



ECMO WORKSHOP SALZBURG 18 June 2019

Interdisciplinary workshop conducted by a group of

Paediatric Cardiac Intensivists, Cardiac surgeon, Anaesthetist, ECMO Physicians and ECMO Specialist Nurses

Target audience

The workshop is targeted at

- *General paediatric intensivists in training*
- *Paediatric intensivists interested in specialised cardiac ICU training*
- *Paediatric nurses, Cardiology specialist nurses, Heart Failure Specialist nurses, Cardiac ICU nurses, ECMO nurses and ECMO specialists*
- *Paediatric cardiac anaesthetists and surgeons in training*
- *Perfusionists, other allied professionals involved in looking after children with cardiorespiratory failure*

Description of the workshop

The workshop will cover the role of ECMO in children starting from the basics – physiology, indications for ECMO, the management of a child on respiratory or cardiac ECMO and finally the outcomes. The highlight of the workshop is going to be simulation with 4 stations – circuit, cannulation, troubleshooting and a clinical ECMO scenario.

Aims of the workshop

To give an overview of ECMO such that paediatricians as well as ICU and ECMO medical and nursing specialists would benefit from attending the workshop. The workshop will include theoretical sessions and hands-on and simulation workshop stations.

By the end of the day, the attendees should be able to understand the role of ECMO in the management of cardiorespiratory failure.

There will be evaluation with certification to the attendees. Structured feedback will be obtained from the attendees to help plan future workshops.

Welcome to ECMO Workshop

Programme

0830-0835 Course induction and introduction of participants and faculty

Aparna Hoskote, Mirjana Cvetkovic, Troy Dominguez

0835-0900 Physiology of ECMO support - Troy Dominguez

0900-0930 Indications and types of ECMO support - Prof Eduardo DaCruz

0930-1000 ECMO Cannulation- techniques and challenges - Chris Harvey

1000-1030 Case based discussion - Mirjana Cvetkovic

1030-1100 Coffee

1100-1130 Bedside management by ECMO Specialist Nurse - Maura O'Callaghan

1130-1200 Risks, management and complications of ECMO - Aparna Hoskote

1115-1200 Cardiac ECMO – how to optimise outcomes - Troy Dominguez

1200-1230 ECPR – Resuscitation guidelines, indications, outcomes - Aparna Hoskote

1230-1330 Lunch break

1330-1700 Hands on and Simulation Sessions

1700-1715 Evaluation and Wrap-up

HANDS ON AND SIMULATION SESSION TIMETABLE

<i>Time</i>	GROUP 1	GROUP 2	GROUP 3	GROUP 4
1330-1410	Section 1	Section 2	Section 3	Section 4
1415-1525	Section 2	Section 3	Section 4	Section 1
1530-1610	Section 3	Section 4	Section 1	Section 2
1615-1655	Section 4	Section 1	Section 2	Section 3

Section 1: ECMO circuit – Aparna Hoskote, Eduardo DaCruz

Section 2: Troubleshooting on ECMO – Troy Dominguez, Lukas Mileder

Section 3: ECMO cannulation - Chris Harvey, Mirjana Cvetkovic

Section 4: Simulation scenario-team work- Mathieu Genuini, Maura O'Callaghan, Laurent Dupic, Burkhard Simma