



DAY ONE – THURSDAY 27 MAY 2021

AEST	
10:00	Conference Welcome Ryan Lovett , College Chair
10:15	<u>Presentation:</u> Does Direct Helicopter Retrieval Improve Survival for Severely Injured Trauma Patients from Rural Western Australia? <u>Case Based Activity:</u> Rural and Remote Trauma – who, where to, how and why? David Ford, Course Coordinator Post Graduate Critical Care Paramedicine, Edith Cowan University
11:15	The impact of rurality on paramedic role and work environment. Heulwen Spencer-Goodsir, Graduate Paramedic
11:45	<i>BREAK 1</i>
12:00	Remote preterm birth prevention: Comparing Nifedipine and Salbutamol tocolysis in aeromedical retrieval Bree Spring-Walsh, Flight Nurse
12:30	Advanced resuscitation for organ donation Kirsty Mann, Rescue Helicopter Crewman/Intensive Care Paramedic
13:15	The Integrated Model – challenges and the response to Tropical Cyclone Seroja Maxi McDonald, Community Paramedic - St John, WA
14:00	<i>MAIN BREAK</i>
15:00	<u>Presentation:</u> Preparing for the interfacility transfer <u>Activity:</u> Should I stay or go? Matt Simpson, Paramedic Specialist – Intensive and Extended Care
16:00	Traumatology Talks: Black Wounds White Stiches Prof Kerry Arabena, Managing Director of Karabena Consulting Cultural Safety in Prehospital Practice Kaitlyn Krahe (she/her/they), Paramedic
16:45	Let's Exercise! Exercise at any time, any place Prof Ken Nosaka, Director of Exercise and Sports Science in the School of Medical and Health Sciences at Edith Cowan University
17:00	Panel Discussion - Developing roles of paramedics in Australia and New Zealand; How do we best incorporate non-traditional paramedic roles into health care delivery? <u>Facilitator:</u> Alecka Miles, Course Coordinator, Graduate Diploma / Graduate Certificate Extended Care Paramedicine & Masters Paramedic Practitioner, School of Medical and Health Science, Edith Cowan University <u>Panel Members:</u> Dave Anderson, Extended Care Paramedic, St John, Post Graduate Lecturer, Paramedicine - Auckland University of Technology Kirsty Mann, Rescue Helicopter Crewman/Intensive Care Paramedic Amy McCaffrey, Paramedic, Northern Territory David McLeod, Executive Manager - Primary Health & Community
18:00	Day Close
18:15	<i>Finish</i>



DAY TWO – FRIDAY 28 MAY 2021

AEST	
09:55	Welcome
10:00	<u>Presentation:</u> Lessons Learned in Building Diversity and Equity in EMS Meg Marino, Deputy Medical Director, New Orleans EMS Dr. Emily Nichols, Director and Medical Director for New Orleans EMS
10:45	<u>Activity:</u> Developing an EMS Diversity and Equity Plan Meg Marino, Deputy Medical Director, New Orleans EMS
11:30	Culturally Responsive Palliative Care for Aboriginal and Torres Strait Islander peoples Nicole Hewlett, National Indigenous PEPA Manager
12:00	<i>BREAK 1</i>
12:20	Palliative Paramedicine – Offering a Kinder Death Madeleine Jurhmann, PhD candidate, University of Sydney School of Medicine Northern Clinical School and Research Assistant, HammondCare Centre for Learning & Research in Palliative Care
13:00	Priority YOU! Mitch Mullooly, Member Committee Chair, Aotearoa New Zealand
13:15	<i>MAIN BREAK</i>
14:00	Live stream presentation from National Reconciliation Week: Bush Medicine Event Ken Jones, Bush Repair Cultural Educator
15:00	<u>Presentation:</u> Women birthing in paramedic care <u>Activity:</u> Intrapartum assessment Dr Belinda Flanagan, Lecturer, School of Nursing, Midwifery and Paramedicine USC
16:00	Panel Discussion– <i>It's 2031; What are paramedics doing now?</i> <u>Facilitator:</u> Sunny Whitfield, Lecturer - Griffith University School of Medicine (Paramedicine) <u>Panel Members:</u> Mitch Mullooly, Member Committee Chair, Aotearoa New Zealand Krista Reed, Paramedic, Sessional Academic and Research Officer Nicole Foster, Training and Development, Citadel Medical Carlton Irving, Flight ICP / Chair - Paramedic Council of New Zealand (Chair Te Kaunihera Manapou)
17:00	Conference Close
17:15	<i>Finish</i>



PRESENTATION OVERVIEWS

David Ford

Presentation: Does Direct Helicopter Retrieval Improve Survival for Severely Injured Trauma Patients from Rural Western Australia?

In rural and remote Western Australia, mortality from major trauma is up to four times higher than mortality rates from major trauma in the capital city, Perth. The objective of this study was to determine whether direct Helicopter Emergency Medical Service (HEMS) retrieval from an incident scene within the zone 50–250 km of Perth to a tertiary hospital improves survival in severely-injured trauma patients. Retrospective analysis (2006–2015) was undertaken of all WA Trauma Registries and coronial data. A total of 1,374 major trauma patients (Indirect retrieval = 1031, Direct HEMS = 343) met the study inclusion criteria.

Activity: Rural and Remote Trauma – who, where to, how and why?

A motor vehicle crash in a rural setting is used to highlight the clinical decisions that need to be made concerning hospital destination (e.g. major trauma centre), how they should be transported and the rationale.

Heulwen Spencer-Goodsir

The impact of rurality on paramedic role and work environment.

In Australia, access to emergency healthcare services and specialist care, particularly the ambulance service, is more restricted in rural areas. This presentation explores the impact of rurality on a paramedic's role and work environment, as researched through semi-structured interviews with Australian paramedics.

Bree Spring-Walsh

Remote preterm birth prevention: Comparing Nifedipine and Salbutamol tocolysis in aeromedical retrieval.

For remote women in preterm labour, tocolysis options keep foetuses in utero during aeromedical transport to reach tertiary centres. This study set out to determine tocolytic efficaciousness in halting preterm labour during aeromedical retrieval between Nifedipine; and Nifedipine with Salbutamol. This study undertook a retrospective analysis of women requiring aeromedical retrieval for threatened preterm labour within RFDS WA between 2013-2018. 236 retrievals were reviewed, finding Salbutamol with Nifedipine significantly more effective in tocolysis (71.6%) than Nifedipine alone (58.9%).

Kirsty Mann

Advanced resuscitation for organ donation

Over 550 people in New Zealand are waiting for an organ or tissue transplant. For many, their quality of life is greatly restricted. Others will die waiting. More organ donors means more lives saved. As paramedics our priority will always be the patient we are attending, and yet the sad reality of pre-hospital critical care is that not all patients can be saved. Although potentially controversial and confronting, this presentation intends to spark interest in how paramedics could make a positive contribution to organ donation and still save lives even when advanced resuscitation efforts have been unsuccessful.



Maxi McDonald

The Integrated Model – challenges and the response to Tropical Cyclone Seroja

This presentation will discuss The Integrated Model that is used in Western Australia. More specifically, the region that Maxi covers at present – Exmouth to Shark Bay and the challenges involved. Maxi will discuss how the model works and what roles are carried out by the Community Paramedics in regions such as this. Not only is it a clinical role but has many different aspects from Training, Local Emergency Management through to Wellbeing Support. The Volunteer component of this model faces many challenges including resource availability, distances covered and location/environmental factors. The preparation and response to Tropical Cyclone Seroja and how it led Maxi from preparation in Exmouth to response in Kalbarri – 800kms away, will also be discussed.

Matt Simpson

Presentation: Preparing for the interfacility transfer

Rural and remote areas of Australia see protracted response times of additional clinical resources. This presentation will explore preparing patients for retrieval teams to reduce 'time on scene', through integrated health care, interdisciplinary teamwork and accessing your clinical network.

Activity: Should I stay or go?

A case-based discussion in medical presentations in a rural setting. Participants will discuss the pro and cons of transport or staying for retrieval services to arrive.

Kaitlyn Krahe (she/her/they)

Cultural Safety in Prehospital Practice

The presentation will discuss the process that was undertaken by an NT paramedic who compiled a "cultural safety" guideline in 2020. The presentation will reflect briefly on the method, limitations and the 'next steps' in the journey towards building a competent workforce who deliver culturally safe care to culturally and linguistically diverse patients and Aboriginal and Torres Strait Islander patients.

Professor Ken Nosaka

Let's Exercise! Exercise at any time, any place

Performing exercise regularly (20-30 minutes a day) is essential for wellbeing and health, but not many people actually do it. Prof Nosaka will summarise the importance of regular exercise, and show some simple exercises that can be performed at home and work. One type of exercises that he suggests is "eccentric exercises" such as sitting to a chair slowly and walking down stairs. Sitting to a chair slowly 10 times a day may be minimal stimulus that our body requires every day to maintain its function and condition.



Meg Marino & Dr. Emily Nichols

Presentation: Lessons Learned in Building Diversity and Equity in EMS

This lecture presentation will review the importance of having a diverse EMS work force, ways to develop community outreach programs to better serve your diverse community, discuss strategies to acknowledge and reduce bias within your organization while building a more diverse EMS organization. It will also include a case study from New Orleans EMS with discussion of the lessons learned.

Meg Marino

Activity: Developing an EMS Diversity and Equity Plan

This activity will help participants develop their own Diversity and Equity plan for their respective EMS agencies. Using the information presented in the previous lecture, participants will work in small groups to develop a plan that will meet the needs of their own organization. Participants will leave with action items to start their own diversity and equity programs.

Nicole Hewlett

Culturally Responsive Palliative Care for Aboriginal and Torres Strait Islander peoples

A presentation on cultural considerations when providing palliative care to Aboriginal and Torres Strait Islander peoples.

Madeleine Jurhmann

Palliative Paramedicine – Offering a Kinder Death

Do you have experience reluctantly transporting a palliative patient to hospital, especially after-hours? Do you wish ambulance services were better integrated with palliative care systems? Madeleine Jurhmann is a PhD candidate exploring the role of paramedics delivering palliative and end-of-life care in Australian communities. Her presentation will provide an overview of the research, followed by an interactive and thought-provoking case study of palliative paramedicine in a rural community.

Mitch Mullooly

Priority YOU!

Putting YOU at the centre of the Priority Response - a series of quick, efficient and transformational strategies which drive meaningful and sustainable behaviour change that will have you performing at the peak of your physical and psychological game, making you fit for duty and ultimately fit for life!



Ken Jones

Live stream presentation from National Reconciliation Week: Bush Medicine Event

By the end of this session, participants will have a basic understanding about the history of bush medicine, how certain plants are still used for pain relief, wound care and anxiety relief and how this ancient form of medicine can be used in conjunction with western medicine. The session will also provide clinicians with information that will assist them to provide care for Aboriginal and Torres Strait Islander patients in a culturally appropriate way.

Dr Belinda Flanagan

Presentation: Women birthing in paramedic care

The management of women who present in labour or birth in paramedic care is low, as a result paramedics report that this type of case is one that they feel the least confident in managing. In addition, women report both positive and negative experiences when birthing in paramedic care. While women report feeling empowered and confident with their ability to birth, they also report concerns over paramedic technical and non-technical abilities. Providing a lack of privacy, poor interpersonal skills, and a lack of consent for procedures are among those described.

Activity: Intrapartum assessment

This activity will be a case-based presentation of a labouring woman. We will discuss the appropriate assessment of maternal and foetal wellbeing, predicting problems before they occur with the information gained through your obstetric and antenatal history, when to stay and when to go when birth is imminent, and establishing a safe birthing space in the out-of-hospital environment.