

# EMERGENCY CARE RESEARCH SYMPOSIUM 2024

**MAY 23 - 24 2024**

EMBEDDING RESEARCH INTO CLINICAL PRACTICE



GCHHS EMERGENCY CARE RESEARCH GROUP



## Excellence in Nursing and Midwifery

The School of Nursing and Midwifery at Griffith University has a long-established reputation for high quality research that has practical benefits to individuals, the community and society.

Griffith University School of Nursing and Midwifery has ranked #1 in Australia and #2 in the world on the Shanghai Global Rankings by Academic Subjects 2020- 2022 and is widely recognised for the supervision provided to Higher Degree Research Students undertaking PhDs of Master of Philosophy degrees.

### Key Research Strengths:

- Acute and Critical Care
- Aging and Older People
- Chronic Conditions and End of Life Care
- Health Education
- Infection Prevention and Control
- Mass Gatherings and Disaster Health
- Neonatal Care
- Maternity Care
- Paediatrics and Child Health
- Patient Safety
- Vulnerable Populations in Emergency Care
- Wiser Wound Care



[Griffith.edu.au/nursing-midwifery-research](https://Griffith.edu.au/nursing-midwifery-research)

**Make it matter**

# SYMPOSIUM PROGRAM

DAY ONE, THURSDAY 23RD MAY 2024

9:00 AM

## Morning Session



### Welcome and Opening

Professor Gerben Keijzers, GCHHS and  
Professor Ann Bonner, Griffith University

### Keynote Presentation

Professor Diana Egerton-Warburton

Topic: It Might Not Be Rocket Science, But It Does Take Implementation Science!  
About: It's an inconvenient truth that 30% of healthcare in part represents low value and 10% causes patient harm. Studies have demonstrated that 72% of patients receive no change of care regardless of testing results. iREDUCE NUTs will use implementation science to reduce unhelpful care starting with pathology tests. This will increase the health system's capacity to deliver helpful care. Professor Egerton-Warburton will provide examples and previous implementation research that has achieved these outcomes sustainably.



### Ultrasound Focus

Mr Andrew Bulmer

Topic: A sonographic evaluation of intravenous antibiotic administration through peripheral intravenous catheters in the emergency department: A pilot prospective cohort study

About: This study sought to generate preliminary data regarding the impact of i.v. antibiotic administration through a peripheral venous catheter on superficial venous thrombosis in patients diagnosed with cellulitis. The results indicate that administration of i.v. flucloxacillin is associated with larger catheter associated thrombi, when compared to a group of control patients, not receiving flucloxacillin.



Mr Jonathan Vico Da Silva

Topic: Cancer and Blood Disorders Patients' experience and perspectives of Intravenous cannulation (CAPTIV)

About: Cancer and Blood Disorder (CBD) patients are among a population of patients that require frequent peripheral intravenous catheter (PIVC) insertions. The CAPTIV study will aim to explore CBD patients' experience surrounding PIVC insertion and management and ascertain their suggestions for service improvement by conducting in-depth interviews.



Day one continues to next page...



# SYMPOSIUM PROGRAM

DAY ONE, THURSDAY 23RD MAY 2024



Ms Amy Sweeny

Topic: Intravenous access in the paediatric emergency department: a prospective cohort study

About: Although a common procedure, peripheral intravenous catheter (PIVC) insertion can be difficult and painful for children. This presentation discusses child, proceduralist, environmental, and situational predictors of difficult cannulation in children.

## Insightful session

Dr Laetitia Hattingh and Associate Professor Julia Crilly OAM

Topic: Consumer Engagement



Medical Indemnity Protection Society  
3 minute sponsor talk

11:00 AM

## Morning Tea Break

11:30 AM

## Middle Session

### Invited Speaker

Dr Elyssia Bourke

Topic: PEACHY-O: Pharmacological Emergency management of Agitation in Children and Young People a randomised controlled trial of Oral medication

About: Acute severe behavioural disturbance is an increasing challenge in the paediatric population in the Emergency Department. Currently, the best oral medication to use to assist with behavioural control when medication is required is not known. PEACHY-O compared two common medications – olanzapine and diazepam – to determine which worked better for this patient population.



### Paediatric Focus

Associate Professor Shane George

Topic: Paediatric Research Studies – Kids THRIVE, FEISTY Junior and RAPIDs



Ms Brooke Charters

Topic: PRECARE – Paediatric Reduction in Emergency Cannula Accidental Removal

About: 1 in 4 peripheral intravenous cannulas fail before treatment completion in paediatrics due to micromovement and accidental dislodgement that can be attributed to paediatric nuances, such as unpredictable movements and age. With a strong interest as a Paediatric Emergency Nurse to reduce this the outcomes and steps to achieve this will be delivered.



Day one continues to next page...



# SYMPOSIUM PROGRAM

DAY ONE, THURSDAY 23RD MAY 2024



Griffith University School of Nursing and Midwifery  
5 minute sponsor talk

1:00 PM

Lunch Break

1:30 PM

Afternoon Session



**Vulnerable Populations Focus**

Dr Elizabeth (EJ) Marsden

Topic: Can we safely care for our vulnerable older patients in their place of residence who are suffering from acute injuries and illnesses?

About: Emergency Departments are continuing to experience growth in older person presentations. Government level strategies to address this demand include care closer to home. Are ED substitution outreach models of care a safe alternative?



Dr Ya-Ling Huang

Topic: Clinicians' experiences and perspectives on broader cultural and social influences in care delivery to culturally and linguistically diverse patients who present to the emergency department.

About: Australia has one of the largest culturally and linguistically diverse (CALD) populations with different cultural values and beliefs. The delivery of health service to people from CALD backgrounds can become challenging for clinicians in the emergency department because of the complexity of cultural, social and language factors.

**Education and Simulation Focus**

**Keynote Presentation**

Professor Victoria Brazil



Topic: What can simulation offer healthcare research and researchers?

About: Healthcare simulation is established as an educational method, but its use in supporting healthcare research is less well understood. Simulated environments can support the design and testing of clinical equipment, cognitive aids, and research protocols. Well-designed simulations can help explore human performance in healthcare environments – e.g. research on stress, wearing PPE and team function. In this session, we'll explore these applications of healthcare simulation, and reflect on how this might better connect research with simulation-based quality improvement.

Day one continues to next page...

# SYMPOSIUM PROGRAM

DAY ONE, THURSDAY 23RD MAY 2024

1:30 PM

## Education and Simulation Focus Continues



Mr Darren McLean

Topic: High performance teamwork by design: The Tugun Minor Injuries and Illness Clinic

About: Opening new healthcare facilities is challenging, with risks to patient safety and quality. We supported the opening of the Tugun Minor Injuries and Illness Clinic through a series of interventions deliberately targeted at enhancing effective teamwork. In this talk, Darren will outline how excellent teamwork can happen by design not by accident and why this should be an aspirational goal for all services within our organisation.



Dr Alex El Kheir

Topic: Faculty development for translational simulation (and the confessions of a postpositivist)

About: What do we need to know to effectively deliver translational simulation? And how should we go about developing this skillset? A review of current practice in translational simulation faculty development.

### Panel discussion

Tips and tricks for being successful in research funding with Emergency Medicine Foundation Research Manager Angie Nguyen Vu, A/Prof. Jaimi Greenslade, QAS Principle Research Manager Kerrienne Watt and A/Prof. Shane George

4:15 PM

## Closing

5:00 PM  
8:00 PM

## Networking and Cocktail Event

Held at The Aviary Rooftop Bar

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**References:** 1. Pentrox® (methoxyflurane) Approved Product Information. October 2023. 2. Coffey F, et al. *Emerg Med J*. 2014;31(8):613-618. 3. Australia and New Zealand College of Anaesthetists (ANZCA). PG09 Guidelines on Procedural Sedation 2022. 4. Nguyen NQ, et al. *Endosc Int Open*. 2016;4(11):E1171-E1177.

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# SYMPOSIUM PROGRAM

DAY TWO, FRIDAY 24TH MAY 2024

9:00 AM

## Morning Session



**Welcome and Opening**  
Professor Julia Crilly OAM

### Invited Speaker

Dr Colin Banks

Topic: Suspected Pulmonary Embolism Exclusion with D-dimers in Emergency Departments (SPEED-ED)

About: PE imaging rates have multiplied over the years without affecting mortality, prompting a concern that we are over investigating. SPEED-ED is a Queensland study that aims to show that raising the D-dimer threshold can safely reduce imaging rates.



### Appropriate Emergency Care Focus

Dr Cara Frain

Topic: Pelvic exams in ED: patient and clinician perceptions and experiences

About: A mixed-method study to explore the perceptions, experiences and expectations of both clinicians and patients around pelvic exams in ED. The aims are to improve patient experience and satisfaction when receiving a pelvic exam and to optimise ED clinician approach to performing pelvic exams when appropriate and ultimately improving patient care.



Dr Richard A. F. Pellatt

Topic: The Risk of Repeated Intentional Self-Harm and Suicide after Initial Emergency Department Presentation with Self-Harm in Queensland Emergency Departments.

About: The emergency department is a major point of contact for people with mental health problems including intentional self-harm. We described the profile of adults presenting with self-harm to EDs in Queensland over six years, to identify the subsequent risk of repeated self-harm and suicide.



### Workforce Focus

Associate Professor Marianne Beaulieu

Topic: "Well, now I'll be valued elsewhere": Underlying reasons for ED nurse turnover in Quebec (Canada)

About: A few days after their resignation, emergency nurses (n=7) were interviewed to document the underlying reasons for quitting their job. The individual, interpersonal, occupational, organisational and national considerations underpinning the decision will be presented.



Day two continues to next page...

# SYMPOSIUM PROGRAM

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DAY TWO, FRIDAY 24TH MAY 2024

## Workforce Focus Continues

Dr Andrew Rixon



Topic: What are the leadership challenges and opportunities in Emergency Care?  
About: Drawing on 6 years of leadership development research with the Australasian College of Emergency Medicine (ACEM) this presentation will share on key findings relating to leadership challenges and opportunities in Emergency Care. Discussion of a recent systematic review looking at leadership conceptions of nurses and emergency physicians, and a study of enablers and barriers to coaching as a leadership style in Emergency Departments will see implications for future research explored.



## Keynote Presentation

Professor Diana Egerton Warburton

Topic: The Barriers to Doing 'Nothing' in Emergency Care.

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11:00 AM

## Morning Tea Break

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11:30 AM

## Middle Session



## Keynote Presentation

Associate Professor Helen Benham

Topic: Translational Research in 2040.

About: Translational Research is in constant evolution with technology and innovation driving new paradigms. This talk will explore where we have come from and possible future 'translation' endeavours.

## Panel discussion

Building research capacity in Emergency Care with Adjunct Associate Professor Jeremy Furyk, Dr Clinton Gibbs, Dr Elizabeth Elder and Dr Kent Perkins.

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1:15 PM

## Lunch Break

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Day two continues to next page....

# SYMPOSIUM PROGRAM

DAY TWO, FRIDAY 24TH MAY 2024

1:45 PM

## Afternoon Session



### Trauma and Pre-Hospital Focus

#### Invited Speaker

Dr James Winearls

Topic: FIESTY Franchise, how we embedded research into practice, changed practice and built on previous work.



Ms Elizabeth Wake

Topic: Optimising the GCUH Trauma Activation System: a mixed methods implementation and evaluation study.

About: The overarching aim of this research is to review, develop, implement and evaluate a trauma activation system at GCUH. This multi-methods explorative design will use the process of experienced based co-design, and work with clinicians and consumers to ensure the trauma activation system re-design



Dr Jessica Forbes

Topic: Content and quality of Massive Haemorrhage Protocols (MHPs) across Queensland.

About: Our team are conducting a multiphase, multi-modal study assessing the MHPs and critical bleeding guidelines across Queensland for content, quality and delivery. This talk will present the results of the first phase of this project.

### Panel discussion

Integrating research evidence into policy with Dr David Rosengren, Dr Kim Hansen, Mr Matt Lunn and Dr Hayley Frieslich

3:35PM

## Closing Remarks

Professor Julia Crilly

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# POSTER DISPLAY

## EXHIBITION ON DISPLAY THROUGHOUT THE 2 DAY SYMPOSIUM

**Using machine learning to mine mental health diagnostic groups from emergency department presentations before and during the COVID-19 pandemic.**

Carly Hudson, Grace Branjerdporn, Ian Hughes, James Todd, Candice Bowman, Marcus Randall, Nicolas J. C. Stapelberg

**Working within the legal framework for end-of-life decision-making in Queensland: The experience of Emergency Department and Intensive Care Unit healthcare professionals.**

Jayne Hewitt, Nemat Alsaba, Andrea Marshall

**Managing patients with potential medication related harm in Emergency Departments: a qualitative study.**

Ruby Allen, Gary Grant, Brooke Bullock, Laetitia Hattingh

**Management of primary spontaneous pneumothorax, did practice change after a landmark multi-centre study?**

Lucca Kalafatis, Rachel Armstrong, Emma J. Hall, Gerben Keijzers

**Could low-value tests be compounding access block? A single-site, prospective, observational study.**

Vinay Gangathimmaiah, Courtney West, Theophilus Emeto, Luke Lawton

**Consumer perspectives on a consumer-led short-stay Crisis Stabilisation Unit as an alternative to ED for the treatment of acute mental health crises**

Grace Branjerdporn, Laura McCosker, Shanthi Sarma

**CT Pulmonary Angiogram (CTPA) ordering, adherence to decision rules and yield in the Emergency Department, an observational study.**

Saransh Kumar Saini, Zain Saleem Khan, Victor Do, Gerben Keijzers

**The Medical Commander: ED leadership for patient safety and quality care.**

Rachael Smithson, Adelaide Michael

**Virtual technology applications in emergency care delivery.**

James Young-Jamieson, Roy Bekkeli, Adelaide Michael, Rachael Smithson

**The impact of the COVID-19 pandemic on cardiac related emergency department presentations in Queensland, Australia: A retrospective cohort study.**

Emma J Hall, Jamie Ranse, Gerben Keijzers, Amy Sweeny, Julia Crilly OAM

**Time to Cut: A retrospective observational cohort study of current practice in the management of necrotising fasciitis.**

Colin Mak, Alexander Scott, Kerina Denny

**Audit of VTE prophylaxis prescription in Emergency and Trauma Centre (ETC) patients discharged with lower limb immobilisation.**

Alfred Bramasta, Anna Zipf, Frances Williamson, Yasmine Sattary, Annie Worcestor

# POSTER DISPLAY

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## EXHIBITION ON DISPLAY THROUGHOUT THE 2 DAY SYMPOSIUM

**Hospital in the Home – Connect: evaluation of an allied health led hospital substitution model of care.**

Dominique Murray, Laetitia Hattingh, Kelly Ellis, Ross Forsyth, Olivia Palac, Tracey Bishop, Joshua Byrnes, Salim Memon

**DART3: A stepped wedge cluster randomised trial to improve peripheral IV catheter insertion success in patients with difficult IV access.**

Claire Rickard, Gerben Keijzers, Stuart Watkins, Christine Brown, Jonathan Vico da Silva, Bridget Wilson, Aoife Reynolds, On behalf of the DART3 investigators

**Child Life Therapy reduces children's emotional distress and perceived fear during closure of laceration or cannulation procedures in paediatric emergency.**

Faye Jordan, Amber Jones, Meenu Wadhwa, Kate McLaughlin, Joshua Wilcox, Hannah Gullo

**Use of a streamlined pathway for diagnosis and treatment for suspected acute heart failure could reduce patients' time in the ED.**

Wandy Chan, Lauren Atkins, Louise Mills, Gavin Fincher, Faye Jordan

**Paeds with a wheeze: improving patient flow through nurse led stretching of inhaled salbutamol.**

Andrea Hetherington, Leisa Bauer, Sheree Rablin, Faye Jordan

**Feasibility, safety, and efficacy of spot urinary sodium guided titration of intravenous diuretic therapy in acute heart failure: an RCT.**

Maryam Khorramshahi Bayat, Wandy Chan, Karen Hay, Scott McKenzie, Faye Jordan, Isuru Ranasinghe