

Annual Medical Student Research Conference 2023

Welcome

5:00 PM		Registration, poster viewing, refreshments
5:40 PM	Student Convenors Isaac, Ben, Nikita, Dhaval	Opening remarks and Acknowledgment of Country
5:50 PM	Guest speaker Professor Nalini Pather BMedSci (Hons), MMedSci (cum laude), GCULT, PhD	<i>Curiosity: the fuel to life's journey</i>
6:00 PM	Kyleigh Kriener	Preserving haptic fidelity: how cadaveric preservation methods affect the biomechanical properties of abdominal wall tissues
	Venkata Paruchuri	Application of derivative analysis in right bundle branch block EKGs
	Johnson Khor	Mapping integrated electronic medical record (ieMR) data to standardized drug vocabularies using the Observational Medical Outcomes Partnership (OMOP) Common Data Model
	Alexander Smith (by video)	Immobilization-associated hypercalcemia in patients with malignancy in the hospital setting: a cohort study
	Bryn Rubin (by video)	Relationship between socioeconomic status and depression in patients with multiple sclerosis
6:25 PM	Keynote speaker Associate Professor Helen Benham MBBS(Hons), B.App.Sci(Pod), FRACP, PhD	<i>A clinical, research, governance, and management journey</i>
6:35 PM	Andrew Su	A spatial cellular atlas of stage III colorectal cancers
	Raushan Lala	Traffic jams and lifesaving routes: understanding the microcirculation in trauma
	Aaron Lerch	The efficacy of post-operative drains for anterior cervical discectomy and fusion: a systematic review and meta-analysis
	Matilda Ingram	The barriers to offering non-pharmacological pain management as an initial option for laboring women: A review of the literature
	Samuel Walters	Erratic tacrolimus levels at 6-12 months post lung transplant predicts poor outcomes
7:00 PM	Professor Di Eley	Closing remarks and voting for Oral Presentation People's Choice award
7:10 PM	Refreshments and poster viewing	Voting for Poster People's Choice Award
7:45 PM	Awards and Prizes	Presentation of all prizes

We are grateful for support provided from our generous sponsors.



Medicine



Posters displayed at the conference

Mark Anderson	Chronic disease risk after brain injury: a retrospective review of Australian paediatric patient weight outcomes
Kayla Baker	Bridging the gap: Training students to advance an artificial intelligence model as a solution for standardizing nasal cavity landmarks among otolaryngologists
Muyun Cao	College with chronic illness- studying coping methods of students with Multiple Sclerosis
Richard Dunlop	A systematic review of predictive accuracy via c-statistic of preoperative frailty tests for extended length of stay, post-operative complications, and mortality
Jae Ermer	Physical Activity and Well-being in Health Profession Students (PAWHPS)
Kirby Fahy	Evolution of antimicrobial resistance in Mycobacterium abscessus isolated from drinking water
Shaun Foo	Internet-based programs to support tobacco cessation: a systematic review and meta-analyses of randomised controlled trials
Nicole Ann Gunn	Single-cell analysis of the stromal cells of neuroblastoma
Yihan Guo	Immune response after rabies pre-exposure prophylaxis and a booster dose in Australian bat carers
Ahmed Hafeez-Baig	signal analysis of atrial flutter EKGs using the discrete fourier transform
Jessica Hopgood	Factors influencing decisions to becoming a supervisor: a qualitative study of early career general practitioners and rural generalists.
Bridget Hunt-Tobey	Differential regulation of FGF23 production and cleavage by iron and EPO in anemic mice
Karmveer Kaur	Irreversible visual loss with erenumab in a patient with Behcet's Disease
Sungkyung Linda Kim	A scoping review of First Nations data governance approaches applied in research using routinely collected health data and step towards The DIFFERENCE Project
A-Jin Jennifer Kim	Systematic review on the resting state fMRI in Parkinson's disease and cognitive impairment
Kelly Kossen	Use of the alcohol screening tool, CAGE, as a proxy for sexually transmitted disease in the preventative health encounter
Kundanika Lakkadi	Longitudinal impact of physical exercise on patient and medical student wellbeing
Amanda Lucas	Effectiveness of telehealth intervention in the management of high weight pregnancy
Mallory Luke	Assessing changes in the mechanosensitivity of primary dissociated dorsal root ganglion sensory neurons with the chemotherapeutic drug paclitaxel
Aditya Manuel	Determining the efficacy of nutrient supplementation and diet in age-related macular degeneration patient outcomes: a systematic review
Serena Mathew	Developing a CD371 targeting CAR T-Cell therapy for acute myeloid leukemia
Levi Matthews	Audit of transfusion rates in children with cerebral palsy following pelvic surgery, comparing groups with and without administration of tranexamic acid #1
Michael Mullen	Endothelial Glycocalyx Shedding During Shock and Resuscitation is Independent of Tissue Injury in a Porcine Shock Model
Cailem Murray Boyle	Queensland Adult Deterioration Detection System observation chart efficiency in detecting patient deterioration: A retrospective case-control study
Emily Omahen	Hypophosphataemia in geriatric patients after iron polymaltose infusion: a single-centre retrospective audit
Dhaval Patel	An examination of the maturity argument in medicine
Jemima Po	The neuromuscular effects of exoskeleton assistance on balance depend on task difficulty
Christian Potter	Correlation of nylon suture size and force needed to tear through an artificial skin model: preliminary results
Isaac Rad	Response surface methodology demonstrates improved efficiency and accuracy compared to 'one factor at a time' experimental designs when used to optimise echogenic liposome formulations for ultrasound-mediated posterior ocular drug delivery.
Abdul Rahim	Utility of advanced visualization in intracerebral arteriovenous malformation management
Georgia Santomartino	Perinatal predictors of clinical instability at birth in late-preterm and term infants
Max Shteiman	Improving routine patient care by analysing qualitative patient data in hospital settings
A Solgi	The hair-sparing approach versus the traditional hair clipping for cerebral spinal fluid (CSF) shunting procedures: a retrospective comparative study
Ajay Tupil	Subcutaneous daratumumab with bortezomib, cyclophosphamide, and dexamethasone in patients with newly diagnosed light chain (AL) amyloidosis: 18-month analysis of the phase 3 ANDROMEDA study
Bhargav Venkatraghavan	Accelerated rehabilitation facilitated through a novel technique for arthroscopic biceps tenodesis without implants: a case series of 45 patients with a two-year minimum clinical follow-up.
Tian Xie	Aptamer regulated transcription for In-vitro detection and signal processing of Interferon gamma

Conference Committee: Isaac Rad, Ben Cai, Nikita Rosendahl, Dhaval Patel, Anna Efstathiadou, Isaac Akefe, Di Eley