

# EMERGENCY CARE RESEARCH SYMPOSIUM 2024

**MAY 23 - 24 2024**

EMBEDDING RESEARCH INTO CLINICAL PRACTICE



GCHHS EMERGENCY CARE RESEARCH GROUP

# SYMPOSIUM PROGRAM

DAY ONE, THURSDAY 23RD MAY 2024

9:00 AM

## Morning Session

Welcome and Opening

### Keynote Presentation

Professor Diana Egerton-Warburton

Topic: iREDUCE NUTs – Implementation Research in Emergency Departments to reduce Unhelpful CarE: No Unnecessary Tests.

About: It's an inconvenient truth that 30% of healthcare in part represents low value and 10% causes patient harm: this is unhelpful care. Studies have demonstrated that 72% of patients receive no change of care regardless of testing results. Reducing this is critical for patients, the health system outcomes including reducing waste. 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. I will provide examples and previous implementation research that has achieved these outcomes sustainably.

### Ultrasound Focus

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. Although we have a clear idea of what the challenges of vascular access are within this population, we do not fully understand the patients' experience surrounding PIVC insertion and management, or what suggestions the patients have for service improvement. 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.

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

Rachel Muir and others to be announced

Topic: Consumer Engagement

11:00 AM

## Morning Tea Break

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# SYMPOSIUM PROGRAM

DAY ONE, THURSDAY 23RD MAY 2024

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: THRIVE Trans-nasal Humidified Rapid Insufflation Ventilatory Exchange in Children requiring emergency intubation.

12:50 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.

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# SYMPOSIUM PROGRAM

DAY ONE, THURSDAY 23RD MAY 2024

1:30 PM

## 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.

## Education and Simulation Focus

Dr Eve Purdy

Title: 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, Eve 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 organization.

Dr Alex El Kheir

Title: 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

4:10 PM

## Closing

5:00 PM

## Networking and Cocktail Event

8:00 PM

Held at The Aviary Rooftop Bar



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# SYMPOSIUM PROGRAM

DAY TWO, FRIDAY 24TH MAY 2024

9:00 AM

## Morning Session

Welcome and Opening

### 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.

Dr Andrew Rixon

Topic to be announced

### Keynote Presentation

Professor Diana Egerton Warburton - Topic to be announced



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# SYMPOSIUM PROGRAM

DAY TWO, FRIDAY 24TH MAY 2024

11:00 AM

## Morning Tea Break

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.

1:15 PM

## Lunch Break

1:45 PM

### Afternoon Session

#### Invited Speaker

Dr James Winearls

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



#### Trauma and Pre-Hospital Focus

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, Dr Hayley Frieslich

3:35PM

## Closing Remarks