients of parental donor kidney transplants: protocol for the INCEPTION study. BMC Nephrol, 22 (1), 416.

Lin AY, Varghese C, Du P, Wells CI, Paskaranandavadivel N, Gharibans AA, Erickson JC, Bissett IP, O'Grady G. (2021) Intraoperative serosal extracellular mapping of the human distal colon: a feasibility study. Biomed Eng Online, 20 (1), 105.

Lindsay K, Chua I, Jordan A, Stephens S. (2021) National Audit of a Hereditary and Acquired Angioedema Cohort in New Zealand. Intern Med J, doi: 10.1111/imj.15466.

Liu C, Bhat S, Sharma P, Yuan L, O'Grady G, Bissett I. (2021) Risk factors for readmission with dehydration after ileostomy formation: A systematic review and meta-analysis. Colorectal Dis, 23 (5), 1071-1082.

Liu C, Ludlow E, Davidson RB, Davidson JB, Chu KS, O'Grady G, Bissett IP. (2021) Stoma-Output Reinfusion Device for Ileostomy Patients: A Feasibility Study. Dis Colon Rectum, 64 (11), e662-e668.

Liu M, Tseng TC, Jun DW, Yeh ML, Trinh H, Wong GLH, Chen CH, Peng CY, Kim SE, Oh H, Kwak MS, Cheung M, Toyoda H, Hsu YC, Jeong JY, Yoon EL, Ungtrakul T, Zhang J, Xie Q, Ahn SB, Enomoto M, Shim JJ, Cunningham C, Jeong SW, Cho YK, Ogawa E, Huang R, Lee DH, Takahashi H, Tsai PC, Huang CF, Dai CY, Tseng CH, Yasuda S, Kozuka R, Li J, Wong C, Wong CC, Zhao C, Hoang J, Eguchi Y, Wu C, Tanaka Y, Gane E, Tanwandee T, Cheung R, Yuen MF, Lee HS, Yu ML, Kao JH, Yang HI, Nguyen MH. (2021) Transition rates to cirrhosis and liver cancer by age, gender, disease and treatment status in Asian chronic hepatitis B patients. Hepatol Int, 15 (1), 71-81.

Longhurst HJ, Gonçalo M, Godse K, Ensina LF. (2021) Managing Chronic Urticaria and Recurrent Angioedema Differently with Advancing Age. J Allergy Clin Immunol Pract, 9 (6), 2186-2194.

Looi JL, Verryt T, McLeod P, Chan C, Pemberton J, Webster M, To A, Lee M, Kerr AJ. (2021) Type of Stressor and Medium-Term Outcomes After Takotsubo Syndrome: What Becomes of the Broken Hearted? (ANZACS-QI 59). Heart Lung Circ, S1443-9506(21)01293-2.

Lopez JF, Campbell A, Omer A, Stroman L, Bondad J, Austin T, Reeves T, Phelan C, Leiblich A, Philippou Y, Lovegrove CE, Ranasinha N, Bryant RJ, Leslie T, Hamdy FC, Brewster S, Bell CR, Popert R, Hodgson D, Elsaghir M, Eddy B, Bolomytis S, Persad R, Reddy UD, Foley C, van Rij S, Lam W, Lamb AD. (2021) Local anaesthetic transperineal (LATP) prostate biopsy using a probe-mounted transperineal access system: a multicentre prospective outcome analysis. BJU Int, 128 (3), 311-318.

Lumbers RT, Shah S, Lin H, Czuba T, Henry A, Swerdlow DI, Mälarstig A, (...), White HD, (...), Ellinor PT, Vasan RS, Smith JG. (2021) The genomics of heart failure: design and rationale of the HERMES consortium. ESC Heart Fail, 8 (6), 5531-5541.

Lumry WR, Zuraw B, Cicardi M, Craig T, Anderson J, Banerji A, Bernstein JA, Caballero T, Farkas H, Gower RG, Keith PK, Levy DS, Li HH, Magerl M, Manning M, Riedl MA, Lawo JP, Prusty S, Machnig T, Longhurst H; on behalf of the COMPACT Investigators. (2021) Long-term health-related quality of life in patients treated with subcutaneous C1-inhibitor replacement therapy for the prevention of hereditary angioedema attacks: findings from the COMPACT open-label extension study. Orphanet J Rare Dis, 16 (1), 86.

Lydiard S, Pontré B, Hindley N, Lowe BS, Sasso G, Keall P. (2021) MRI-guided cardiac-induced target motion tracking for atrial fibrillation cardiac radioablation. Radiother Oncol, 164, 138-145.

Lydiard S, Pontré B, Lowe BS, Ball H, Sasso G, Keall P. (2021) Cardiac radioablation for atrial fibrillation: Target motion characterization and treatment delivery considerations. Med Phys, 48 (3), 931-941.

Lyons-Reid J, Albert BB, Kenealy T, Cutfield WS. (2021) Birth Size and Rapid Infant Weight Gain-Where Does the Obesity Risk Lie? J Pediatr, 230, 238-243.

Lyons-Reid J, Derraik JGB, Ward LC, Tint MT, Kenealy T, Cutfield WS. (2021) Bioelectrical impedance analysis for assessment of body composition in infants and young children-A systematic literature review. Clin Obes, 11 (3), e12441.

Lyons-Reid J, Ward LC, Tint MT, Kenealy T, Godfrey KM, Chan SY, Cutfield WS. (2021) The influence of body position on bioelectrical impedance spectroscopy measurements in young children. Sci Rep, 11 (1), 10346.

Ma T, Sims JL, Bennett S, Chew S, Niederer RL. (2021) High rate of conversion from ocular hypertension to glaucoma in subjects with uveitis. British Journal of Ophthalmology, doi: 10.1136/bjophthalmol-2021-318809.

Ma Y, Jiang S, Mithraratne K, Wilson N, Yu Y, Zhang Y. (2021) The effect of musculoskeletal model scaling methods on ankle joint kinematics and muscle force prediction during gait for children with cerebral palsy and equinus gait. Comput Biol Med, 134:104436.

Ma Y, Mithraratne K, Wilson N, Zhang Y, Wang X. (2021) Kinect V2-Based Gait Analysis for Children with Cerebral Palsy: Validity and Reliability of Spatial Margin of Stability and Spatiotemporal Variables. Sensors (Basel), 21 (6), 2104.

Macdonald-Laurs E, Sharpe C, Nespeca M, Rismanchi N, Gold JJ, Kuperman R, Wang S, Lee NMD, Michelson DJ, Haas R, Reed P, Davis SL. (2021) Does the first hour of continuous electroencephalography predict neonatal seizures? Arch Dis Child Fetal Neonatal Ed, 106 (2), 162-167.

MacMahon D, Brabyn C, Dalziel SR, McKinlay CJ, Tan E. (2021) Fever phobia in caregivers presenting to New Zealand emergency departments. Emergency Medicine Australasia, 33 (6), 1074-1081.

Maddison R, Jiang Y, Stewart R, Scott T, Kerr A, Whittaker R, Benatar J, Rolleston A, Estabrooks P, Dale L. (2021) An Intervention to Improve Medication Adherence in People With Heart Disease (Text4HeartII): Randomized Controlled Trial. JMIR Mhealth Uhealth, 9 (6), e24952.

Maessen SE, Swinburn BA, Taylor RW, Gerritsen S, Nichols M, Körner A, Kiess W, Hancock C, Cutfield WS. (2021) Slim Evidence to Suggest Preschoolers Are Emerging from the Obesity Epidemic. Journal of Pediatrics, 236, 292-296.

Maharaj A, Lim D, Murphy R, Serlachius A. (2021) Comparing Two Commercially Available Diabetes Apps to Explore Challenges in User Engagement: Randomized Controlled Feasibility Study. JMIR Form Res, 5 (6), e25151.

Malihi Z, Portch R, Hashemi L, Schlichting D, Wake M, Morton S, Fa'alili-Fidow J, Mensah F, Olds T, Atatoa Carr P, Kingi TK, Grant CC, Denny S. (2021) Modifiable Early Childhood Risk Factors for Obesity at Age Four Years. Child Obes, 17 (3), 196-208.

Manners D, Dawkins P, Pascoe D, Crengle S,

Bartholomew K, Leong TL. (2021) Lung cancer screening in Australia and New Zealand: the evidence and the challenge. Intern Med J, 51 (3), 436-441.

Manning A, Rassie K, Rivalland G. (2021) A case of hyperprolactinaemia in a patient with metastatic melanoma. Melanoma Res, 31 (3), 277-279.

Marino M, Eckert AJ, Tell S, Krnic N, Deja G, Faber Rasmussen V, Coelho R, Todorovic S, Jefferies CA, Sherif E, Martinez Mateu C, Elena Lionetti M. (2021) The Association between Treatment Modality, Lipid Profile, Metabolic Control in Children with Type 1 Diabetes and Celiac Disease-Data from the International Sweet Registry. Nutrients, 13 (12), 4473.

Mark S, Rashid P, Heathcote P, Zargar Shoshtari K. (2021) Differences in treatment choices for localised prostate cancer diagnosed in private and public health services. Med J Aust, 214 (10), 485-485.e1.

Martin A, Lever N. (2021) Permanent Transfemoral Pacing: Making Things Easier. Hear, Lung and Circulation, 30 (2), e41-e44.

Mason B, Stott S, Beamish R. (2021) Reduced presentations with fractures or orthopaedic infections to a major children's hospital during a national COVID-19 elimination strategy. ANZ J Surg, 10.1111/ans.17354.

Mathews DM, Johnson NP, Sim RG, O'Sullivan S, Peart JM, Hofman PL. (2021) Iodine and fertility: do we know enough? Hum Reprod, 36 (2), 265-274.

Matthews GV, Bhagani S, Van der Valk M, Rockstroh J, Feld JJ, Rauch A, Thurnheer C, Bruneau J, Kim A, Hellard M, Shaw D, Gane E, Nelson M, Ingiliz P, Applegate TL, Grebely J, Marks P, Martinello M, Petoumenos K, Dore GJ; REACT study group; Protocol Steering Committee; Coordinating Centre; Site Principal Investigators. (2021) Sofosbuvir/velpatasvir for 12 vs. 6 weeks for the treatment of recently acquired hepatitis C infection. J Hepatol, 75 (4), 829-839.

Matti B, Chapman D, Zargar-Shoshtari K. (2021) Ethnic and regional differences in the temporal trends of prostate cancer incidence and mortality in New Zealand. ANZ J Surg, 91 (12), 2806-2816.

Matti B, Lyndon M, Zargar-Shoshtari K. (2021) Ethnic and socio-economic disparities in prostate cancer screening: lessons from New Zealand. BJU Int, 128 Suppl 3:11-17.

Matti B, Reeves F, Prouse M, Zargar-Shoshtari K. (2021) The impact of the extent and location of positive surgical margins on the risk of biochemical recurrence following radical prostatectomy in men with Gleason 7 prostate cancers. Prostate, 81 (16), 1428-1434.

Matti B, Xia W, van der Werf B, Zargar-Shoshtari K. (2021) Age-Adjusted Reference Values for Prostate Specific Antigen - A Systematic Review and Meta-Analysis. Clin Genitourin Cancer, S1558-7673(21)00230-5.

Matti B, Zargar-Shoshtari K. (2021) Age-adjusted reference values for prostate-specific antigen in a multi-ethnic population. Int J Urol, 28 (5), 578-583.

Matti B, Zargar-Shoshtari K. (2021) Prostate cancer outcomes disparities: Population survival analysis in an ethnically diverse nation. Urol Oncol, 39 (6), 367.e19-367.e26.

Ma'u E, Cullum S, Cheung G, Livingston G, Mukadam N. (2021) Differences in the potential for dementia prevention between major ethnic groups within one country: A cross sectional analysis of population attributable fraction of potentially modifiable risk factors in New Zealand. Lancet Reg Health West Pac, 13, 100191.

Mauger CA, Govil S, Chabiniok R, Gilbert K, Hegde S, Hussain T, McCulloch AD, Occleshaw CJ, Omens J, Perry JC, Pushparajah K, Suinesiaputra A, Zhong L, Young AA. (2021) Right-left ventricular shape variations in tetralogy of Fallot: associations with pulmonary regurgitation. J Cardiovasc Magn Reson, 23 (1), 105.

Maurer M, Aygören-Pürsün E, Banerji A, Bernstein JA, Balle Boysen H, Busse PJ, Bygum A, Caballero T, Castaldo AJ, Christiansen SC, Craig T, Farkas H, Grumach AS, Hide M, Katelaris CH, Li HH, Longhurst H, Lumry WR, Magerl M, Martinez-Saguer I, Riedl MA, Zhi Y, Zuraw B. (2021) Consensus on treatment goals in hereditary angioedema: A global Delphi initiative. J Allergy Clin Immunol, 148 (6), 1526-1532.

Maurer M, Caballero T, Aberer W, Zanichelli A, Bouillet L, Bygum A, Grumach AS, Botha J, Andresen I, Longhurst HJ; IOS Study Group. (2021) Variability of disease activity in patients with hereditary angioedema type 1/2: longitudinal data from the Icatibant Outcome Survey. J Eur Acad Dermatol Venereol, 35 (12), 2421-2430.

Maurer M, Magerl M, Betschel S, Aberer W, Ansotegui IJ, Aygören-Pürsün E, (...), Longhurst H, Lumry WR, MacGinnitie A, Malbran A, Martinez Saguer I, Matta JJ, Nast A, Nguyen D, Nieto-Martinez SA, Pawankar R, Peter J, Porebski G, Prior N, Reshef A, Riedl M, Ritchie B, Rafique Sheikh F, Smith WR, Spaeth PJ, Stobiecki M, Toubi E, Agnes Varga L, Weller K, Zanichelli A, Zhi Y, Zuraw B, Craig T. (2021) The international WAO/EAACI guideline for the management of hereditary angioedema - the 2021 revision and update. Allergy, doi: 10.1111/all.15214.

McAllister S, van Asten H, Anglemyer A, Crengle S, Zeng J, Raymond N, Handy R, Giola M, Dickson N, Priest P. (2021) Cascade of care of people diagnosed with HIV in New Zealand between 2006 and 2017. HIV Med, 22 (2), 122-130.

McAuliffe GN, Blackmore TK. (2021) COVID-19 serology: use and interpretation in New Zealand. New Zealand Medical Journal, 134 (1537), 144-147.

McBride KF, Rolleston A, Grey C, Howard NJ, Paquet C, Brown A. (2021) Māori, Pacific, Aboriginal and Torres Strait Islander Women's Cardiovascular Health: Where Are the Opportunities to Make a Real Difference? Heart Lung Circ, 30 (1), 52-58.

McCarthy S, Garland J, Wong CX, Tse R. (2021) Coronary artery thromboembolism from left appendage mural thrombus- a rare complication from atrial fibrillation. Forensic Sci Med Pathol, 17 (3), 522-525.

McCarthy S, Milne D, O'Connor K, Tse R, Garland J. (2021) Cervical Epidural Abscess: A Blind Spot for Postmortem Computed Tomography. Am J Forensic Med Pathol, doi: 10.1097/PAF.0000000000000742.

McCaughan G, Di Ciaccio P, Ananda-Rajah M, Gilroy N, MacIntyre R, Teh B, Weinkove R, Curnow J, Szer J, Enjeti AK, Ross DM, Mulligan S, Trotman J, Dickinson M, Quach H, Choi P, Polizzotto MN, Tam CS, Ho PJ, Ku M, Gregory G, Gangatharan S, Hapgood G, Cochrane T, Cheah C, Gibbs S, Wei A, Johnston A, Greenwood M, Prince HM, Latimer M, Berkahn L, Wight J, Armytage T, Hamad N. (2021) COVID-19 vaccination in haematology patients: an Australian and New Zealand consensus position statement. Intern Med J, 51 (5), 763-768.

McGregor R, Tay ML, Carlton LH, Hanson-Manful P, Raynes JM,

Forsyth WO, Brewster DT, Middleditch MJ, Bennett J, Martin WJ, Wilson N, Atatoa Carr P, Baker MG, Moreland NJ. (2021) Mapping Autoantibodies in Children With Acute Rheumatic Fever. Front Immunol, 12, 702877.

McGuinness B, Chieng N, Skipworth C, Caldwell J, Molyneux A. (2021) Small ruptured cerebral aneurysms-do they rupture on formation or not? Neuroradiology, doi: 10.1007/s00234-021-02738-3.

McGuinness MJ, Thompson G, Haysom S, Civil I. (2021) Nail gun injuries: not just an occupational hazard. New Zealand Medical Journal, 134 (1540), 56-63.

McGuinness S, Charlewood R, Gilder E, Parke R, Hayes K, Morley S, Al-Ibousi A, Deans R, Howe B, Johnson L, Marks DC, Reade MC; Australian and New Zealand College of Anaesthetists Clinical Trials Network; Australian and New Zealand Intensive Care Society Clinical Trials Group. (2021) A pilot randomized clinical trial of cryopreserved versus liquid-stored platelet transfusion for bleeding in cardiac surgery: The cryopreserved versus liquid platelet-New Zealand pilot trial. Vox Sang, doi: 10.1111/vox.13203.

McHugh AD, Chase JG, Knopp JL, Ormsbee JJ, Kulawiec DG, Merry TL, Murphy R, Shepherd PR, Burden HJ, Docherty PD. (2021) The Impact of Exogenous Insulin Input on Calculating Hepatic Clearance Parameters. J Diabetes Sci Technol.:1932296820986878.

McKinlay CJD, Alsweiler JM, Bailey MJ, Cutfield WS, Rout A, Harding JE. (2021) A better taxonomy for neonatal hypoglycemia is needed. Journal of Perinatology, 41 (5), 1205-1206.

McKinney WP, Vesty A, Sood J, Bhally H, Morris AJ. (2021) The emergence of azole resistance in Aspergillus fumigatus complex in New Zealand. New Zealand Medical Journal, 134 (1536), 41-51.

McLeod G, Farrent S, Gilroy M, Page D, Oliver CJ, Richmond F, Cormack BE. (2021) Variation in Neonatal Nutrition Practice and Implications: A Survey of Australia and New Zealand Neonatal Units. Front Nutr, 8, 642474.

McLeod RS, Moore EE, Crozier JA, Civil ID, Ahmed N, Bulger EM, Stewart RM. (2021) A Public Health Approach to Prevent Firearm Related Injuries and Deaths. Ann Surg, 274 (4), 533-543.

Merry AF, Weller JM. (2021) Communication and team function affect patient outcomes in anaesthesia: getting the message across. British Journal of Anaesthesia, 127 (3), 349-352.

Meyer JA, Zhu M, Cavadino A, Coleman B, Munro JT, Young SW. (2021) Infection and periprosthetic fracture are the leading causes of failure after aseptic revision total knee arthroplasty. Arch Orthop Trauma Surg, 141 (8), 1373-1383.

Meyer JJ. (2021) Rates of Herpes Simplex Virus Types 1 and 2 in Ocular and Peri-ocular Specimens. Ocul Immunol Inflamm, Nov 22;1-4. doi: 10.1080/09273948.2021.1998548.

Meyer JJ, Gokul A, Vellara HR, McGhee CNJ. (2021) Progression of keratoconus in children and adolescents. British Journal of Ophthalmology, Sep 3, bjophthalmol-2020-316481.

Meyer JJ, Jordan CA, Patel DV, Gokul A, Dean SJ, Ahmed S, Subbiah S, McGhee CNJ. (2021) Five-year results of a prospective, randomised, contralateral eye trial of corneal crosslinking for keratoconus. Clin Exp Ophthalmol, Aug, 49 (6), 542-549.

Meyer J, Karri R, Danesh-Meyer H, Drummond K, Symons A. (2021) A normative database of A-scan data using the Heidelberg Spectralis Spectral Domain Optical Coherence Tomography machine. PLoS One, Jul 1, 16 (7), e0253720.

Miles A, Barua S, McLellan N, Brkic L. (2021) Dysphagia and medicine regimes in patients following lung transplant surgery: A retrospective review. Int J Speech Lang Pathol, 23 (4), 339-348.

Misiloi S, Haydock DA, Cranshaw I, Lauti M. (2021) Surgical debulking of a large thoracoabdominal plexiform neurofibroma with pericardial resection. ANZ J Surg, doi: 10.1111/ans.17018.

Mistry R, Falland RL, Wheeler M, Sidebotham D. (2021) Traumatic Injury to Both Atrioventricular Valves. CASE (Phila), 5 (5), 329-334.

Mitra B, Bernard S, Gantner D, Burns B, Reade MC, Murray L, Trapani T, Pitt V, McArthur C, Forbes A, Maegele M, Gruen RL; PATCH-Trauma study investigators; PATCH-Trauma Study investigators. (2021) Protocol for a multicentre prehospital randomised controlled trial investigating tranexamic acid in severe trauma: the PATCH-Trauma trial. BMJ Open, 11 (3), e046522.

Modesto A, Cameron NR, Varghese C, Peters N, Stokes B, Phillips A, Bissett I, O'Grady G. (2021) Meta-Analysis of the Composition of Human Intestinal Gases. Dig Dis Sci, doi: 10.1007/s10620-021-07254-1.

Monk BJ, Coleman RL, Fujiwara K, Wilson MK, Oza AM, Oaknin A, O'Malley DM, Lorusso D, Westin SN, Safra T, Herzog TJ, Marmé F, N Eskander R, Lin KK, Shih D, Goble S, Grechko N, Hume S, Maloney L, McNeish IA, Kristeleit RS. (2021) ATHENA (GOG-3020/ENGOT-ov45): a randomized, phase III trial to evaluate rucaparib as monotherapy (ATHENA-MONO) and rucaparib in combination with nivolumab (ATHENA-COMBO) as maintenance treatment following frontline platinum-based chemotherapy in ovarian cancer. Int J Gynecol Cancer, 31 (12), 1589-1594.

Monti S, Craven A, Klersy C, Montecucco C, Caporali R, Watts R, Merkel PA, Luqmani R; DCVAS Collaborators. (2021) Association between age at disease onset of anti-neutrophil cytoplasmic antibody-associated vasculitis and clinical presentation and short-term outcomes. Rheumatology (Oxford), 60 (2), 617-628.

Moore MR, Mitchell SJ, Weller JM, Cumin D, Cheeseman JF, Devcich DA, Hannam JA, Merry AF; CheckWHO group. (2021) A retrospective audit of postoperative days alive and out of hospital, including before and after implementation of the WHO surgical safety checklist. Anaesthesia, 77 (2), 185-195.

Moreschi C, Da Broi U, Tse R, Garland J, Ondruschka B, Cividino SR, Vello M, Gubiani R. (2021) Medicolegal Implications of Fatalities Because of Entanglement in the Augers of Feed Mixer Wagons. Am J Forensic Med Pathol, doi: 10.1097/PAF.0000000000000733.

Morgan J, Mathew T, Azariah S. (2021) Eliminating congenital syphilis from Aotearoa New Zealand. New Zealand Medical Journal, 134 (1544), 8-12.

Morillon MB, Christensen R, Singh JA, Dalbeth N, Saag K, Taylor WJ, Neogi T, Kennedy MA, Pedersen BM, McCarthy GM, Shea B, Diaz-Torne C, Tedeschi SK, Grainger R, Abhishek A, Gaffo A, Nielsen SM, Noerup A, Simon LS, Lassere M, Tugwell P, Stamp LK, Gout Working Group FTO. (2021) Serum urate as a proposed surrogate outcome measure in gout trials: From the OMERACT working group. Semin Arthritis Rheum, 51 (6), 1378-1385.

Morris AJ, McKinney WP, Rogers K, Freeman JT, Roberts SA. (2021) Antifungal susceptibility of clinical mould isolates in New Zealand, 2001-2019. Pathology, 53 (5), 639-644.

Moss R, Farrant B, Byrnes CA. (2021) Transitioning from paediatric to adult services with cystic fibrosis or bronchiectasis: What is the impact on engagement and health outcomes? Journal of Paediatrics and Child Health, 57 (4), 548-553.

Muelbert M, Alexander T, Pook C, Jiang Y, Harding JE, Bloomfield FH. (2021) Cortical Oxygenation Changes during Gastric Tube Feeding in Moderate- and Late-Preterm Babies: A NIRS Study. Nutrients, 13 (2), 350.

Muelbert M, Bloomfield FH, Pundir S, Harding JE, Pook C. (2021) Olfactory Cues in Infant Feeds: Volatile Profiles of Different Milks Fed to Preterm Infants. Front Nutr, 7, 603090.

Muelbert M, Galante L, Alexander T, Harding JE, Pook C, Bloomfield FH. (2021) Odor-active volatile compounds in preterm breastmilk. Pediatr Res, doi: 10.1038/s41390-021-01556-w.

Mukerji S, Tan E, May C, Micanovic C, Blakemore P, Phelps K, Melville H, Jones P. (2021) Retrospective validation of a risk stratification tool developed for the management of patients with blunt chest trauma (the STUMBL score). Emerg Med Australas, 33 (5), 841-847.

Mulroy E, Snow B, Bok A, Simpson M, Smith A, Taylor KM, Lockhart M, Lam BBJ, Frampton C, Finucane G, Schweder P, Chen B, McMahon A, Macdonald L. (2021) A long-term follow-up of safety and clinical efficacy of NTCELL® [Immunoprotected (Alginate-encapsulated) porcine choroid plexus cells for xenotransplantation] in patients with Parkinson's disease. Parkinsonism and Related Disorders, 82, 128-132.

Muniandy A, Lee M, Grey C, Ferrier K, Kerr AJ. (2021) Demographic differences in the initiation and maintenance of statins in the first year post ACS in New Zealand: a data linkage study (ANZACS-QI 57). N Z Med J, 134 (1534), 31-45.

Murdoch R, Barry MJ, Choi HK, Hernandez D, Johnsen B, Labrador M, Reid S, Singh JA, Terkeltaub R, Vázquez Mellado J, Dalbeth N. (2021) Gout, Hyperuricaemia and Crystal-Associated Disease Network (G-CAN) common language definition of gout. RMD Open, 7 (2), e001623.

Murphy RJ, Sumner RL, Evans W, Menkes D, Lambrecht I, Ponton R, Sundram F, Hoeh N, Ram S, Reynolds L, Muthukumaraswamy S. (2021) MDLSD: study protocol for a randomised, double-masked, placebo-controlled trial of repeated microdoses of LSD in healthy volunteers. Trials, 22 (1), 302.

Murphy V, Cheng H. (2021) Revisiting patch test data reporting: Towards equity. Contact Dermatitis, 85 (6), 725-726.

Murphy VL, Patel DC, Lamb SR, Cheng HS. (2021) Patch testing to plants: sensitisation associated with exposure to plants, essential oils and botanicals in cosmetics. New Zealand Medical Journal, 134 (1536), 86-99.

Murphy VL, Patel DC, Lamb SR, Cheng HS. (2021) Topical corticosteroid allergy: Results of sequential testing to a corticosteroid series in New Zealand. Contact Dermatitis, 85 (1), 32-38.

Nadlacki B, Horton D, Hossain S, Hariharaputhiran S, Ngo L, Ali A, Aliprandi-Costa B, Ellis CJ, Adams RJ, Visvanathan R, Ranasinghe I. (2021) Long term survival after acute myocardial infarction in Australia and New Zealand, 2009-2015: a population cohort study. Med J Aust, 214 (11), 519-525.

Nagler J, Auerbach M, Monuteaux MC, Cheek JA, Babl FE, Oakley E, Nguyen L, Rao A, Dalton S, Lyttle MD, Mintegi S, Mistry RD, Dixon A, Rino P, Kohn-Loncarica G, Dalziel SR, Craig S; Pediatric Emergency Research Networks (PERN). (2021) Exposure and confidence across critical airway procedures in pediatric emergency medicine: An international survey study. American Journal of Emergency Medicine, 42, 70-77.

Nascimento BR, Nunes MCP, Lima EM, Sanyahumbi AE, Wilson N, Tilton E, Rémond MGW, Maguire GP, Ribeiro ALP, Kazembe PN, Sable C, Beaton AZ; Programa de Rastreamento da Valvopatia Reumática (PROVAR) Investigators (2021) Outcomes of Echocardiography-Detected Rheumatic Heart Disease: Validating a Simplified Score in Cohorts From Different Countries. Journal of the American Heart Association, 10 (18), e021622.

Nayar M, Varghese C, Kanwar A, Siriwardena AK, Haque AR, Awan A, Balakrishnan A, Rawashdeh A, Ivanov B, Parmar C, Halloran CM, Caruana C, Borg CM, Gomez D, Damaskos D, Karavias D, Finch G, Ebied H, Pine JK, Skipworth JRA, Milburn J, Latif J, Apollos J, El Kafsi J, Windsor JA, Roberts K, Wang K, Ravi K, Coats MV, Hollyman M, Phillips M, Okocha M, Wilson MS, Ameer NA, Kumar N, Shah N, Lapolla P, Magee C, Al-Sarireh B, Lunevicius R, Benhmida R, Singhal R, Balachandra S, Demirli Atıcı S, Jaunoo S, Dwerryhouse S, Boyce T, Charalampakis V, Kanakala V, Abbas Z, Tewari N, Pandanaboyana S; COVIDPAN Collborative Group; COVID Pain Collborative Group. (2021) SARS-CoV-2 infection is associated with an increased risk of idiopathic acute pancreatitis but not pancreatic exocrine insufficiency or diabetes: long-term results of the COVIDPAN study. Gut, gutjnl-2021-326218.

Ng L, Merry AF, Paterson R, Merry SN. (2021) Clinicians' experiences of inquiries following mental health related homicide: a qualitative study. Australas Psychiatry, 10398562211009260.

Ng L, Merry AF, Paterson R, Merry SN. (2021) The conduct of inquiries: a qualitative study of the perspectives of panel members who investigate mental health related homicide. J Ment Health, 30 (6), 724-733.

Ngo DYJ, Thomson WM. (2021) An Update on the Lived Experience of Dry Mouth in Sjögren's Syndrome Patients. Front Oral Health, 2, 767568.

Nicholls M, Hamilton S, Jones P, Frampton C, Anderson N, Tauranga M, Beck S, Cadzow A, Cadzow N, Chiang A, Fayerberg E, Hayward L, MacLean A, McLeay A, Moran S, Muthu A, Rogan A, Rolton N, Sagarin M, Tan E, Tomlin F, Yates K, Selak V. (2021) Workplace wellbeing in emergency departments in Aotearoa New Zealand 2020. New Zealand Medical Journal, 134 (1541), 96-110.

Niederer RL, Al-Ani HH. (2021) Bartonella Neuroretinitis. New England Journal of Medicine, 384 (10), 952.

Niederer RL, Ma SP, Wilsher ML, Ali NQ, Sims JL, Tomkins-Netzer O, Lightman SL, Lim LL. (2021) Systemic Associations of Sarcoid Uveitis: Correlation With Uveitis Phenotype and Ethnicity. American Journal of Ophthalmology, 229, 169-175.

Niederer RL, Meyer JJ, Liu K, Danesh-Meyer HV. (2021) Herpes Zoster Ophthalmicus Clinical Presentation and Risk Factors for Loss of Vision. American Journal of Ophthalmology, 226, 83-89.

Nordenskjöld AM, Agewall S, Atar D, Baron T, Beltrame J, Bergström O, Erlinge D, Gale CP, López-Pais J, Jernberg T, Johansson P, Ravn-Fisher A, Reynolds HR, Somaratne JB, Tornvall P, Lindahl B. (2021) Randomized evaluation of beta blocker and ACE-inhibitor/angiotensin receptor blocker treatment in patients with myocardial infarction with non-obstructive coronary arteries (MINOCA-BAT): Rationale and design. American Heart Journal, 231, 96-104.

Nursalim YNS, Groom KM, Blenkiron C, Chamley LW. (2021) A simple method to isolate term trophoblasts and maintain them in extended culture. Placenta, 108, 1-10.

Nyaga DM, Vickers MH, Jefferies C, Fadason T, O'Sullivan JM. (2021) Untangling the genetic link between type 1 and type 2 diabetes using functional genomics. Sci Rep, 11 (1), 13871.

Oaknin A, Oza AM, Lorusso D, Aghajanian C, Dean A, Colombo N, Weberpals JI, Clamp AR, Scambia G, Leary A, Holloway RW, Amenedo Gancedo M, Fong PC, Goh JC, O'Malley DM, Armstrong DK, Banerjee S, García-Donas J, Swisher EM, Cameron T, Maloney L, Goble S, Ledermann JA, Coleman RL. (2021) Maintenance treatment with rucaparib for recurrent ovarian carcinoma in ARIEL3, a randomized phase 3 trial: The effects of best response to last platinum-based regimen and disease at baseline on efficacy and safety. Cancer Med, 10 (20), 7162-7173.

O'Brien S, Babl FE, Dalziel SR. (2021) High-Flow Nasal Cannula as Rescue Therapy in Bronchiolitis. JAMA Pediatrics, 175 (2), 207-208.

Ofanoa M, Ofanoa SM, Heather M, Tu'akoi S, Lutui H, Dalbeth N, Grey C, van der Werf B, Goodyear-Smith

F. (2021) Design and implementation of a Pacific intervention to increase uptake of urate-lowering therapy for gout: a study protocol. Int J Equity Health, 20 (1), 262.

Ohshimo S, Wang CH, Couto TB, Bingham R, Mok YH, Kleinman M, Aickin R, Ziegler C, DeCaen A, Atkins DL, Maconochie I, Rabi Y, Morrison L; International Liaison Committee on Resuscitation (ILCOR) Pediatric Task Force. (2021) Pediatric timing of epinephrine doses: A systematic review. Resuscitation, 160, 106-117.

Olijve L, Amarasena L, Best E, Blyth C, van den Boom M, Bowen A, Bryant PA, Buttery J, Dobinson HC, Davis J, Francis J, Goldsmith H, Griffiths E, Hung TY, Huynh J, Kesson A, Meehan A, McMullan B, Nourse C, Palasanthiran P, Penumarthy R, Pilkington K, Searle J, Stephenson A, Webb R, Williman J, Walls T. (2021) The role of Kingella kingae in pre-school aged children with bone and joint infections. Journal of Infection, 83 (3), 321-331.

Oliphant J, Barnett D, Veale J, Denny S, Farrant B. (2021) The wellbeing and health needs of a cohort of transgender young people accessing specialist medical gender-affirming healthcare in Auckland. New Zealand Medical Journal, 134 (1541), 33-44

Oliphant J, Nicolson B, Coomarasamy C, Foley C, Laking A. (2021) A retrospective observational study of genital findings in adult women presenting to a New Zealand Adult Sexual Abuse Assessment and Treatment Service following an allegation of recent sexual assault. J Forensic Leg Med, 86, 102301.

Oliver MH, Bloomfield FH, Bansal A, Phua HH, Thorstensen EB, Harding JE, Jaquiery AL. (2021) Effects of maternal periconceptional undernutrition in sheep on offspring glucose-insulin axis function into adulthood. J Dev Orig Health Dis, 12 (5), 714-720.

Olszowka M, Held C, Hadziosmanovic N, Denchev S, Manolis A, Wallentin L, White HD, Stewart RAH, Hagström E; STABILITY Investigators. (2021) Excessive daytime sleepiness, morning tiredness and major adverse cardiovascular events in patients with chronic coronary syndrome. J Intern Med, 290 (2), 392-403.

Ong AP, Sims JL, Niederer RL. (2021) Infectious Uveitis after Local Steroid and/or Methotrexate Injections at A Tertiary Referral Center in New Zealand: A Case Series. Ocul Immunol Inflamm, Apr 1, 1-5. doi: 10.1080/09273948.2020.1860230.

Orfali N, Zhang MJ, Allbee-Johnson M, Boelens JJ, Artz AS, Brunstein CG, McNiece IK, Milano F, Abid MB, Chee L, Diaz MA, Grunwald MR, Hematti P, Hsu J, Lazarus HM, Munshi PN, Prestidge T, Ringden O, Rizzieri D, Riches ML, Seo S, Solh M, Solomon S, Szwajcer D, Yared J, van Besien K, Eapen M. (2021) Planned Granulocyte Colony-Stimulating Factor Adversely Impacts Survival after Allogeneic Hematopoietic Cell Transplantation Performed with Thymoglobulin for Myeloid Malignancy. Transplant Cell Ther, 27 (12), 993.e1-993.e8.

Ormsbee JJ, Burden HJ, Knopp JL, Chase JG, Murphy R, Shepherd PR, Merry T. (2021) Variability in Estimated Modelled Insulin Secretion. J Diabetes Sci Technol. 1932296821991120.

Ostring G, Prestidge T, Olding R, Mato H, Drake R, Cutfield W. (2021) Calcium conundrums in juvenile dermatomyositis: Calcinosis universalis and hypercalcaemia post stem cell transplant. Journal of Paediatrics and Child Health, doi: 10.1111/jpc.15806.

Ou C, Rektorysova M, Othman B, Windsor JA, Pandanaboyana S, Loveday BPT. (2021) Benchmarking Performance in Pancreatic Surgery: a Systematic Review of Published Quality Metrics. J Gastrointest Surg, 25 (3), 834-842.

Pachen M, Abukar Y, Shanks J, Lever N, Ramchandra R. (2021) Activation of the carotid body increases directly recorded cardiac sympathetic nerve activity and coronary blood flow in conscious sheep. Am J Physiol Regul Integr Comp Physiol, 320 (3), R203-R212.

Pachen M, Abukar Y, Shanks J, Lever N, Ramchandra R. (2021) Regulation of Coronary Blood Flow by the Carotid Body Chemoreceptors in Ovine Heart Failure. Front Physiol, 12, 681135.

Palmer BR, Paterson MA, Frampton CM, Pilbrow AP, Skelton L, Pemberton CJ, Doughty RN, Ellis CJ, Troughton RW, Richards AM, Cameron VA. (2021) Vascular endothelial growth factor-A promoter polymorphisms, circulating VEGF-A and survival in acute coronary syndromes. PLoS One, 16 (7), e0254206.

Pan CQ, Chang TT, Bae SH, Brunetto M, Seto WK, Coffin CS, Tan SK, Mo S, Flaherty JF, Gaggar A, Nguyen MH, Çelen MK, Thompson A, Gane EJ. (2021) Antiviral kinetics of tenofovir alafenamide and tenofovir disoproxil fumarate over 24 weeks in women of childbearing potential with chronic HBV. PLoS One, 16 (5), e0251552.

Panda N, Etheridge JC, Singh T, Sonnay Y, Molina G, Burian BK, Capo-Chichi N, Cauley CE, de Beer DAH, Derbew M, Dias RD, Fearon MC, Feyssa MD, Hagen K, Kumar M, Mammo TN, Mariano ER, Merry A, Mushayandebvu B, Nabukenya MT, Shah M, Spruce L, Weiser TG, Brindle ME. (2021) We Asked the Experts: The WHO Surgical Safety Checklist and the COVID-19 Pandemic: Recommendations for Content and Implementation Adaptations. World J Surg, 45 (5), 1293-1296.

Pandanaboyana S, Moir J, Leeds JS, Oppong K, Kanwar A, Marzouk A, Belgaumkar A, Gupta A, Siriwardena AK, Haque AR, Awan A, Balakrishnan A, Rawashdeh A, Ivanov B, Parmar C, M Halloran C, Caruana C, Borg CM, Gomez D, Damaskos D, Karavias D, Finch G, Ebied H, K Pine J, R A Skipworth J, Milburn J, Latif J, Ratnam Apollos J, El Kafsi J, Windsor JA, Roberts K, Wang K, Ravi K, V Coats M, Hollyman M, Phillips M, Okocha M, Sj Wilson M, A Ameer N, Kumar N, Shah N, Lapolla P, Magee C, Al-Sarireh B, Lunevicius R, Benhmida R, Singhal R, Balachandra S, Demirli Atıcı S, Jaunoo S, Dwerryhouse S, Boyce T, Charalampakis V, Kanakala V, Abbas Z, Nayar M; COVID PAN collaborative group. (2021) SARS-CoV-2 infection in acute pancreatitis increases disease severity and 30-day mortality: COVID PAN collaborative study. Gut, 70 (6), 1061-1069.

Park B, Barazanchi A, Rahiri JL, Xia W, Taneja A, Hill AG. (2021) Patient Experiences of the Emergency Laparotomy Pathway: A Qualitative Study. World J Surg, 45 (5), 1362-1369.

Park J, Le AK, Tseng TC, Yeh ML, Jun DW, Trinh H, Wong GLH, Chen CH, Peng CY, Kim SE, Oh H, Kwak MS, Cheung KS, Toyoda H, Hsu YC, Jeong JY, Yoon EL, Ungtrakul T, Zhang J, Xie Q, Ahn SB, Enomoto M, Shim JJ, Cunningham C, Jeong SW, Cho YK, Ogawa E, Huang R, Lee DH, Takahashi H, Tsai PC, Huang CF, Dai CY, Tseng CH, Yasuda S, Kozuka R, Li J, Wong C, Wong CC, Zhao C, Hoang J, Eguchi Y, Wu C, Tanaka Y, Gane E, Tanwandee T, Cheung R, Yuen MF, Lee HS, Yu ML, Kao JH, Yang HI, Nguyen MH. (2021) Progression Rates by Age, Sex, Treatment, and Disease Activity by AASLD and EASL

Criteria: Data for Precision Medicine. Clin Gastroenterol Hepatol, S1542-3565(21)00601-7.

Park SM, Brooks AE, Chen CJ, Sheppard HM, Loef EJ, McIntosh JD, Angel CE, Mansell CJ, Bartlett A, Cebon J, Birch NP, Dunbar PR. (2021) Migratory cues controlling B-lymphocyte trafficking in human lymph nodes. Immunol Cell Biol, 99 (1), 49-64.

Parke RL, Gilder E, Gillham MJ, Walker LJC, Bailey MJ, McGuinness SP; Fluids After Bypass Study Investigators. (2021) A Multicenter, Open-Label, Randomized Controlled Trial of a Conservative Fluid Management Strategy Compared With Usual Care in Participants After Cardiac Surgery: The Fluids After Bypass Study. Critical Care Medicine, 49 (3), 449-461

Paskaranandavadivel N, Lin AY, Cheng LK, Bissett I, Lowe A, Arkwright J, Mollaee S, Dinning PG, O'Grady G. (2021) ManoMap: an automated system for characterization of colonic propagating contractions recorded by high-resolution manometry. Med Biol Eng Comput, 59 (2), 417-429.

Paskaranandavadivel N, Varghese C, Lara J, Ramachandran S, Cheng L, Holobar A, Gharibans A, Bissett I, Collinson R, Stinear C, O'Grady G. (2021) A Novel High-Density Electromyography Probe for Evaluating Anorectal Neurophysiology: Design, Human Feasibility Study, and Validation with Trans-Sacral Magnetic Stimulation. Ann Biomed Eng, 49 (1), 502-514.

Patel SG, Buchanan CM, Mulroy E, Simpson M, Reid HA, Drake KM, Merriman ME, Phipps-Green A, Cadzow M, Merriman TR, Anderson NE, Child N, Barber PA, Roxburgh RH. (2021) Potential PINK1 Founder Effect in Polynesia Causing Early-Onset Parkinson's Disease. Movement Disorders, 36 (9), 2199-2200

Pei J, Cho Y, See YP, Pascoe EM, Viecelli AK, Francis RS, van Eps C, Isbel NM, Campbell SB, Clayton PA, Chapman J, Collins M, Lim W, Tang W, Wong G, Hawley CM, Johnson DW. (2021) Impact of deceased donor with acute kidney injury on subsequent kidney transplant outcomes-an ANZDATA registry analysis. PLoS One, 16 (3), e0249000.

Peiris-John R, Park CYM, Wells S, Kool B, Wise MR. (2021) Perineal trauma management and follow-up: Are we meeting the standard of care? Aust N Z J Obstet Gynaecol, 61 (1), 22-29.

Pellatt RAF, Kamona S, Chu K, Sweeny A, Kuan WS, Kinnear FB, Karamercan MA, Klim S, Wijeratne T, Graham CA, Body R, Roberts T, Horner D, Laribi S, Keijzers G, Kelly AM. (2021) The Headache in Emergency Departments study: Opioid prescribing in patients presenting with headache. A multicenter, cross-sectional, observational study. Headache, 61 (9), 1387-1402.

Penfold JA, Wells CI, Du P, Qian A, Vather R, Bissett IP, O'Grady G. (2021) Relationships between serum electrolyte concentrations and ileus: A joint clinical and mathematical modeling study. Physiol Rep, 9 (3), e14735.

Percival ME, Wang HL, Zhang MJ, Saber W, de Lima M, Litzow M, (...), Prestidge T, (...), Weisdorf D, Sandmaier BM. (2021) Impact of depth of clinical response on outcomes of acute myeloid leukemia patients in first complete remission who undergo allogeneic hematopoietic cell transplantation. Bone Marrow Transplant, 56 (9), 2108-2117.

Perera AI, Thomas MG, Petrie KJ, Frater J, Dang D, Schache KR, Akroyd AF, Ritchie SR. (2021) Reducing Expectations for Antibiotics in Patients With Upper Respiratory Tract Infections: A Primary Care Randomized Controlled Trial. Ann Fam Med, 19 (3), 232-239.

Perrin J, Ratnayake B, Wells C, Windsor JA, Loveday BPT, MacLennan N, Lindsay H, Pandanaboyana S. (2021) Epidural Versus Transabdominal Wall Catheters: A Comparative Study of Outcomes After Pancreatic Resection. J Surg Res, 259, 473-479.

Poindexter BB, Cormack BE, Bloomfield FH. (2021) Approaches to Growth Faltering. World Rev Nutr Diet, 122, 312-324.

Post CCB, de Boer SM, Powell ME, Mileshkin L, (...), Brooks S, (...), Putter H, Creutzberg CL. (2021) Long-Term Toxicity and Health-Related Quality of Life After Adjuvant Chemoradiation Therapy or Radiation Therapy Alone for High-Risk Endometrial Cancer in the Randomized PORTEC-3 Trial. Int J Radiat Oncol Biol Phys, 109 (4), 975-986.

Postier AC, Wolfe J, Hauser J, Remke SS, Baker JN, Kolste A, Dussel V, Bernadá M, Widger K, Rapoport A, Drake R, Chong PH, Friedrichsdorf SJ. (2021) Education in Palliative and End-of-Life Care-Pediatrics: Curriculum use and dissemination. J Pain Symptom Manage, S0885-3924(21)00657-6.

Poulsen RC, Hearn JI, Dalbeth N. (2021) The circadian clock: a central mediator of cartilage maintenance and osteoarthritis development? Rheumatology (Oxford), 60 (7), 3048-3057.

Power LC, Gusso S, Hornung TS, Jefferies C, Derraik JGB, Hofman PL, O'Grady GL. (2021) Exercise Cardiac Magnetic Resonance Imaging in Boys With Duchenne Muscular Dystrophy Without Cardiac Disease. Pediatr Neurol, 117, 35-43.

Prasad N, Read JM, Jewell C, Waite B, Trenholme AA, Huang QS, Grant CC, Newbern EC, Hogan AB. (2021) Modelling the impact of respiratory syncytial virus (RSV) vaccine and immunoprophylaxis strategies in New Zealand. Vaccine, 39 (31), 4383-4390.

Prasad N, Walker TA, Waite B, Wood T, Trenholme AA, Baker MG, McArthur C, Wong CA, Grant CC, Huang QS, Newbern EC. (2021) Respiratory Syncytial Virus-Associated Hospitalizations Among Adults With Chronic Medical Conditions. Clin Infect Dis, 73 (1), e158-e163.

Pylypchuk R, Wells S, Kerr A, Poppe K, Harwood M, Mehta S, Grey C, Wu BP, Selak V, Drury PL, Chan WC, Orr-Walker B, Murphy R, Mann J, Krebs JD, Zhao J, Jackson R. (2021) Cardiovascular risk prediction in type 2 diabetes before and after widespread screening: a derivation and validation study. Lancet, 397 (10291), 2264-2274.

Quirke FA, Healy P, Bhraonáin EN, Daly M, Biesty L, Hurley T, Walker K, Meher S, Haas DM, Bloomfield FH, Kirkham JJ, Molloy EJ, Devane D. (2021) COHESION: core outcomes in neonatal encephalopathy (protocol). Trials, 22 (1), 125.

Quirke FA, Healy P, Bhraonáin EN, Daly M, Biesty L, Hurley T, Walker K, Meher S, Haas DM, Bloomfield FH, Kirkham JJ, Molloy EJ, Devane D. (2021) Multi-Round compared to Real-Time Delphi for consensus in core outcome set (COS) development: a randomised trial. Trials, 22 (1), 142.

Rabbie R, Ferguson P, Wong K, Couturier DL, Moran U, Turner C, Emanuel P, Haas K, Saunus JM, Davidson MR, Lakhani SR, Shivalingam B, Long GV, Parkinson C, Osman I, Scolyer RA, Corrie P, Adams DJ. (2021) The mutational landscape of melanoma brain metastases presenting as the first visceral site of recurrence. British Journal of Cancer, 124 (1), 156-160.

Rahardja R, Love H, Clatworthy MG, Monk AP, Young SW. (2021) Higher Rate of Return to Preinjury Activity Levels After Anterior Cruciate Ligament Reconstruction With a Bone-Patellar Tendon-Bone Versus Hamstring Tendon Autograft in High-Activity Patients: Results From the New Zealand ACL Registry. Am J Sports Med, 49 (13), 3488-3494.

Rajasekaran V, Evans HM, Roberts AJ, Jefferies C. (2021) Multifocal cutaneous infantile haemangiomata: A multisystem disorder with persistent hypopituitarism. Journal of Paediatrics and Child Health, 57 (9), 1524-1527.

Ralph AP, Webb R, Moreland NJ, McGregor R, Bosco A, Broadhurst D, Lassmann T, Barnett TC, Benothman R, Yan J, Remenyi B, Bennett J, Wilson N, Mayo M, Pearson G, Kollmann T, Carapetis JR.

(2021) Searching for a technology-driven acute rheumatic fever test: the START study protocol. BMJ Open, 11 (9), e053720.

Ramachandran N, Schmiedel O, Vaghefi E, Hill S, Wilson G, Squirrell D. (2021) Evaluation of the prevalence of non-diabetic eye disease detected at first screen from a single region diabetic retinopathy screening program: a cross-sectional cohort study in Auckland, New Zealand. BMJ Open, 11 (12), e054225.

Ramsay DP, Quinn P, Gin V, Starkie TD, Fry RA, Grummitt S; Anaesthesia Quality Improvement New Zealand. (2021) National quality improvement indicators project: an initial descriptive study. Anaesth Intensive Care, 49 (6), 455-467.

Ranta A, Thompson S, Harwood MLN, Cadilhac DA, Barber PA, Davis AJ, Gommans JH, Fink JN, McNaughton HK, Denison H, Corbin M, Feigin V, Abernethy V, Levack W, Douwes J, Girvan J, Wilson A. (2021) Reducing Ethnic and Geographic Inequities to Optimise New Zealand Stroke Care (REGIONS Care): Protocol for a Nationwide Observational Study. JMIR Research Protocols, 10 (1), e25374.

Rapata MEJ, Meyer JJ. (2021) Evaluation of Online Information on Complementary and Alternative Treatments for Dry Eye Disease. Optom Vis Sci, Apr 1, 98 (4), 355-361.

Recordon JAF, Halanski MA, Boocock MG, McNair PJ, Stott NS, Crawford HA. (2021) A Prospective, Median 15-Year Comparison of Ponseti Casting and Surgical Treatment of Clubfoot. J Bone Joint Surg Am, 103 (21), 1986-1995.

Reid IR, Horne AM, Mihov B, Stewart A, Bolland MJ, Bastin S, Gamble GD. (2021) Predictors of Fracture in Older Women With Osteopenic Hip Bone Mineral Density Treated With Zoledronate. J Bone Miner Res, 36 (1), 61-66.

REMAP-CAP Investigators; ACTIV-4a Investigators; ATTACC Investigators incl. McGuinness SP, Parke RL, McArthur CJ (2021) Therapeutic Anticoagulation with Heparin in Critically Ill Patients with Covid-19. New England Journal of Medicine, 385 (9), 777-789.

REMAP-CAP Investigators, incl. McGuinness SP, Parke RL, McArthur CJ. (2021) Interleukin-6 Receptor Antagonists in Critically Ill Patients with Covid-19. New England Journal of Medicine, 384 (16), 1491-1502.

REMAP-CAP Investigators, incl. McGuinness SP, Parke RL. (2021) Therapeutic Anticoagulation with Heparin in Critically Ill Patients with Covid-19. New England Journal of Medicine, 385 (9), 777-789.

Ridley EJ, Davies AR, Bernard S, McArthur C, Murray L, Paul E, Trapani A, Cooper DJ; ANZICS Clinical Trials Group. (2021) Measured energy expenditure in mildly hypothermic critically ill patients with traumatic brain injury: A sub-study of a randomized controlled trial. Clin Nutr, 40 (6), 3875-3882.

Ritchie SR, Cutfield T, Lee A, Walter H, Gow R, Gammie T, Punnoose C, Nagarkar S, Thomas MG. (2021) The Impact of the Auckland Cellulitis Pathway on Length of Hospital Stay, Mortality Readmission Rate, and Antibiotic Stewardship. Clin Infect Dis, 73 (5), 859-865.

Rix-Trott K, Byrnes CA, Gilchrist CA, Matsas R, Walls T, Voss L, Mahon C, Dickson NP, Reed P, Best EJ. (2021) Surveillance of pediatric parapneumonic effusion/empyema in New Zealand. Pediatr Pulmonol, 56 (9), 2949-2957.

Robb TJ, Tse R, Blenkiron C. (2021) Reviving the Autopsy for Modern Cancer Evolution Research. Cancers (Basel), 13 (3), 409.

Roberts AJ, Day AS, Sinclair J, Dickson N, Porter J, Wellington G, Evans HM. (2021) Paediatric eosinophilic oesophagitis in New Zealand: A 3-year prospective study. Journal of Paediatrics and Child Health, 57 (2), 234-238.

Robinson J, Frey R, Boyd M, McLeod H, Meehan B, Gott M. (2021) InterRAI assessments: opportunities to recognise need for and implementation of palliative care interventions in the last year of life? Australas J Ageing, 40 (1), e22-e28.

Robinson PC, Dalbeth N, Donovan P. (2021) Cost-Effectiveness of Colchicine Prophylaxis for Gout Flares When Commencing Allopurinol. Arthritis Care Res (Hoboken), 73 (10), 1537-1543.

Robinson PC, Frampton C, Phipps-Green A, Neogi T, Stamp L, Taylor W, Merriman TR, Dalbeth N. (2021) Longitudinal development of incident gout from low-normal baseline serum urate concentrations: individual participant data analysis. BMC Rheumatol, 5 (1), 33.

Robinson TE, Boyd ML, North D, Wignall J, Dawe M, McQueen J, Frey RA, Raphael DL, Kerse N. (2021) Proactive primary care model for frail older people in New Zealand delays aged-residential care: A quasi-experiment. J Am Geriatr Soc, 69 (6), 1617-1626.

Roh J, Cheng H. (2021) Ultraviolet filter, fragrance and preservative allergens in New Zealand sunscreens. Australas J Dermatol, doi: 10.1111/ajd.13748.

Rose O, Moriarty R, Brown C, Teagle H, Neeff M. (2021) Vaccination rates in cochlear implant patients: a review of paediatric recipients. J Laryngol Otol, doi: 10.1017/S0022215121003133.

Rousseau G, Keijzers G, van Meer O, Craig S, Karamercan M, Klim S, Body R, Kuan WS, Harjola VP, Jones P, Verschuren F, Holdgate A, Christ M, Golea A, Capsec J, Barletta C, Graham CA, Garcia-Castrillo L, Laribi S, Kelly AM. (2021) Epidemiology, treatment and outcome of patients with lower respiratory tract infection presenting to emergency departments with dyspnoea (AANZDEM and EuroDEM studies). Emerg Med Australas, 33 (1), 58-66.

Rummey C, Flynn JM, Corben LA, Delatycki MB, Wilmot G, Subramony SH, Bushara K, Duquette A, Gomez CM, Hoyle JC, Roxburgh R, Seeberger L, Yoon G, Mathews KD, Zesiewicz T, Perlman S, Lynch DR. (2021) Scoliosis in Friedreich's ataxia: longitudinal characterization in a large heterogeneous cohort. Ann Clin Transl Neurol, 8 (6), 1239-1250.

Russell M, Mackay G, Hooshyari A, Meyer JA, O'Hagan L, Cranshaw I. (2021) Racial and ethnic differences in abdominal soft tissue sarcoma incidence in New Zealand: a retrospective audit. ANZ Journal of Surgery, Oct 26. doi: 10.1111/ans.17310.

Ryan AL, Burns C, Gupta AK, Samarasekera R, Ziegler DS, Kirby ML, Alvaro F, Downie P, Laughton SJ, Cross S, Hassall T, McCowage GB, Hansford JR, Kotecha RS, Gottardo NG. (2021) Malignant Melanoma in Children and Adolescents Treated in Pediatric Oncology Centers: An Australian and New Zealand Children's Oncology Group (ANZCHOG) Study. Front Oncol, 11, 660172.

Ryder B, Inbar-Feigenberg M, Glamuzina E, Halligan R, Vara R, Elliot A, Coman D, Minto T, Lewis K, Schiff M, Vijay S, Akroyd R, Thompson S, MacDonald A, Woodward AJM, Gribben JEL, Grunewald S, Belaramani K, Hall M, van der Haak N, Devanapalli B, Tolun AA, Wilson C, Bhattacharya K. (2021) New insights into carnitine-acylcarnitine translocase deficiency from 23 cases: Management challenges and potential therapeutic approaches. J Inherit Metab Dis, 44 (4), 903-915.

Saavedra C, Cheng H. (2021) Patient concerns about topical corticosteroids and impact on adherence. Australas J Dermatol, 62 (3), 419-421.

Sadler L, Anderson N, Crengle S, McCowan L. (2021) Reduction in perinatal mortality among small for gestational age babies in New Zealand. Aust N Z J Obstet Gynaecol, 61 (4), 505-512.

Samalia P, Hawley LJ, Niederer RL, Sims J. (2021) Review of de novo uveitis in older adults presenting to a large tertiary centre. British Journal of Ophthalmology, Feb 17, bjophthalmol-2020-318657.

Samalia P, Niederer R. (2021) Reversible BRAF inhibitor-induced acute exudative paraneoplastic polymorphous vitelliform maculopathy. New Zealand Medical Journal, 134 (1540), 89-92

Samalia P, Sims J, Niederer R. (2021) Necrotizing Syphilitic Scleritis: The Resurgence of Syphilis in New Zealand. Asia Pac J Ophthalmol (Phila), Jul 19, 10 (4), 417.

Samalia PD, Welch S, Polkinghorne PJ, Niederer RL. (2021) Endogenous Endophthalmitis: A 21-Year Review of Cases at a Tertiary Eye Care Centre. Ocul Immunol Inflamm, Apr 7, 1-6. doi: 10.1080/09273948.2021.1881564.

Sankaran SJ, Davidson J. (2021) Diagnosis and localization of parathyroid adenomas using 16-slice SPECT/CT: A clinicopathological correlation. J Med Imaging Radiat Oncol, doi: 10.1111/1754-9485.13330.

Sanz JH, Anixt J, Bear L, Basken A, Beca J, Marino BS, Mussatto KA, Nembhard WN, Sadhwani A, Sananes R, Shekerdemian LS, Sood E, Uzark K, Willen E, Ilardi D. (2021) Characterisation of neurodevelopmental and psychological outcomes in CHD: a research agenda and recommendations from the cardiac neurodevelopmental outcome collaborative. Cardiol Young, 31 (6), 876-887.

Sapsford S, Cheng H, Judd L. (2021) Patch testing in New Zealand: Barriers to evidence-based care. Australas J Dermatol, 62 (1), 47-50.

Saraf R, Jensen BP, Camargo CA Jr, Morton SMB, Jing M, Sies CW, Grant CC. (2021) Vitamin D status at birth and acute respiratory infection hospitalisation during infancy. Paediatr Perinat Epidemiol, 35 (5), 540-548.

Satokar VV, Cutfield WS, Cameron-Smith D, Albert BB. (2021) Omega-3 fats in pregnancy: could a targeted approach lead to better metabolic health for children? Nutr Rev, 79 (5), 574-584.

Schunk SJ, Kleber ME, März W, Pang S, Zewinger S, Triem S, Ege P, Reichert MC, Krawczyk M, Weber SN, Jaumann I, Schmit D, Sarakpi T, Wagenpfeil S, Kramann R, Boerwinkle E, Ballantyne CM, Grove ML, Tragante V, Pilbrow AP, Richards AM, Cameron VA, Doughty RN, Dubé MP, Tardif JC, Feroz-Zada Y, Sun M, Liu C, Ko YA, Quyyumi AA, Hartiala JA, Tang WHW, Hazen SL, Allayee H, McDonough CW, Gong Y, Cooper-DeHoff RM, Johnson JA, Scholz M, Teren A, Burkhardt R, Martinsson A, Smith JG, Wallentin L, James SK, Eriksson N, White H, Held C, Waterworth D, Trompet S, Jukema JW, Ford I, Stott DJ, Sattar N, Cresci S, Spertus JA, Campbell H, Tierling S, Walter J, Ampofo E, Niemeyer BA, Lipp P, Schunkert H, Böhm M, Koenig W, Fliser D, Laufs U, Speer T; eQTLGen consortium; BIOS consortium. (2021) Genetically determined NLRP3 inflammasome activation associates with systemic inflammation and cardiovascular mortality. European Heart Journal, 42 (18), 1742-1756.

Schwartz GG, Gabriel Steg P, Bhatt DL, Bittner VA, Diaz R, Goodman SG, Jukema JW, Kim YU, Li QH, Manvelian G, Pordy R, Sourdille T, White HD, Szarek M; ODYSSEY OUTCOMES Committees and Investigators. (2021) Clinical Efficacy and Safety of Alirocumab After Acute Coronary Syndrome According to Achieved Level of Low-Density Lipoprotein Cholesterol: A Propensity Score-Matched Analysis of the ODYSSEY OUTCOMES Trial. Circulation, 143 (11), 1109-1122

Schwartz GG, Szarek M, Bittner VA, Bhatt DL, Diaz R, Goodman SG, Jukema JW, Loy M, Manvelian G, Pordy R, White HD, Steg PG; ODYSSEY OUTCOMES Committees and Investigators. (2021) Relation of Lipoprotein(a) Levels to Incident Type 2 Diabetes and Modification by Alirocumab Treatment. Diabetes Care, 44 (5), 1219-1227.

Schwartz GG, Szarek M, Bittner VA, Diaz R, Goodman SG, Jukema JW, Landmesser U, López-Jaramillo P, Manvelian G, Pordy R, Scemama M, Sinnaeve PR, White HD, Gabriel Steg P; ODYSSEY Outcomes Committees and Investigators. (2021) Lipoprotein(a) and Benefit of PCSK9 Inhibition in Patients With Nominally Controlled LDL Cholesterol. Journal of the American College of Cardiology, 78 (5), 421-433.

Scordo M, Wang TP, Ahn KW, Chen Y, Ahmed S, Awan FT, Beitinjaneh A, Chen A, Chow VA, Dholaria B, Epperla N, Farooq U, Ghosh N, Grover N, Hamad N, Hildebrandt GC, Holmberg L, Hong S, Inwards DJ, Jimenez-Jimenez A, Karmali R, Kenkre VP, Khimani F, Klyuchnikov E, Krem MM, Munshi PN, Nieto Y, Prestidge T, Ramakrishnan Geethakumari P, Rezvani AR, Riedell PA, Seo S, Shah NN, Solh M, Yared JA, Kharfan-Dabaja MA, Herrera A, Hamadani M, Sauter CS. (2021) Outcomes Associated With Thiotepa-Based Conditioning in Patients With Primary Central Nervous System Lymphoma After Autologous Hematopoietic Cell Transplant. JAMA Oncol, 7 (7), 993-1003.

Scott G, Gong J, Kirkpatrick C, Jones P. (2021) Systematic review and meta-analysis of oral paracetamol versus combination oral analgesics for acute musculoskeletal injuries. Emerg Med Australas, 33 (1), 107-113.

Seine AJ, Baird EA, Chan L, Davis A, Greig D, Judd LE, Mahon C, Oakley A, Rademaker M, Reiche L, Stanway AD, Cheng HS. (2021) A baseline patch test series for New Zealand. Australas J Dermatol, 62 (4), 489-495.

Seo SHB, Bissett I, O'Grady G. (2021) Variable Gut Function Recovery After Right vs. Left Colectomy May Be Due to Rectosigmoid Hyperactivity. Front Physiol, 12, 635167. doi: 10.3389/fphys.2021.635167.

Seo SHB, Carson DA, Bhat S, Varghese C, Wells CI, Bissett IP, O'Grady G. (2021) Prolonged postoperative ileus following right- versus left-sided colectomy: A systematic review and meta-analysis. Colorectal Dis, 23 (12), 3113-3122.

Serlachius A, Boggiss A, Lim D, Schache K, Wallace-Boyd K, Brenton-Peters J, Buttenshaw E, Chadd S, Cavadino A, Cao N, Morunga E, Thabrew H. (2021) Pilot study of a well-being app to support New Zealand young people during the COVID-19 pandemic. Internet Interv, 26, 100464.

Sessler DI, Short TG. (2021) Intraoperative Hypotension and Complications. Journal of the American College of Cardiology, 78 (18), 1765-1767

Shah PS, Norman M, Rusconi F, Kusuda S, Reichman B, Battin M, Bassler D, Modi N, Hakansson S, Yang J, Lee SK, Helenius K, Vento M, Lehtonen L, Adams M, Isayama T, Lui K, Gagliardi L; International Network for Evaluating Outcomes of Neonates (iNeo) Investigators. (2021) Five-minute Apgar score and outcomes in neonates of 24-28 weeks' gestation. Arch Dis Child Fetal Neonatal Ed, fetalneonatal-2021-322230.

Sharma N, Watkins OC, Chu AHY, Cutfield W, Godfrey KM, Yong HEJ, Chan SY. (2021) Myo-inositol: a potential prophylaxis against premature onset of labour and preterm birth. Nutr Res Rev, Sep 16, 1-9.

Sharma VJ, Iyengar AJ, Zannino D, Gentles T, Justo R, Celermajer DS, Bullock A, Winlaw D, Wheaton G, Burchill L, Cordina R, d'Udekem Y. (2021) Protein-losing enteropathy and plastic bronchitis after the Fontan procedure. J Thorac Cardiovasc Surg, 161 (6), 2158-2165.e4.

Shehabi Y, Serpa Neto A, Howe BD, Bellomo R, Arabi YM, Bailey M, Bass FE, Kadiman SB, McArthur CJ, Reade MC, Seppelt IM, Takala J, Wise MP, Webb SA; SPICE III Study Investigators. (2021) Early sedation with dexmedetomidine in ventilated critically ill patients and heterogeneity of treatment effect in the SPICE III randomised controlled trial. Intensive Care Medicine, 47 (4), 455-466.

Shome A, Mugisho OO, Niederer RL, Rupenthal ID. (2021) Blocking the inflammasome: A novel approach to treat uveitis. Drug Discov Today, 26 (12), 2839-2857.

Sibbin K, Yap P, Nyaga D, Heller R, Evans S, Strachan K, Alburaiky S, Nguyen HMA, Hermann-Le Denmat S, Ganley ARD, O'Sullivan JM, Bloomfield FH. (2021) A de novo ACTB gene pathogenic variant in identical twins with phenotypic variation for hydrops and jejunal atresia. Am J Med Genet A, doi: 10.1002/ajmg.a.62631.

Sidebotham D, Popovich I, Lumley T. (2021) A Bayesian analysis of mortality outcomes in multicentre clinical trials in critical care. Br J Anaesth, 127 (3), 487-494.

Signal DM, Jefferies CA. (2021) Familial immunoglobulin superfamily member 1 deficiency as a cause of isolated congenital central hypothyroidism. Journal of Paediatrics and Child Health, 57 (7), 1129-1132.

Singh N, Kim H, Haydock DA. (2021) Isolated Tricuspid Valve Surgery: the Auckland Experience 2011-2019. Heart Lung Circ, S1443-9506(21)01287-7.

Siva S, Bressel M, Mai T, Le H, Vinod S, de Silva H, Macdonald S, Skala M, Hardcastle N, Rezo A, Pryor D, Gill S, Higgs B, Wagenfuehr K, Montgomery R, Awad R, Chesson B, Eade T, Wong W, Sasso G, De Abreu Lourenco R, Kron T, Ball D, Neeson P; Stereotactic Ablative Fractionated Radiotherapy Versus Radiosurgery for Oligometastatic Neoplasia to the Lung (SAFRON) II Study Investigators. (2021) Single-Fraction vs Multifraction Stereotactic Ablative Body Radiotherapy for Pulmonary Oligometastases (SAFRON II): The Trans Tasman Radiation Oncology Group 13.01 Phase 2 Randomized Clinical Trial. JAMA Oncol, 7 (10), 1476-1485.

Skrifvars MB, Bailey M, Moore E, Mårtensson J, French C, Presneill J, Nichol A, Little L, Duranteau J, Huet O, Haddad S, Arabi YM, McArthur C, Cooper DJ, Bendel S, Bellomo R; Erythropoietin in Traumatic Brain Injury (EPO-TBI) Investigators and the Australian and New Zealand Intensive Care Society (ANZICS) Clinical Trials Group. (2021) A Post Hoc Analysis of Osmotherapy Use in the Erythropoietin in Traumatic Brain Injury Study-Associations With Acute Kidney Injury and Mortality. Critical Care Medicine, 49 (4), e394-e403.

Sluyter JD, Scragg R, 'Ofanoa M, Stewart RAH. (2021) Atrial fibrillation detection in primary care during blood pressure measurements and using a smartphone cardiac monitor. Sci Rep, 11 (1), 17721.

Slykerman RF, Jenner E, Tsui K, Laughton S. (2021) Neuropsychological assessment of paediatric brain tumour survivors: Factors associated with assessment. Journal of Paediatrics and Child Health, 57 (10), 1612-1616.

Slykerman RF, Li E, Shackleton N, Milne BJ. (2021) Birth by caesarean section and educational achievement in adolescents. Aust N Z J Obstet Gynaecol, 61 (3), 386-393.

Smith JR, Matthews JM, Conrad D, Hall AJ, Niederer RL, Singh-Grewal D, Tay-Kearney ML, Wells JM, Zagora SL; Australian and New Zealand Juvenile Idiopathic Arthritis-Uveitis Working Group, McCluskey PJ. (2021) Recommendations for the management of childhood juvenile idiopathic arthritis-type chronic anterior uveitis. Clin Exp Ophthalmol, 49 (1), 38-45.

Son CN, Cai K, Stewart S, Ferrier J, Billington K, Tsai YJ, Bardin T, Horne A, Stamp LK, Doyle A, Dalbeth N. (2021) Development of a radiographic scoring system for new bone formation in gout. Arthritis Res Ther, 23 (1), 296.

Son CN, Stewart S, Su I, Mihov B, Gamble G, Dalbeth N. (2021) Global patterns of treat-to-serum urate target care for gout: Systematic review and meta-analysis. Semin Arthritis Rheum, 51 (4), 677-684.

Sprute R, Salmanton-García J, Sal E, Malaj X, Ráčil Z, Ruiz de Alegría Puig C, Falces-Romero I, Barać A, Desoubeaux G, Kindo AJ, Morris AJ, Pelletier R, Steinmann J, Thompson GR, Cornely OA, Seidel D, Stemler J; FungiScope® ECMM/ISHAM Working Group. (2021) Invasive infections with Purpureocillium lilacinum: clinical characteristics and outcome of 101 cases from FungiScope® and the literature. J Antimicrob Chemother, 76 (6), 1593-1603.

Stanton, J. (2021) Debate: The role of inpatient units is to support community care. Child Adolesc Ment Health, 26 (2), 184-185.

St Clair SL, Harding JE, O'Sullivan JM, Gamble GD, Alsweiler JM, Vatanen T; hPOD Study Group. (2021) Effect of prophylactic dextrose gel on the neonatal gut microbiome. Arch Dis Child Fetal Neonatal Ed, doi: 10.1136/archdischild-2021-322757.

Stewart RAH, Jones P, Dicker B, Jiang Y, Smith T, Swain A, Kerr A, Scott T, Smyth D, Ranchord A, Edmond J, Than M, Webster M, White HD, Devlin G. (2021) High flow oxygen and risk of mortality in patients with a suspected acute coronary syndrome: pragmatic, cluster randomised, crossover trial. BMJ, 372:n355. doi: 10.1136/bmj.n355.

Stewart S, Dalbeth N, Gaffo A. (2021) The challenge of gout flare measurement. Best Pract Res Clin Rheumatol, 35 (4), 101716.

Stockler MR, Martin AJ, Davis ID, Dhillon HM, Begbie SD, Chi KN, Chowdhury S, Coskinas X, Frydenberg M, Hague WE, Horvath LG, Joshua AM, Lawrence NJ, (...), Winter DG, Yip S, Zhang AY, Zielinski RR, Sweeney CJ; ENZAMET Trial Investigators and the Australian and New Zealand Urogenital and Prostate Cancer Trials Group (ANZUP). (2021) Health-Related Quality of Life in Metastatic, Hormone-Sensitive Prostate Cancer: ENZAMET (ANZUP 1304), an International, Randomized Phase III Trial Led by ANZUP. J Clin Oncol, JCO2100941.

Strong A, O'Grady G, Shih E, Bishop JR, Loomes K, Diamond T, Hartung EA, Wong W, Cuddapah S, Cahill AM, Hou C, Slater D, Vaccaro C, Watson D, Li D, Hakonarson H. (2021) A new syndrome of moyamoya disease, kidney dysplasia, aminotransferase elevation, and skin disease associated with de novo variants in RNF213. Am J Med Genet A, 185 (7), 2168-2174.

Styles S, Wheeler B, Boucsein A, Crocket H, de Lange M, Signal D, Wiltshire E, Cunningham V, Lala A, Cutfield W, de Bock M, Serlachius A, Jefferies C. (2021) A comparison of FreeStyle Libre 2 to self-monitoring of blood glucose in children with type 1 diabetes and sub-optimal glycaemic control: a 12-week randomised controlled trial protocol. J Diabetes Metab Disord, 20 (2), 2093-2101.

Su C, Tang Y, Shen F, Kang M, Groom K, Wise M, Chamley L, Chen Q. (2021) Placental extracellular vesicles retain biological activity after short-term storage (14 days) at 4 °C or room temperature. Placenta, 115, 115-120.

Sundborn G, Thornley S, Grey C, Gentles D, Jackson RT, Swinburn B, Veatupu L, Lang B. (2021) Gamification and Sugar: A School-Based Pilot Study of Social Marketing and Gamification Approaches to Reduce Sugary Drink Intake in Pasifika School Students. Asia Pac J Public Health, 33 (6-7), 727-733.

Sweeney CJ, Martin AJ, Stockler MR, Begbie S, Chi KN, Chowdhury S, Coskinas X, Frydenberg M, Hague WE, Horvath LG, Joshua AM, Lawrence NJ, Marx GM, McCaffrey J, McDermott R, McJannett M, North SA, Parnis F, Parulekar W, Pook DW, Reaume MN, Sandhu SK, Tan A, Tan TH, Thomson A, Tu E, Vera-Badillo F, Williams SG, Yip S, Zhang AY, Zielinski RR, Davis ID; ENZAMET Trial Investigators and the Australian and New Zealand Urogenital and Prostate Cancer Trials Group (ANZUP). (2021) Overall Survival of Men with Metachronous Metastatic Hormone-sensitive Prostate Cancer Treated with Enzalutamide and Androgen Deprivation Therapy. Eur Urol, 80 (3), 275-279.

Sykes PH, Simcock BJ, Innes CR, Harker D, Williman JA, Whitehead M, van der Griend RA, Lawton BA, Hibma M, Fitzgerald P, Dudley NM, Petrich S, Eva L, Bergzoll C, Kathuria J, McPherson G, Tristram A, Faherty J, Hardie D, Robertson A, Robertson V, Pather S, Wrede CD, Gastrell F, Fentiman G, John M, White E, Parker C, Sadler L. (2021) Predicting regression of cervical intraepithelial neoplasia grade 2 in women under 25 years. Am J Obstet Gynecol, S0002-9378(21)01006-1.

Tang Y, Groom K, Chamley L, Chen Q. (2021) Melatonin, a Potential Therapeutic Agent for Preeclampsia, Reduces the Extrusion of Toxic Extracellular Vesicles from Preeclamptic Placentae. Cells, 10 (8), 1904

Tavender E, Ballard DW, Wilson A, Borland ML, Oakley E, Cotterell E, Wilson CL, Ring J, Dalziel SR, Babl FE; Paediatric Research in Emergency Departments International Collaborative (PREDICT). (2021) Review article: Developing the Australian and New Zealand Guideline for Mild to Moderate Head Injuries in Children: An adoption/adaption approach. Emergency Medicine Australasia, 33 (2), 195-201.

Tay ML, McGlashan SR, Monk AP, Young SW. (2021) Revision indications for medial unicompartmental knee arthroplasty: a systematic review. Arch Orthop Trauma Surg, doi: 10.1007/s00402-021-03827-x.

Tay WT, Teng TK, Simon O, Ouwerkerk W, Tromp J, Doughty RN, Richards AM, Hung CL, Qin Y, Aung T, Anand I, Lam CSP; ASIANβHF Investigators. (2021) Readmissions, Death and Its Associated Predictors in Heart Failure With Preserved Versus Reduced Ejection Fraction. J Am Heart Assoc, 10 (22), e021414.

Taylor DA, Wallis KA, Feki S, Moala SS, Latu M, Fanueli EF, Saravanakumar P, Wells S. (2021) Cardiovascular disease risk prediction in older people: a qualitative study. Br J Gen Pract, 71 (711), e772-e779.

Taylor LJ, Eggleston MJ, Thabrew H, van der Meer L, Waddington H, Whitehouse AJ, Evans K. (2021) An investigation of adherence to best practice guidelines for autism diagnosis in New Zealand. Autism, 25 (7), 2087-2100.

Taylor W, Dalbeth N, Saag KG, Singh JA, Rahn EJ, (...), Fana V, Sivera F, Gaffo AL. (2021) Flare Rate Thresholds for Patient Assessment of Disease Activity States in Gout. Journal of Rheumatology, 48 (2), 293-298.

Tchervenkov CI, Herbst C, Jacobs JP, Al-Halees Z, Edwin F, Dearani JA, Finucane K, (...), Zhang H, Zheleva B, Jonas RA. (2021) Current Status of Training and Certification for Congenital Heart Surgery Around the World: Proceedings of the Meetings of the Global Council on Education for Congenital Heart Surgery of the World Society for Pediatric and Congenital Heart Surgery. World J Pediatr Congenit Heart Surg, 12 (3), 394-405.

Tedeschi SK, Pascart T, Latourte A, Godsave C, Kundakci B, Naden RP, Taylor WJ, Dalbeth N, (...), So A, Stamp LK, Yinh J, Yokose C, Terkeltaub R, Choi H, Abhishek A. (2021) Identifying potential classification criteria for calcium pyrophosphate deposition disease (CPPD): Item generation and item reduction. Arthritis Care Res (Hoboken), 10.1002/acr.24619.

Tenbensel T, Jones P, Chalmers L, Ameratunga S, Carswell P. (2021) If Gaming is the Problem, Is "Complexity Thinking" the Answer? A Response to the Recent Commentaries. Int J Health Policy Manag, 10 (6), 354-355.

Thavanesan N, Van Der Werf B, Shafi A, Kennedy C, O'Grady G, Loveday B, Pandanaboyana S. (2021) Clinical factors associated with successful embolization of lower gastrointestinal bleeding. ANZ J Surg, 91 (10), 2097-2105.

Theadom A, Rodrigues M, Ranta A, Poke G, Love D, Jones K, Ao BT, Hammond-Tooke G, Parmar P, O'Grady G, Roxburgh R; MDPrev Research Group. (2021) Impact and predictors of quality of life in adults diagnosed with a genetic muscle disorder: a nationwide population-based study. Qual Life Res, doi: 10.1007/s11136-021-03046-2.

Thieme L, Briggs S, Duffy E, Makarewicz O, Pletz MW. (2021) In Vitro Synergism of Penicillin and Ceftriaxone against Enterococcus faecalis. Microorganisms, 9 (10), 2150.

Thompson JMD, Ayrey SL, Slykerman RF, Stone PR, Fowler PV. (2021) Behavioral Outcomes in Children With an Orofacial Cleft in a National Study in New Zealand. Cleft Palate Craniofac J, 58 (8), 1032-1039.

Thompson JMD, Ayrey SL, Slykerman RF, Stone PR, Fowler PV. (2021) Quality of Life Using General Population Validated Questionnaires in Children With Cleft Lip and/or Palate in New Zealand. Cleft Palate Craniofac J, 58 (6), 779-786.

Thompson JMD, Slykerman RF, Wall CR, Murphy R, Mitchell EA, Waldie KE. (2021) Factor structure of the SDQ and longitudinal associations from pre-school to pre-teen in New Zealand. PLoS One, 16 (3), e0247932.

Thompson KJ, Young PJ, Venkatesh B, Cohen J, Finfer SR, Grattan S, Hammond NE, Jan S, Li Q, Di Tanna GL, McArthur C, Myburgh J, Rajbhandari D, Taylor CB. (2021) Long-term costs and cost-effectiveness of adjunctive corticosteroids for patients with septic shock in New Zealand. Aust Crit Care, S1036-7314(21)00072-2.

Thornley S, Bach K, Bird A, Farrar R, Bronte S, Turton B, Atatoa Carr P, Fa'alili-Fidow J, Morton S, Grant C. (2021) What factors are associated with early childhood dental caries? A longitudinal study of the Growing Up in New Zealand cohort. Int J Paediatr Dent, 31 (3), 351-360.

Tian CJ, Purvis D, Cheng HS. (2021) Granular parakeratosis secondary to benzalkonium chloride exposure from common household laundry rinse aids. New Zealand Medical Journal, 134 (1534), 128-142.

Tikka SK, Parial S, Lahiri D, Prakash C, Chandra PS; CAn Study Group Collaborators. (2021) Development and Validation of a Scale to Measure Anxiety Specific to Pregnancy During the COVID-19 Pandemic: The Antenatal COVID-19 Anxiety Scale. Prim Care Companion CNS Disord, 23 (6), 21m03038.

Tikka SK, Parial S, Pattojoshi A, Bagadia A, Prakash C, Lahiri D, Jaiswal J, Puri M, Kukreti P, Behera RN, Agrawal S, Garg S, Dubey S, Gupta V, Bajaj A, Agrawal A, Singour C, Patel G, Maghade M, Purushotham A, Pany SK, Saurabh, Doria S, Tejan V, Chandra PS. (2021) Anxiety among pregnant women during the COVID-19 pandemic in India - A multicentric study. Asian J Psychiatr, 66:102880.

Toh KHQ, Barazanchi A, Rajaretnam NS, Tan J, Linton T, Murray M, Fagan P, Koea J. (2021) COVID-19 response by New Zealand general surgical departments in tertiary metropolitan hospitals. ANZ J Surg, 91 (7-8), 1352-1357.

Tomasdottir M, Held C, Hadziosmanovic N, Westerbergh J, Lindbäck J, Aylward PE, Budaj A, Cannon CP, Engdahl J, Granger CB, Koenig W, Manolis AJ, Oldgren J, Stewart RAH, Svennberg E, Vinereanu D, White HD, Siegbahn A, Wallentin L, Hijazi Z. (2021) Risk markers of incident atrial fibrillation in patients with coronary heart disease. American Heart Journal, 233, 92-101.

Topless RKG, Major TJ, Florez JC, Hirschhorn JN, Cadzow M, Dalbeth N, Stamp LK, Wilcox PL, Reynolds RJ, Cole JB, Merriman TR. (2021) The comparative effect of exposure to various risk factors on the risk of hyperuricaemia: diet has a weak causal effect. Arthritis Res Ther, 23 (1), 75.

Tottman AC, Oliver CJ, Alsweiler JM, Cormack BE. (2021) Do preterm girls need different nutrition to preterm boys? Sex-specific nutrition for the preterm infant. Pediatr Res, 89 (2), 313-317.

Traschütz A, Reich S, Adarmes AD, Anheim M, Ashrafi MR, (...), Roxburgh RH, Santorelli FM, Schirinzi T, Sival DA, Timmann D, Vielhaber S, Wallner M, van de Warrenburg BP, Zanni G, Zuchner S, Klockgether T, Schüle R, Schöls L; PREPARE Consortium, Synofzik M. (2021) The ARCA Registry: A Collaborative Global Platform for Advancing Trial Readiness in Autosomal Recessive Cerebellar Ataxias. Front Neurol, 12, 677551.

Trenholme A, Webb R, Lawrence S, Arrol S, Taylor S, Ameratunga S, Byrnes CA. (2021) COVID-19 and Infant Hospitalizations for Seasonal Respiratory Virus Infections, New Zealand, 2020. Emerg Infect Dis, 27 (2), 641-643.

Trollip JC, Meyer JJ, McGhee CNJ, Liu K, Danesh-Meyer HV,

Niederer RL. (2021) Ethylenediaminetetraacetic Acid Chelation in Herpes Zoster Ophthalmicus Is Associated With a High Rate of Corneal Melt and Perforation. Cornea, 40 (3), 277-281.

Tse R, Ioelu L, Chen M, McCarthy S, Glenn C, Kesha K, Morrow P, Stables S. (2021) A 5-Year Retrospective Study on Infant Homicide Presenting as Cot Death: Are We Missing Infant Homicides? Am J Forensic Med Pathol, 42 (4), 324-327.

Tse R, Morrow P, Sage M, Stables S. (2021) Targeted and minimally invasive post-mortem examination with total body computed tomography not recommended in New Zealand. Forensic Sci Med Pathol, 17 (2), 373-374.

Tuck NL, Khuvtsagaan B, Rashid U, Aamir T, Goucke R, Regjii B, Dorjbal EA, Lundeg G, Bean DJ. (2021) The Adaptation of Pain Assessment Tools from High-Income to Low- and Middle-Income Countries: Psychometric Properties of a Set of Chronic Pain Questionnaires in Mongolian and New Zealand Patient Samples. Pain Med, 22 (4), 948-960.

Tuohy JF, Bloomfield FH, Crowther CA, Harding JE. (2021) Maternal and neonatal glycaemic control after antenatal corticosteroid administration in women with diabetes in pregnancy: A retrospective cohort study. PLoS One, 16 (2), e0246175.

Uhlig T, Eskild T, Karoliussen LF, Sexton J, Kvien TK, Haavardsholm EA, Dalbeth N, Hammer HB. (2021) Two-year reduction of dual-energy CT urate depositions during a treat-to-target strategy in gout in the NOR-Gout longitudinal study. Rheumatology (Oxford), 2021 Jul 10;keab533.

Vaghefi E, Shon C, Reading S, Sutherland T, Borges V, Phillips G, Niederer RL, Danesh-Meyer H. (2021) Intraocular pressure fluctuation during resistance exercise. BMJ Open Ophthalmol, 6 (1), e000723.

Vaghefi E, Yang S, Xie L, Hill S, Schmiedel O, Murphy R, Squirrell D. (2021) THEIA™ development, and testing of artificial intelligence-based primary triage of diabetic retinopathy screening images in New Zealand. Diabet Med, 38 (4), e14386. doi: 10.1111/dme.14386.

Vergaro G, Gentile F, Meems LMG, Aimo A, Januzzi JL Jr, Richards AM, Lam CSP, (...), Doughty RN, Devlin G, Lund M, Giannoni A, Passino C, de Boer RA, Emdin M. (2021) NT-proBNP for Risk Prediction in Heart Failure: Identification of Optimal Cutoffs Across Body Mass Index Categories. JACC Heart Fail, 9 (9), 653-663.

Waddell LB, Bryen SJ, Cummings BB, Bournazos A, Evesson FJ, Joshi H, Marshall JL, Tukiainen T, Valkanas E, Weisburd B, Sadedin S, Davis MR, Faiz F, Gooding R, Sandaradura SA, O'Grady GL, Tchan MC, Mowat DR, Oates EC, Farrar MA, Sampaio H, Ma A, Neas K, Wang MX, Charlton A, Chan C, Kenwright DN, Graf N, Arbuckle S, Clarke NF, MacArthur DG, Jones KJ, Lek M, Cooper ST. (2021) WGS and RNA Studies Diagnose Noncoding DMD Variants in Males With High Creatine Kinase. Neurol Genet, 7 (1), e554.

Wagner J, Yuen L, Littlejohn M, Sozzi V, Jackson K, Suri V, Tan S, Feierbach B, Gaggar A, Marcellin P, Buti Ferret M, Janssen HLA, Gane E, Chan HLY, Colledge D, Rosenberg G, Bayliss J, Howden BP, Locarnini SA, Wong D, Thompson AT, Revill PA. (2021) Analysis of Hepatitis B Virus Haplotype Diversity Detects Striking Sequence Conservation Across Genotypes and Chronic Disease Phase. Hepatology, 73 (5), 1652-1670.

Wakeman C, Civil I. (2021) Why are there still regional differences in the way we deliver trauma care in New Zealand? New Zealand Medical Journal, 134 (1531), 8-10.

Walker K, Honan B, Haustead D, Mountain D, Gangathimmaiah V, Forero R, Mitchell R, Martini E, Tesch G, Bissett I, Jones P. (2021) Review article: Have emergency department time-based targets influenced patient care? A systematic review of qualitative literature. Emerg Med Australas, 33 (2), 202-213.

Wallace A, Sinclair O, Shepherd M, Neutze J, Trenholme A, Tan E, Brabyn C, Bonisch M, Grey N, Johnson DW, McNamara D, Thompson JMD, Asher I, Dalziel SR. (2021) Impact of oral corticosteroids on respiratory outcomes in acute preschool wheeze: a randomised clinical trial. Archives of Disease in Childhood, 106 (4), 339-344.

Wallentin L, Eriksson N, Olszowka M, Grammer TB, Hagström E, Held C, Kleber ME, Koenig W, März W, Stewart RAH, White HD, Åberg M, Siegbahn A. (2021) Plasma proteins associated with cardiovascular death in patients with chronic coronary heart disease: A retrospective study. PLoS Med, 18 (1), e1003513.

Wang A, Karunasinghe N, Plank LD, Zhu S, Osborne S, Brown C, Bishop K, Schwass T, Tijono S, Holmes M, Masters J, Huang R, Keven C, Ferguson LR, Lawrenson R. (2021) Effect of androgen deprivation therapy on serum levels of sclerostin, Dickkopf-1, and osteoprotegerin: a cross-sectional and longitudinal analysis. Sci Rep, 11 (1), 14905.

Wang H, Stewart S, Darlow B, Horgan B, Hosie G, Clark J, Dalbeth N. (2021) Patient research partner involvement in rheumatology clinical trials: analysis of journal articles 2016-2020. Ann Rheum Dis, annrheumdis-2021-220138.

Waqanivavalagi SWFR, Chaudhuri K. (2021) A case of a retained chest drain. J Surg Case Rep, (3): rjab049.

Waters S, Swanson MEV, Dieriks BV, Zhang YB, Grimsey NL, Murray HC, Turner C, Waldvogel HJ, Faull RLM, An J, Bowser R, Curtis MA, Dragunow M, Scotter E. (2021) Blood-spinal cord barrier leakage is independent of motor neuron pathology in ALS. Acta Neuropathol Commun, 9 (1), 144.

Webb SA, Higgins AM, McArthur CJ. (2021) Glucocorticoid Dose in COVID-19: Lessons for Clinical Trials During a Pandemic. JAMA, 326 (18), 1801-1802.

Webster CS, Taylor S, Weller JM. (2021) Cognitive biases in diagnosis and decision making during anaesthesia and intensive care. BJA Educ, 21 (11), 420-425.

Wei J, Zhang Y, Dalbeth N, Terkeltaub R, Yang T, Wang Y, Yang Z, Li J, Wu Z, Zeng C, Lei G. (2021) Association between gut microbiota and elevated serum urate in two independent cohorts. Arthritis Rheumatol, doi: 10.1002/art.42009.

Weinberg L, Collins MG, Peyton P. (2021) Urine the Right Direction: The Consensus Statement From the Committee on Transplant Anesthesia of the American Society of Anesthesiologists on Fluid Management During Kidney Transplantation. Transplantation, 105 (8), 1655-1657.

Weiss SL, Balamuth F, Long E, Thompson GC, Hayes KL, Katcoff H, Cook M, Tsemberis E, Hickey CP, Williams A, Williamson-Urquhart S, Borland ML, Dalziel SR, Gelbart B, Freedman SB, Babl FE, Huang J, Kuppermann N; Pragmatic Pediatric Trial of Balanced Versus Normal Saline Fluid in Sepsis (PRoMPT BOLUS) Investigators of the PECARN, PERC, and PREDICT Networks. (2021) PRagMatic Pediatric Trial of Balanced vs nOrmaL Saline FlUid in Sepsis: study protocol for the PRoMPT BOLUS randomized interventional trial. Trials, 22 (1), 776.

Welch R, Francis A, Babbage T, Lardenoye M, Kolbe J, Ellyett K. (2021) Quantifying tidal expiratory flow limitation using a vector-based analysis technique. Physiol Meas, doi: 10.1088/1361-6579/ac3f96.

Welch R, Kolbe J, Lardenoye M, Ellyett K. (2021) Novel application of Poincaré analysis to detect and quantify exercise oscillatory ventilation. Physiol Meas, 42 (4). doi: 10.1088/1361-6579/abf05d.

Welch S, Bhikoo R, Wang N, Siemerink MJ, Shew W, Polkinghorne PJ, Niederer RL. (2021) Better visual outcome associated with early vitrectomy in the management of endophthalmitis. British Journal of Ophthalmology, doi: 10.1136/bjophthalmol-2020-316846.

Weller JM, Coomber T, Chen Y, Castanelli DJ. (2021) Key

dimensions of innovations in workplace-based assessment for postgraduate medical education: a scoping review. British Journal of Anaesthesia, 127 (5), 689-703.

Weller JM, Webster CS. (2021) Normalising good communication in hospital teams. British Journal of Anaesthesia, 126 (4), 758-760.

Wells CI, Bhat S, Paskaranandavadivel N, Lin AY, Vather R, Varghese C, Penfold JA, Rowbotham D, Dinning PG, Bissett IP, O'Grady G. (2021) Potential causes of the preoperative increase in the rectosigmoid cyclic motor pattern: A high-resolution manometry study. Physiol Rep, 9 (22), e15091.

Wells CI, Milne TGE, Seo SHB, Chapman SJ, Vather R, Bissett IP, O'Grady G. (2021) Post-operative ileus: definitions, mechanisms and controversies. ANZ J Surg, doi: 10.1111/ans.17297.

Wells CI, Paskaranandavadivel N, Du P, Penfold JA, Gharibans A, Bissett IP, O'Grady G. (2021) A novel mechanism for acute colonic pseudo-obstruction revealed by high-resolution manometry: A case report. Physiol Rep, 9 (13), e14950.

Weststrate H, Ronaldson J, Yonge G, Dickens A, Erickson R, Wong W, Prestidge C. (2021) Barriers to pre-emptive kidney transplantation in New Zealand children. Journal of Paediatrics and Child Health, 57 (9), 1490-1497.

Whalen S, Shaw M, Mignot C, Héron D, Bastaraud SC, Walti CC, Liebelt J, Elmslie F, Yap P, Hurst J, Forsythe E, Kirmse B, Ozmore J, Spinelli AM, Calabrese O, de Villemeur TB, Tabet AC, Levy J, Guet A, Kossorotoff M, Kamien B, Morton J, McCabe A, Brischoux-Boucher E, Raas-Rothschild A, Pini A, Carroll R, Hartley JN; Care4Rare Canada Consortium, Frosk P, Slavotinek A, Truxal K, Jennifer C, Dheedene A, Cui H, Kumar V, Thomson G, Riccardi F, Gecz J, Villard L. (2021) Further delineation of BCAP31-linked intellectual disability: description of 17 new families with LoF and missense variants. Eur J Hum Genet, 29 (9), 1405-1417.

Whitcombe AL, McGregor R, Craigie A, James A, Charlewood R, Lorenz N, Dickson JM, Sheen CR, Koch B, Fox-Lewis S, McAuliffe G, Roberts SA, Morpeth SC, Taylor S, Webb RH, Jack S, Upton A, Ussher JE, Moreland NJ. (2021) Comprehensive analysis of SARS-CoV-2 antibody dynamics in New Zealand. Clin Transl Immunology, 10(3), e1261.

Whitlock RP, Belley-Cote EP, Paparella D, Healey JS, Brady K, Sharma M, Reents W, Budera P, Baddour AJ, Fila P, Devereaux PJ, Bogachev-Prokophiev A, Boening A, Teoh KHT, Tagarakis GI, Slaughter MS, Royse AG, McGuinness S, Alings M, Punjabi PP, Mazer CD, Folkeringa RJ, Colli A, Avezum Á, Nakamya J, Balasubramanian K, Vincent J, Voisine P, Lamy A, Yusuf S, Connolly SJ; LAAOS III Investigators. (2021) Left Atrial Appendage Occlusion during Cardiac Surgery to Prevent Stroke. New England Journal of Medicine, 384 (22), 2081-2091

White HD. (2021) Cardiac death should be the primary endpoint for revascularization trials and meta-analyses. European Heart Journal, 42 (45), 4697-4698.

White HD, O'Brien SM, Alexander KP, Boden WE, Bangalore S, Li J, Manjunath CN, Lopez-Sendon JL, Peteiro J, Gosselin G, Berger JS, Maggioni AP, Reynolds HR, Hochman JS, Maron DJ. (2021) Comparison of Days Alive Out of Hospital With Initial Invasive vs Conservative Management: A Prespecified Analysis of the ISCHEMIA Trial. JAMA Cardiol, 6 (9), 1023-1031.

White HD, Schwartz GG, Szarek M, Bhatt DL, Bittner VA, Chiang CE, Diaz R, Goodman SG, Jukema JW, Loy M, Pagidipati N, Pordy R, Ristić AD, Zeiher AM, Wojdyla DM, Steg PG; ODYSSEY OUTCOMES Investigators. (2021) Alirocumab after acute coronary syndrome in patients with a history of heart failure. European Heart Journal, ehab804.

White HD, Steg PG, Schwartz GG. (2021) Myocardial Infarction and Evolocumab. JAMA Cardiol, 6 (10), 1220-1221.

Whop LJ, Smith MA, Butler TL, Adcock A, Bartholomew K, Goodman MT, Winer RL, Milosevic E, Lawton B. (2021) Achieving cervical cancer elimination among Indigenous women. Prev Med, 144, 106314.

Wieduwilt MJ, Stock W, Advani A, Luger S, Larson RA, Tallman M, Appelbaum F, Zhang MJ, Bo-Subait K, Wang HL, Bhatt VR, Dholaria B, Eapen M, Hamadani M, Jamy O, Prestidge T, Pulsipher M, Ritchie D, Rizzieri D, Sharma A, Barba P, Sandmaier BM, de Lima M, Kebriaei P, Litzow M, Saber W, Weisdorf D. Superior survival with pediatric-style chemotherapy compared to myeloablative allogeneic hematopoietic cell transplantation in older adolescents and young adults with Ph-negative acute lymphoblastic leukemia in first complete remission: analysis from CALGB 10403 and the CIBMTR. Leukemia, 35 (7), 2076-2085.

Wijayaratna S, Lee A, Park HY, Jo E, Wu F, Bagg W, Cundy T. (2021) Socioeconomic status and risk factors for complications in young people with type 1 or type 2 diabetes: a cross-sectional study. BMJ Open Diabetes Res Care, 9 (2), e002485.

Wild CEK, Rawiri NT, Cormack DM, Willing EJ, Hofman PL, Anderson YC. (2021) A Collaborative Indigenous-non-Indigenous Partnership Approach to Understanding Participant Experiences of a Community-Based Healthy Lifestyles Program. Qual Health Res, 31 (8), 1404-1411.

Wild CE, Rawiri NT, Willing EJ, Hofman PL, Anderson YC. (2021) Challenges of making healthy lifestyle changes for families in Aotearoa/New Zealand. Public Health Nutr, 24 (7), 1906-1915.

Wild CE, Rawiri N, Willing EJ, Hofman PL, Anderson YC. (2021) Health system barriers to accessing care for children with weight issues in New Zealand: An interview-based study. J Health Serv Res Policy, 26 (4), 234-241.

Wild CEK, Wynter LE, Triggs CM, Derraik JGB, Hofman PL, Anderson YC. (2021) Five-year follow-up of a family-based multidisciplinary program for children with obesity. Obesity (Silver Spring), 29 (9), 1458-1468.

Williams SA, Alzaher W, Mackey A, Hogan A, Battin M, Sorhage A, Stott NS. (2021) "It Should Have Been Given Sooner, and We Should Not Have to Fight for It": A Mixed-Methods Study of the Experience of Diagnosis and Early Management of Cerebral Palsy. J Clin Med, 10 (7), 1398.

Williams SA, Bell M, Kim HK, Salim Al Masruri G, Stott NS, Fernandez J, Mirjalili SA. (2021) The reliability and validity of triceps surae muscle volume assessment using freehand three-dimensional ultrasound in typically developing infants. Journal of Anatomy, doi: 10.1111/joa.13565.

Williams SA, Mackey A, Sorhage A, Battin M, Wilson N, Spittle A, Stott NS. (2021) Clinical practice of health professionals working in early detection for infants with or at risk of cerebral palsy across New Zealand. Journal of Paediatrics and Child Health, 57 (4), 541-547.

Williams SA, Stott NS, Valentine J, Elliott C, Reid SL. (2021) Measuring skeletal muscle morphology and architecture with imaging modalities in children with cerebral palsy: a scoping review. Dev Med Child Neurol, 63 (3), 263-273.

Wilson BC, Butler ÉM, Grigg CP, Derraik JGB, Chiavaroli V, Walker N, Thampi S, Creagh C, Reynolds AJ, Vatanen T, O'Sullivan JM, Cutfield WS. (2021) Oral administration of maternal vaginal microbes at birth to restore gut microbiome development in infants born by caesarean section: A pilot randomised placebo-controlled trial. EBioMedicine, 69, 103443.

Wilson BC, Vatanen T, Jayasinghe TN, Leong KSW, Derraik JGB, Albert BB, Chiavaroli V, Svirskis DM, Beck KL, Conlon CA, Jiang Y, Schierding W, Holland DJ, Cutfield WS, O'Sullivan JM. (2021) Strain engraftment competition and functional augmentation in a multi-donor fecal microbiota transplantation trial for obesity. Microbiome, 9 (1), 107.

Wilson GA, Cheyne K, Ramrakha S, Ambler A, Tan GS, Caspi A, Williams B, Sugden K, Houts R, Niederer RL, Wong TY, Moffitt TE, Poulton R. (2021) Are macular drusen in midlife a marker of accelerated biological ageing? Clin Exp Optom, Dec 13, 1-6. doi: 10.1080/08164622.2021.2012428.

Winter-Smith J, Selak V, Harwood M, Ameratunga S, Grey C. (2021) Cardiovascular disease and its management among Pacific people: a systematic review by ethnicity and place of birth. BMC Cardiovasc Disord, 21 (1), 515.

Wong SS, Oshansky CM, Guo XJ, Ralston J, Wood T, Reynolds GE, Seeds R, Jelley L, Waite B, Jeevan T, Zanin M, Widdowson MA, Huang QS, Thomas PG, Webby RJ; SHIVERS Investigation Team. (2021) Activated CD4 + T cells and CD14 hi CD16 + monocytes correlate with antibody response following influenza virus infection in humans. Cell Rep Med, 2 (4), 100237.

Wong YHS, Wong G, Johnson DW, McDonald S, Clayton P, Boudville N, Viecelli AK, Lok C, Pilmore H, Hawley C, Roberts MA, Walker R, Ooi E, Polkinghorne KR, Lim WH. (2021) Socio-economic disparity, access to care and patient-relevant outcomes after kidney allograft failure. Transpl Int, 34 (11), 2329-2340.

Woodfield MJ, Brodd I, Hetrick SE. (2021) Time-Out with Young Children: A Parent-Child Interaction Therapy (PCIT) Practitioner Review. Int J Environ Res Public Health, 19 (1), 145.

Woodfield MJ, Cargo T, Merry SN, Hetrick SE. (2021) Barriers to Clinician Implementation of Parent-Child Interaction Therapy (PCIT) in New Zealand and Australia: What Role for Time-Out? Int J Environ Res Public Health, 18 (24), 13116.

Woolf Z, Swanson MEV, Smyth LC, Mee EW, Schweder P, Heppner P, Kim BJH, Turner C, Oldfield RL, Curtis MA, Faull RLM, Scotter EL, Park TI, Dragunow M. (2021) Single-cell image analysis reveals a protective role for microglia in glioblastoma. Neurooncol Adv, 3 (1), vdab031.

Woon ST, Mayes J, Quach A, Longhurst H, Ferrante A, Ameratunga R. (2021) Droplet digital PCR for identifying copy number variations in patients with primary immunodeficiency disorders. Clin Exp Immunol, uxab034. doi: 10.1093/cei/uxab034.

Woronkowicz M, Niederer R, Lightman S, Tomkins-Netzer O. (2021) Intravitreal anti-vascular endothelial growth factor treatment for inflammatory choroidal neovascularization in non-infectious uveitis. American Journal of Ophthalmology, Jul, S0002-9394(21)00376-7.

Writing Committee for the REMAP-CAP Investigators, incl. McGuinness S, Parke R, McArthur C. (2021) Effect of Convalescent Plasma on Organ Support-Free Days in Critically Ill Patients With COVID-19: A Randomized Clinical Trial. 326 (17), 1690-1702.

Wu TY, Myall D, Palmer D, Beharry J, Lim JY, Mason DF, Reimers J, Duncan R, Weaver J, Collecutt W, Mouthaan P, Lim A, Hurrell MA, Barber PA, Ranta A, Fink JN, Le Heron C. (2021) Increased Large Vessel Occlusive Strokes After the Christchurch March 15, 2019, Terror Attack. 10.1212/WNL.0000000000011341.

Wu ZE, Fraser K, Kruger MC, Sequeira IR, Yip W, Lu LW, Plank LD, Murphy R, Cooper GJS, Martin JC, Hollingsworth KG, Poppitt SD. (2021) Untargeted metabolomics reveals plasma metabolites predictive of ectopic fat in pancreas and liver as assessed by magnetic resonance imaging: the TOFI_Asia study. Int J Obes (Lond), 45 (8), 1844-1854.

Xu W, Gharibans AA, Bissett IP, O'Grady G, Wells CI, Areia C, Biggs C, Santos M, Thurley N, Gerry S, Tarassenko L, Watkinson P, Vollam S. (2021) Continuous wireless postoperative monitoring using wearable devices: further device innovation is needed. Crit Care, 25 (1), 394.

Xu W, Prime Z, Papchenko T, Danesh-Meyer HV. (2021) Long term outcomes of idiopathic intracranial hypertension: Observational study and literature review. Clin Neurol Neurosurg, 205, 106463.

Yeon J, Oakley A, Olsson A, Drummond C, Veysey E, Marshman G, Saunders H, Opie J, Bradford J, Cole J, DeAmbrosis K, Cook K, Pepall L, Eva LJ, Sladden M, Selva-Nayagam P, Phillips R, Ball S, Hill S, Bohl T, Day T, Lee G, Fischer G. (2021) Vulval lichen sclerosus: An Australasian management consensus. Australas J Dermatol, 62 (3), 292-299.

Yeung JHY, Palpagama TH, Wood OWG, Turner C, Waldvogel HJ, Faull RLM, Kwakowsky A. (2021) EAAT2 Expression in the Hippocampus, Subiculum, Entorhinal Cortex and Superior Temporal Gyrus in Alzheimer's Disease. Front Cell Neurosci, 15:702824.

Yeung JHY, Walby JL, Palpagama TH, Turner C, Waldvogel HJ, Faull RLM, Kwakowsky A. (2021) Glutamatergic receptor expression changes in the Alzheimer's disease hippocampus and entorhinal cortex. Brain Pathol, 31 (6), e13005.

Yin T, Jeong JH, Hardcastle TF, Biswas K, Douglas RG. (2021) A scoping review of longitudinal airway microbiota studies. Expert Rev Respir Med, 15 (9), 1187-1195.

Yong VTY, Kilfoyle D, Hutchinson D, Rodrigues M, Roxburgh R, Pelosi L. (2021) Heterogeneity of nerve ultrasound findings in mitochondrial disorders. Clin Neurophysiol, 132 (2), 507-509.

Yuan JN, Zhang JW, Cutfield WS, Dong GP, Jiang YJ, Wu W, Huang K, Chen XC, Zheng Y, Liu BH, Derraik JGB, Fu JF. (2021) Surrogate markers and predictors of endogenous insulin secretion in children and adolescents with type 1 diabetes. World J Pediatr, 17 (1), 99-105.

Yuen MF, Zhou X, Gane E, Schwabe C, Tanwandee T, Feng S, Jin Y, Triyatni M, Lemenuel-Diot A, Cosson V, Xue Z, Kazma R, Bo Q. (2021) Safety, pharmacokinetics, and antiviral activity of RO7049389, a core protein allosteric modulator, in patients with chronic hepatitis B virus infection: a multicentre, randomised, placebo-controlled, phase 1 trial. Lancet Gastroenterol Hepatol, 6 (9), 723-732.

Young-Zvandasara T, Brunner D, Welch S, Sims JL, De Souza C, Cunningham WJ, Niederer RL. (2021) Rhegmatogenous retinal detachment presentation and surgery in uveitic eyes. Br J Ophthalmol, Jul 29, bjophthalmol-2021-319268.

Zacharin M, Lim A, Gryllakis J, Siafarikas A, Jefferies C, Briody J, Heather N, Pitkin J, Emmanuel J, Lee KJ, Wang X, Simm PJ, Munns CF. (2021) Randomized Controlled Trial Evaluating the Use of Zoledronic Acid in Duchenne Muscular Dystrophy. Journal of Clinical Endocrinology and Metabolism, 106 (8), 2328-2342.

Zhao D, Quill GM, Gilbert K, Wang VY, Houle HC, Legget ME, Ruygrok PN, Doughty RN, Pedrosa J, D'hooge J, Young AA, Nash MP. (2021) Systematic Comparison of Left Ventricular Geometry Between 3D-Echocardiography and Cardiac Magnetic Resonance Imaging. Front Cardiovasc Med, 8, 728205.

Zhong CS, Beharry J, Salazar D, Smith K, Withington S, Campbell BCV, Wilson D, Le Heron C, Mason D, Duncan R, Reimers J, Mein-Smith F, Diprose WK, Barber PA, Ranta A, Fink JN, Wu TY. (2021) Routine Use of Tenecteplase for Thrombolysis in Acute Ischemic Stroke. Stroke, 52 (3), 1087-1090.

Zhu MF, Kim K, Cavadino A, Coleman B, Munro JT, Young SW. (2021) Success Rates of Debridement, Antibiotics, and Implant Retention in 230 Infected Total Knee Arthroplasties: Implications for Classification of

Periprosthetic Joint Infection. J Arthroplasty, 36 (1), 305-310.e1.

Ziad F, Robertson T, Watts MR, Copeland J, Chiu G, Wang D, Stark D, Graham L, Turner C, Newbury R. (2021) Fatal disseminated Anncaliia algerae myositis mimicking polymyositis in an immunocompromised patient. Neuromuscul Disord, 31 (9), 877-880.

Ziaei M, Yoon JJ, Vellara HR, Gokul A, Meyer JJ, Thakur SS, McGhee CN, Patel DV. (2021) Prospective one year study of corneal biomechanical changes following high intensity, accelerated cornea cross-linking in patients with keratoconus using a non-contact tonometer. Eur J Ophthalmol, 11206721211069740.

Zuckerman SL, Yengo-Kahn AM, Tang AR, Bailes JE, Beauchamp K, Berger MS, Bonfield CM, Camarata PJ, Cantu RC, Davis GA, Ellenbogen RG, Ellis MJ, Feuer H, Guazzo E, Harris OA, Heppner P, Honeybul S, Manley G, Maroon JC, Miele VJ, Nahed BV, Okonkwo DO, Oppenlander ME, Petty J, Sabin HI, Samadani U, Sherburn EW, Sheridan M, Tator CH, Theodore N, Timmons SD, Woodworth GF, Solomon GS, Sills AK. (2021) Sport-Related Structural Brain Injury and Return to Play: Systematic Review and Expert Insight. Neurosurgery, 88 (6), E495-E504.

Zwirner J, Anders S, Bohnert S, Burkhardt R, Da Broi U, Hammer N, Pohlers D, Tse R, Ondruschka B. (2021) Screening for Fatal Traumatic Brain Injuries in Cerebrospinal Fluid Using Blood-Validated CK and CK-MB Immunoassays. Biomolecules, 11 (7), 1061.

Zwirner J, Bohnert S, Franke H, Garland J, Hammer N, Möbius D, Tse R, Ondruschka B. (2021) Assessing Protein Biomarkers to Detect Lethal Acute Traumatic Brain Injuries in Cerebrospinal Fluid. Biomolecules, 11 (11), 1577.

Zwirner J, Lier J, Franke H, Hammer N, Matschke J, Trautz F, Tse R, Ondruschka B. (2021) GFAP positivity in neurons following traumatic brain injuries. Int J Legal Med, 135 (6), 2323-2333.