

Wednesday, 04. May 2022*Internal Session*

08:00 - 18:00

Rutherford

Speaker's Preview Room*Adult Session*

09:00 - 10:00

Mountbatten

Basic Course - Block 1*Chair:* Thomas Mueller, DE**Evidence for ECMO in respiratory failure**

09:00 - 09:20

Speaker: Alex Rosenberg, GB**Physiology of respiratory ECMO**

09:20 - 09:40

Speaker: Nicholas Barrett, GB**Management of the VV ECMO patient**

09:40 - 10:00

Speaker: Alain Vuylsteke, GB*Pediatric Session*

09:00 - 09:30

St. James*

Masterclass - dealing with challenges on ECMO in children: Cannulation nightmares*Chair:* Chris Harvey, GB**Difficult cannulation in CDH**

09:00 - 09:06

Speaker: Yigit Guner, US**Purpura fulminans**

09:06 - 09:12

Speaker: Claire Westrope, GB**Leg ischaemia post peripheral femoral cannulation speaker**

09:12 - 09:18

Speaker: Lars Mikael Broman, SE**Failing glenn**

09:18 - 09:24

Speaker: Giles Peek, US**Unrepaired CHD - interrupted aortic arch with premature closure of the ductus**

09:24 - 09:30

Speaker: Bjorn Frenckner, SE*Adult Session*

09:00 - 10:15

Westminster

Resp masterclass Block 1 - joint session with ESICM*Chair:* Luigi Camporota - remote, GB*Chair:* Lise Piquilloud, CH**Measurement of respiratory mechanics at the bedside: From basics to advanced**

09:00 - 09:45

Speaker: Lise Piquilloud, CH**Setting the ventilator in pressure controlled and volume controlled ventilation**

09:45 - 10:15

Speaker: Luigi Camporota - remote, GB

Pediatric Session

09:00 - 10:00

Windsor

Basics in pediatric ECMO course- physiology of gas exchange

Indication V-A & V-V ECMO

09:00 - 09:15

Speaker: Peter Roeleveld, NL

Cannulation for V-A & V-V ECMO

09:15 - 09:30

Speaker: Robert Jan Houmes, NL

Speaker: Tim Jones, GB

Interpreting blood gas analysis in V-A & V-V ECMO

09:30 - 09:45

Speaker: Jerome Rambaud, FR

Optimal cannula positioning CXR and Echo

09:45 - 10:00

Speaker: Thilo Fleck, DE

Adult Session

09:00 - 10:00

Moore

Cath lab masterclass ACVC - case debates

Chair: Jan Belohlávek, CZ

Cathlab/CCU pearls - case debates - Case 1

09:00 - 09:20

Speaker: Jan Belohlávek, CZ

Cathlab/CCU pearls - case debates - Case 2

09:20 - 09:40

Speaker: Susanna Price, GB

Cathlab/CCU pearls - case debates - Case 3

09:40 - 10:00

Speaker: Daniel Rob, CZ

Adult Session

09:00 - 10:00

Keats

Physiotherapy and mobilisation masterclass Block 1

Chair: Kelly Morris, GB

Assessment of the ECMO patient

09:00 - 09:20

Speaker: Kelly Morris, GB

VHI Theory and practical

09:20 - 09:40

Speaker: Kelly Morris, GB

Manual assisted cough and manual techniques theory and practical

09:40 - 10:00

Speaker: Kelly Morris, GB

Adult Session

09:00 - 10:00

Shelley

ECPR masterclass Block 1

Chair: Simon Finney, GB

Should we have cardiac arrest centres?

09:00 - 09:20

Speaker: Tiffany Patterson, GB

The current evidence for ECPR

09:20 - 09:40

Speaker: Mamoun Abu Habsa, GB

When is a medical cardiac arrest refractory?

09:40 - 10:00

Speaker: Simon Finney, GB

Pediatric Session

09:00 - 10:00

Wesley

Advanced MCS including VADs course - advances in pediatric ECMO

Advances in neonatal ECMO

09:00 - 09:15

Speaker: Nathalie Rintoul, US

ECPR

09:15 - 09:30

Speaker: Sylvia Belda, ES

Rest settings on ECMO: A physiologic approach?

09:30 - 09:45

Speaker: Martin Kneyber, NL

Awake ECMO: When and how to do it?

09:45 - 10:00

Speaker: Matteo Di Nardo, IT

Adult Session

09:00 - 10:00

St. Thomas Hospital

ECMO Sim Masterclass: How to run a Simulation program? Block 1

Chair: Chris Meadows, GB

Introduction to ECMO sim

09:00 - 09:20

Speaker: Chris Meadows, GB

Practicalities/options for water drills

09:20 - 09:40

Speaker: Nicola Agnew, GB

Speaker: Nigel Gooby, GB

Cannulation simulation options

09:40 - 10:00

Speaker: Nicholas Ioannou, GB

Speaker: Chris Meadows, GB

Masterclass

09:00 - 17:00

Olivier

ECLS Workshop - joint event EuroELSO & ESICM

Pediatric Session

09:30 - 10:00

St. James*

Masterclass - dealing with challenges on ECMO in children: Clotty circuits

Chair: Giles Peek, US

My patient has DIC

09:30 - 09:36

Speaker: Uri Pollak, IL

I have clot in the arterial cannula

09:36 - 09:42

Speaker: Marisa Vieira, PT

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|---|---------------|
| Bleeding post cannulation | 09:42 - 09:48 |
| <i>Speaker:</i> Veronika Maraczi, HU | |
| We have a large pericardial effusion after VA ECMO | 09:48 - 09:54 |
| <i>Speaker:</i> Peter Roeleveld, NL | |
| Anti Xa or APTT? | 09:54 - 10:00 |
| <i>Speaker:</i> Dirk Vlasselaers, BE | |

Adult Session

10:30 - 12:30

Mounthatten

Basic Course - Block 2*Chair:* Alain Vuylsteke, GB*Chair:* Jo-Anne Fowles, GB

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|---|---------------|
| Evidence for ECMO in cardiac failure | 10:30 - 11:00 |
| <i>Speaker:</i> Thomas Mueller, DE | |
| Physiology of cardiac ECMO | 11:00 - 11:30 |
| <i>Speaker:</i> Dirk Donker, NL | |
| Management of the VA ECMO patient | 11:30 - 12:00 |
| <i>Speaker:</i> Martin Balik, CZ | |
| Nursing the ECMO patient (VV and VA) | 12:00 - 12:30 |
| <i>Speaker:</i> Jo-Anne Fowles, GB | |

Pediatric Session

10:30 - 11:30

St. James*

Masterclass - dealing with challenges on ECMO in children: Problems on cardiac ECMO!*Chair:* Jonathan Smith, GB

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|---|---------------|
| Cardiac decompression to vent or not to vent? Is there a role for impella? | 10:30 - 10:50 |
| <i>Speaker:</i> Giles Peek, US | |
| Is there a role for VAD in post op cardiac MCS? | 10:50 - 11:10 |
| <i>Speaker:</i> Tim Thiruchelvam, GB | |
| How to manage persistent refractory arrhythmias on ECMO? | 11:10 - 11:30 |
| <i>Speaker:</i> Ajay Desai, GB | |

Pediatric Session

10:30 - 12:30

Windsor

Basics in pediatric ECMO course - HANDS ON' INTERACTIVE SESSION

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|--|---------------|
| When to start V-A /When to start V-V | 10:30 - 11:00 |
| <i>Speaker:</i> Heidi Dalton, US | |
| <i>Speaker:</i> Roberto Chiletto, AU | |
| Different types of cannulation, know your circuit: Priming in neonates and children | 11:00 - 11:30 |
| <i>Speaker:</i> Chris Harvey, GB | |
| <i>Speaker:</i> Velia Antonini, IT | |

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| | Oxygenator knobology (Oxygenation)/oxygenator knobology (CO2 removal and heating) | 11:30 - 12:00 |
| | <i>Speaker:</i> Malaika Mendonca, CH | |
| | <i>Speaker:</i> Maura O'Callaghan, GB | |
| | V-A complication/V-V complication | 12:00 - 12:30 |
| | <i>Speaker:</i> Mirjana Cvetkovic, GB | |
| | <i>Speaker:</i> Giacomo Cavallaro, IT | |
| <i>Adult Session</i> | | |
| 10:30 - 12:30 | | Moore |
| | Cath lab masterclass ACVC - ECPR in the cathlab - the most suitable place? | |
| | <i>Chair:</i> Jan Belohlávek, CZ | |
| | Team organization | 10:30 - 11:10 |
| | <i>Speaker:</i> L. Christian Napp, DE | |
| | Cannulation | 11:10 - 11:50 |
| | <i>Speaker:</i> Jan Belohlávek, CZ | |
| | <i>Speaker:</i> Tobias Spangenberg, DE | |
| | Post CPR care | 11:50 - 12:30 |
| | <i>Speaker:</i> Joseph Tonna, US | |
| <i>Adult Session</i> | | |
| 10:30 - 12:30 | | Keats |
| | Physiotherapy and mobilisation masterclass Block 2 - bed transfers and positioning | |
| | <i>Chair:</i> Kelly Morris, GB | |
| | MI:E Theory and practical - assessment and safety considerations of rehabilitation - range of movement Ax and positioning | 10:30 - 12:30 |
| <i>Adult Session</i> | | |
| 10:30 - 12:30 | | Shelley |
| | ECPR masterclass Block 2 | |
| | <i>Chair:</i> Simon Finney, GB | |
| | Interactive case discussion and decision making | 10:30 - 10:50 |
| | <i>Speaker:</i> Ben Singer, GB | |
| | Femoral anatomy, ultrasound, wires and dilators | 10:50 - 11:10 |
| | <i>Speaker:</i> Simon Finney, GB | |
| | Hybrid cut down in adults | 11:10 - 11:30 |
| | <i>Speaker:</i> Alice Hutin, FR | |
| | Split into two groups - practical session with ultrasound etc. | 11:30 - 12:00 |
| | <i>Speaker:</i> Simon Finney, GB | |
| | <i>Speaker:</i> Ben Singer, GB | |
| | Split into two groups - percutaneous cut down practical session | 12:00 - 12:30 |
| | <i>Speaker:</i> Alice Hutin, FR | |

Pediatric Session

10:30 - 12:30

Wesley

Advanced MCS including VADs Course - hands on

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|--|---------------|
| Dual lumen cannulas for V-V ECMO...when? | 10:30 - 10:45 |
| <i>Speaker:</i> Andrea Moscatelli, IT | |
| Dual site cannulas for V-V ECMO...when? | 10:45 - 11:00 |
| <i>Speaker:</i> Jon Lillie, GB | |
| I cannot oxygenate... | 11:00 - 11:15 |
| <i>Speaker:</i> Claire Westrope, GB | |
| Management of atelectasis during ECMO (recruitment) | 11:15 - 11:30 |
| <i>Speaker:</i> Judit Llevadias Jane, GB | |
| How much ECMO flow? | 11:30 - 11:45 |
| <i>Speaker:</i> Uri Pollak, IL | |
| How to manage FiO2 in native lung and ECMO pump? | 11:45 - 12:00 |
| <i>Speaker:</i> Sylvia Belda, ES | |
| How to prone positioning in ECMO? | 12:00 - 12:15 |
| <i>Speaker:</i> Gillian Wylie, GB | |
| Techniques of physiotherapy during ECMO: What to do | 12:15 - 12:30 |
| <i>Speaker:</i> Lee Carter, GB | |

Adult Session

10:30 - 12:30

St. Thomas Hospital

ECMO Sim masterclass Block 2*Chair:* Chris Meadows, GB

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|--|---------------|
| Insitu vs simulation centre | 10:30 - 11:00 |
| <i>Speaker:</i> Peter Sherren, GB | |
| Options for blood / CO2 and is it worth it, perfusion perspective | 11:00 - 11:30 |
| <i>Speaker:</i> Nicola Agnew, GB | |
| <i>Speaker:</i> Nigel Gooby, GB | |
| Scenario writing, controlling scenarios | 11:30 - 12:00 |
| <i>Speaker:</i> Kathleen Daly, GB | |
| The perfect debrief, top tips | 12:00 - 12:30 |
| <i>Speaker:</i> Stephen Tricklebank, GB | |

Adult Session

10:45 - 12:30

Westminster

Resp masterclass Block 2 - joint session with ESICM*Chair:* Luigi Camporota - remote, GB*Chair:* Lise Piquilloud, CH

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|---|---------------|
| Alveolar recruitment and PEEP setting based on respiratory mechanics | 10:45 - 11:30 |
| <i>Speaker:</i> Luigi Camporota - remote, GB | |

Setting PEEP: A clinical case 11:30 - 12:00

Speaker: Lise Piquilloud, CH

Setting the ventilator and monitoring during ECMO 12:00 - 12:40

Speaker: Lise Piquilloud, CH

Pediatric Session

11:30 - 12:30

St. James*

Masterclass - dealing with challenges on ECMO in children: ECPR

Out of hospital arrest 11:30 - 11:42

Speaker: Melania Bembea, US

In hospital arrest in emergency room 11:42 - 11:54

Speaker: Jana Assy, BE

In hospital arrest in paediatric ward 11:54 - 12:06

Speaker: Peter Roeleveld, NL

ECPR in labour ward 12:06 - 12:18

Speaker: Thomas Schaible, DE

Rescue ECMO 12:18 - 12:30

Speaker: Virginie Fouilloux, FR

Adult Session

13:30 - 15:30

Mountbatten

Basic Course - Block 3

Chair: Martin Balik, CZ

Percutaneous cannulation for VA and VV 13:30 - 14:00

Speaker: Caroline Sampson, GB

Transport on ECMO 14:00 - 14:30

Speaker: Lars Mikael Broman, SE

The impact of ECMO on haematology 14:30 - 15:00

Speaker: Andrew Retter, GB

The impact of ECMO on pharmacology 15:00 - 15:30

Speaker: Haifa Lyster, GB

Pediatric Session

13:30 - 14:30

St. James*

Masterclass - dealing with challenges on ECMO in children: Failure to progress on ECMO, what next?

Chair: Bjorn Frenckner, SE

Persistent lactate on post cardiectomy ECMO 13:30 - 13:45

Speaker: Malaika Mendonca, CH

Persistent hypoxaemia on V-V ECMO 13:45 - 14:00

Speaker: Lakshmi Raman, US

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|---|--|---------------|
| | Low flows on peripheral cannulation in sepsis | 14:00 - 14:15 |
| | <i>Speaker:</i> Luregn Schlapbach, CH | |
| | Plasmapheresis on ECMO - when? | 14:15 - 14:30 |
| | <i>Speaker:</i> Matthew Paden, US | |
| <i>Adult Session</i> 13:30 - 14:45 | | Westminster |
| | Resp masterclass Block 3 - joint session with ESICM | |
| | <i>Chair:</i> Luigi Camporota - remote, GB | |
| | <i>Chair:</i> Lise Piquilloud, CH | |
| | Monitoring of patient-ventilator interaction at the bedside | 13:30 - 14:15 |
| | <i>Speaker:</i> Lise Piquilloud, CH | |
| | Proportional ventilation: PAV and NAVA | 14:15 - 14:45 |
| | <i>Speaker:</i> Lise Piquilloud, CH | |
| <i>Pediatric Session</i> 13:30 - 15:30 | | Windsor |
| | Basics in pediatric ECMO course - ECMO bedside management | |
| | Anticoagulation basics and special considerations in different ages | 13:30 - 14:00 |
| | <i>Speaker:</i> Guiseppe Isgro, IT | |
| | Monitoring respiratory function during ECMO | 14:00 - 14:30 |
| | <i>Speaker:</i> Atsushi Kawaguchi, JP | |
| | Weaning from V-A & V-V ECMO | 14:30 - 15:00 |
| | <i>Speaker:</i> Uri Pollak, IL | |
| | <i>Speaker:</i> Roberto Chilette, AU | |
| | Lessons learnt over the years on improving ECMO Outcomes/using big data - the role of ELSO Registry | 15:00 - 15:30 |
| | <i>Speaker:</i> Heidi Dalton, US | |
| <i>Adult Session</i> 13:30 - 15:30 | | Moore |
| | Cath lab masterclass ACVC - cardiogenic shock management | |
| | <i>Chair:</i> Jan Belohlávek, CZ | |
| | Overview from A to Z (30 mins) | 13:30 - 14:00 |
| | <i>Speaker:</i> Christian Hassager, DK | |
| | Unloading of the LV - experimental background | 14:00 - 14:30 |
| | <i>Speaker:</i> Mikulas Mlcek, CZ | |
| | <i>Speaker:</i> Paolo Meani, NL | |
| | Simulation of unloading (30 mins) | 14:30 - 15:00 |
| | <i>Speaker:</i> Dirk Donker, NL | |
| | Clinical utilization (30 mins) | 15:00 - 15:30 |
| | <i>Speaker:</i> Joseph Tonna, US | |

Adult Session

13:30 - 15:30

Keats

Physiotherapy and mobilisation masterclass Block 3 - active rehabilitation: SOEOB, mobilisation away from bed space, tilt table and motomed*Chair:* Kelly Morris, GB

Active rehabilitation practical session: Sitting on the edge of the bed and mobilisation away from the bed space 13:30 - 14:30

Active rehabilitation practical session: Tilt table and transfer to stretcher chair (practical) 14:30 - 15:30

Adult Session

13:30 - 15:30

Shelley

ECPR masterclass Block 3*Chair:* Simon Finney, GB

Individual performance in stressful settings/developing a team 13:30 - 14:00
Speaker: Mamoun Abu Habsa, GB

Disasters and pitfalls 14:00 - 14:30
Speaker: Simon Finney, GB

Designing a new service 14:30 - 15:00
Speaker: Justyna Swol, DE

Post ROSC ECMO management 15:00 - 15:30
Speaker: Alice Hutin, FR

Pediatric Session

13:30 - 15:30

Wesley

Advanced ECMO Course - cardiogenic shock

Role of ECMO in heart failure - principles, indications, pitfalls 13:30 - 13:55
Speaker: Judit Llevadias Jane, GB

Post cardiectomy ECMO - role of echocardiography and cardiac catheter 13:55 - 14:20
Speaker: Katharina Schmitt, DE

V-A ECMO to VAD 14:20 - 14:45
Speaker: Peta Alexander, US

The VAD story 14:45 - 15:10
Speaker: Brigitte Stiller, DE

Myocarditis including PIMS-TS 15:10 - 15:30
Speaker: Joan Balcells Ramirez, ES

Adult Session

13:30 - 15:30

St. Thomas Hospital

ECMO Sim masterclass Block 3*Chair:* Chris Meadows, GB

Practicalities and set up for high fidelity 13:30 - 14:00

Speaker: Chris Meadows, GB
Speaker: Nicola Agnew, GB
Speaker: Nigel Gooby, GB
Speaker: Nicholas Ioannou, GB
Speaker: Peter Sherren, GB
Speaker: Kathleen Daly, GB
Speaker: Stephen Tricklebank, GB

High fidelity simulation 1 (45 mins)

14:00 - 14:45

Speaker: Chris Meadows, GB
Speaker: Nicola Agnew, GB
Speaker: Nigel Gooby, GB
Speaker: Nicholas Ioannou, GB
Speaker: Peter Sherren, GB
Speaker: Kathleen Daly, GB
Speaker: Stephen Tricklebank, GB

High fidelity simulation 2 (45 mins)

14:45 - 15:30

Speaker: Stephen Tricklebank, GB
Speaker: Nicola Agnew, GB
Speaker: Nigel Gooby, GB
Speaker: Nicholas Ioannou, GB
Speaker: Peter Sherren, GB
Speaker: Kathleen Daly, GB
Speaker: Chris Meadows, GB

Pediatric Session

14:30 - 15:30

St. James*

Masterclass - dealing with challenges on ECMO in children: Multi-organ failure on ECMO

Chair: Melania Bembea, US

The kidneys are not improving

14:30 - 14:42

Speaker: Mirela Bojan, FR

The liver is failing

14:42 - 14:54

Speaker: Francisco Abecasis, PT

Bleed/infarct on ECMO

14:54 - 15:06

Speaker: Enno Wildschut, NL

Brain death

15:06 - 15:18

Speaker: Angelo Polito, CH

No recovery - Parents do not want to stop

15:18 - 15:30

Speaker: Nicolas Joram, FR

Adult Session

15:00 - 17:00

Westminster

Resp masterclass Block 4 - joint session with ESICM

Chair: Luigi Camporota - remote, GB

Chair: Lise Piquilloud, CH

Setting the ventilator in APRV

15:00 - 15:45

Speaker: Luigi Camporota - remote, GB

Ventilating a patient with obstructive disease 15:45 - 16:30

Speaker: Lise Piquilloud, CH

Discussion, feedback and Q&As 16:30 - 17:00

Adult Session

16:00 - 17:00

Mountbatten

Basic Course - Block 4

Chair: Haifa Lyster, GB

Chair: Andrew Retter, GB

ECMO circuit: component, configuration, change 16:00 - 16:30

Speaker: Nicola Agnew, GB

Circuit emergency management / complication of ECMO 16:30 - 17:00

Speaker: Kathleen Daly, GB

Pediatric Session

16:00 - 16:30

St. James*

Masterclass - dealing with challenges on ECMO in children: Transitions, when to consider, how to do them safely?

Chair: Lars Mikael Broman, SE

VV to VA, VA to VV - neonates with CDH 16:00 - 16:10

Speaker: Yigit Guner, US

VV to VVA and Is there a role for VAV? 16:10 - 16:20

Speaker: Chris Harvey, GB

Open chest to peripheral ECMO? When? 16:20 - 16:30

Speaker: Tim Jones, GB

Pediatric Session

16:00 - 18:00

Windsor

Basics in pediatric ECMO course - HANDS ON' INTERACTIVE SESSION

Anticoagulation (Basics) 16:00 - 16:15

Speaker: Alessandra Rizza, IT

How to manage native lung during ECMO 16:15 - 16:30

Speaker: Matteo Di Nardo, IT

Speaker: Jerome Rambaud, FR

Recirculation, how to diagnose and manage 16:30 - 16:45

Speaker: Giles Peek, US

Speaker: Giacomo Cavallaro, IT

Refractory hypoxemia during ECMO 16:45 - 17:00

Speaker: Robert Jan Houmes, NL

Unloading the LV 17:00 - 17:15

Speaker: Roberto Chiletto, AU

Speaker: Ravi Thiagarajan, US

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|--|---------------|
| Pump failure management | 17:15 - 17:30 |
| <i>Speaker:</i> Velia Antonini, IT | |
| <i>Speaker:</i> Gillian Wylie, GB | |
| Air embolism management | 17:30 - 17:45 |
| <i>Speaker:</i> Malaika Mendonca, CH | |
| Circuit Diffuse intravascular coagulation | 17:45 - 18:00 |
| <i>Speaker:</i> Guiseppe Isgro, IT | |

Adult Session
16:00 - 17:00

Moore

Cath lab masterclass ACVC - what should intensivist know about the coronary intervention?

Chair: Jan Belohlávek, CZ

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|---|---------------|
| PCI in STEMI and nonSTEMI | 16:00 - 16:20 |
| <i>Speaker:</i> Jan Belohlávek, CZ | |
| Protected PCI intervention | 16:20 - 16:40 |
| <i>Speaker:</i> Federico Pappalardo, IT | |
| Advanced cathlab imaging | 16:40 - 17:00 |
| <i>Speaker:</i> Tobias Spangenberg, DE | |

Adult Session
16:00 - 17:00

Keats

Physiotherapy and mobilisation masterclass Block 4 - pre-transplant assessment and treatment

Chair: Kelly Morris, GB

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|---|---------------|
| Pre transplant Ax and Rx | 16:00 - 16:30 |
| BiVAD, VAD's and peripheral VA ECMO mobilisation | 16:30 - 17:00 |

Adult Session
16:00 - 17:00

Shelley

ECPR masterclass Block 4

Chair: Simon Finney, GB

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|---|---------------|
| Neuroprognostication after cardiac arrest | 16:00 - 16:30 |
| <i>Speaker:</i> Simon Finney, GB | |
| Psychological distress in staff - discussion | 16:30 - 17:00 |
| <i>Speaker:</i> Alexandra Quigley, GB | |

Pediatric Session
16:00 - 18:00

Wesley

Advanced ECMO Course - MCS hands on: Peri-implantation considerations, selection of devices, choice of appropriate device, timing

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|---|---------------|
| Station 1 ECMO simulation - deteriorating child - ECPR | 16:00 - 16:40 |
| <i>Speaker:</i> Mirjana Cvetkovic, GB | |
| <i>Speaker:</i> Judit Llevadias Jane, GB | |
| Station 1 ECMO simulation - deteriorating child - ECPR | 16:40 - 17:20 |

Speaker: Peta Alexander, US
Speaker: Maura O'Callaghan, GB

Station 2 Hands on simulation simulated circuits for BH excor 17:20 - 18:00

Speaker: Thilo Fleck, DE
Speaker: Brigitte Stiller, DE

Adult Session

16:00 - 17:00

St. Thomas Hospital

ECMO Sim masterclass Block 4

Chair: Chris Meadows, GB

Lessons learnt from a decade of ECMO sim 16:00 - 16:30

Speaker: Chris Meadows, GB
Speaker: Nicola Agnew, GB
Speaker: Nigel Gooby, GB
Speaker: Nicholas Ioannou, GB
Speaker: Peter Sherren, GB
Speaker: Kathleen Daly, GB
Speaker: Stephen Tricklebank, GB

Q&A 16:30 - 17:00

Speaker: Stephen Tricklebank, GB
Speaker: Kathleen Daly, GB
Speaker: Peter Sherren, GB
Speaker: Nicholas Ioannou, GB
Speaker: Nigel Gooby, GB
Speaker: Nicola Agnew, GB
Speaker: Chris Meadows, GB

Pediatric Session

16:30 - 17:30

St. James*

Masterclass - dealing with challenges on ECMO in children: Rapid fire questions

Chair: Aparna Hoskote, GB

Sharing practices across institutions 16:30 - 17:30

Speaker: Lars Mikael Broman, SE
Speaker: Joan Balcells Ramirez, ES
Speaker: Melania Bembea, US
Speaker: Heidi Dalton, US
Speaker: Claire Westrope, GB

Thursday, 05. May 2022*Industry*

08:00 - 08:45

St. James*

XENIOS Breakfast Industry session 1*Internal Session*

08:00 - 18:00

Rutherford

Speaker's Preview Room*Plenary Session*

09:00 - 10:00

Fleming

Opening Ceremony*Chair:* Jan Belohlávek, CZ*Chair:* Matthieu Schmidt, FR*Chair:* Nicholas Barrett, GB**Welcome address Congress Chair**

09:00 - 09:05

Speaker: Nicholas Barrett, GB**Welcome address EuroELSO Chair**

09:05 - 09:10

Speaker: Jan Belohlávek, CZ**The climate emergency - our responsibilities in ICU & ECMO**

09:10 - 09:25

Speaker: Thomas Bein, DE**Year in review - Pediatric ECMO**

09:25 - 09:32

Speaker: Aparna Hoskote, GB**Year in review - technology**

09:32 - 09:39

Speaker: Leen Vercaemst, BE**Hot topics in VA-ECMO**

09:39 - 09:57

Speaker: Jan Belohlávek, CZ*Speaker:* Bruno Lévy, FR**Update on Ukraine activities of the EuroELSO**

09:57 - 10:00

Speaker: Jan Belohlávek, CZ*Industry*

09:00 - 18:00

Byron

Training Unit by CARL.*Industry*

09:00 - 09:45

Wordsworth

Training Unit by Medtronic - Hands-on with Nautilus Oxygenation Technology*Industry*

09:00 - 18:00

Abbey

Training Unit by Getinge

Adult Session

10:30 - 12:30

Fleming

State of the art in acute heart failure*Chair:* Dirk Donker, NL

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|--|---------------|
| ECMO for ischaemic cardiogenic shock | 10:30 - 10:45 |
| <i>Speaker:</i> Tobias Spangenberg, DE | |
| ECMO for fulminant myocarditis | 10:45 - 11:00 |
| <i>Speaker:</i> Matthieu Schmidt, FR | |
| ECMO for post-cardiotomy cardiogenic shock | 11:00 - 11:15 |
| <i>Speaker:</i> Roberto Lorusso, NL | |
| Mortality prediction in extracorporeal membrane oxygenation patients: A systematic review | 11:15 - 11:30 |
| <i>Speaker:</i> CLA Pladet, NL | |
| COVID cardiomyopathy | 11:30 - 11:45 |
| <i>Speaker:</i> Dirk Donker, NL | |
| ECMO for septic shock | 11:45 - 12:00 |
| <i>Speaker:</i> Lars Mikael Broman, SE | |
| ECMO for cardiac arrest | 12:00 - 12:15 |
| <i>Speaker:</i> Jan Belohlávek, CZ | |
| Round-table discussion | 12:15 - 12:30 |

Adult Session

10:30 - 12:30

Churchill

What is the future for ECCO2R? Joint session with SMART*Chair:* Leo Heunks - remote, NL*Chair:* Luigi Camporota - remote, GB*Chair:* Alain Combes, FR

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| Efficiency of ECCO2R | 10:30 - 10:45 |
| <i>Speaker:</i> Nicholas Barrett, GB | |
| Technical drawbacks of ECCO2R | 10:45 - 11:00 |
| <i>Speaker:</i> Christian Karagiannidis, DE | |
| ECCO2R in ARDS | 11:00 - 11:15 |
| <i>Speaker:</i> Thomas Bein, DE | |
| ECCO2R in COPD | 11:15 - 11:30 |
| <i>Speaker:</i> Daniel Brodie, US | |
| Which trial(s) after the REST? | 11:30 - 11:45 |
| <i>Speaker:</i> Alain Combes, FR | |
| Combining renal and respiratory support? | 11:45 - 12:00 |
| <i>Speaker:</i> Alberto Zanella, IT | |
| Round-table: What is the future for ECCO2R? | 12:00 - 12:30 |

Pediatric Session

10:30 - 12:30

Mountbatten

Pediatric ECMO referral criteria and selection: Let's get the timing right!*Chair:* Malaika Mendonca, CH*Chair:* Susana Martins de Abreu, PT*Chair:* Ravi Thiagarajan, US**PPHN including CDH**

10:30 - 10:45

Speaker: Virginie Fouilloux, FR**Paediatric ARDS**

10:45 - 11:00

Speaker: Matthew Paden, US**Post-cardiotomy ECMO in children**

11:00 - 11:15

Speaker: Tim Jones, GB**Decompensated heart failure in children**

11:15 - 11:30

Speaker: Jane Cassidy, GB**Use of ECMO to restore hemodynamic stability before ventricular assist device implantation in pediatric patients**

11:30 - 11:45

Speaker: Susana Martins de Abreu, PT**Sepsis in children**

11:45 - 12:00

Speaker: Luregn Schlapbach, CH**Round-table: Clinical case discussions - where we got the timing wrong**

12:00 - 12:30

Perfusionist Session

10:30 - 12:30

St. James*

Cannula session*Chair:* Antonella Degani, IT*Chair:* Lisa Carson Price, GB**Current cannula design and major technical drawbacks**

10:30 - 10:45

Speaker: Jutta Arens, NL**Future development from an engineering perspective**

10:45 - 11:00

Speaker: Lisa Prah Wittberg, SE**Numerical and experimental investigation of a drainage cannula**

11:00 - 11:15

Speaker: Francesco Fiusco, SE**Measurement of recirculation and its impact**

11:15 - 11:30

Speaker: Lisa Carson Price, GB**Computational and physical modeling of fluid haemodynamics**

11:30 - 11:45

Speaker: Louis Parker, SE**Cannulation tips for paediatrics**

11:45 - 12:00

Speaker: Chris Harvey, GB**What went wrong with my cannula? A clinical case to discuss**

12:00 - 12:15

Speaker: Alois Philipp, DE

Round-table discussion - the ideal cannula

12:15 - 12:30

Adult Session

10:30 - 12:30

Westminster

Optimization of cardiac function on VA-ECMO*Chair:* Bruno Lévy, FR*Chair:* Santiago Montero, ES**De-catecholaminisation?**

10:30 - 10:45

Speaker: Federico Pappalardo, IT**Close assessment of the biomarkers?**

10:45 - 11:00

Speaker: Santiago Montero, ES**Hypothermia for everyone?**

11:00 - 11:15

Speaker: Bruno Lévy, FR**Haemodynamic assessment on VA ECMO**

11:15 - 11:30

Speaker: Dieter Dauwe, BE**10 years of high-fidelity simulation: Improvement in self-perception of learning in an ECMO workshop**

11:30 - 11:45

Speaker: Susan Whittam, AU**Appropriate use of mechanical ventilation?**

11:45 - 12:00

Speaker: Martin Balik, CZ**Through a better understanding of cardiac physiology?**

12:00 - 12:15

Speaker: Kiran Shekar, AU**Round-table discussion**

12:15 - 12:30

Pediatric Session

10:30 - 12:30

Windsor

Pediatric ECMO: Mechanics of the circuit*Chair:* Andrea Moscatelli, IT*Chair:* Joan Balcells Ramirez, ES*Chair:* Joppe Drop, NL**How to manage the circuit when forced to run without anticoagulation**

10:30 - 10:45

Speaker: Francisco Abecasis, PT**ECMO and inflammation: Pathophysiology and therapeutic perspectives**

10:45 - 11:00

Speaker: Alessandra Rizza, IT**The 'ideal' paediatric circuit**

11:00 - 11:15

Speaker: Leen Vercaemst, BE**Composition of thrombi in pediatric ECMO circuits**

11:15 - 11:30

Speaker: Joppe Drop, NL**New insights from the lab (pumps)**

11:30 - 11:45

Speaker: Robert Bartlett, US

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| Oxygenators - optimising function | 11:45 - 12:00 |
| <i>Speaker:</i> Tom Verbelen, BE | |
| Pediatric case series of dynamic pressure bearing technology supporting the impeller in a non-contact manner | 12:00 - 12:10 |
| <i>Speaker:</i> Tadahito Kato, JP | |
| <i>Speaker:</i> Atsushi Kawaguchi, JP | |
| Round-table discussion: Enhancing team work to improve circuit performance- view from nursing, perfusion and ECMO physician? | 12:10 - 12:30 |
| <i>Speaker:</i> Gillian Wylie, GB | |
| <i>Speaker:</i> Velia Antonini, IT | |
| <i>Speaker:</i> Claire Westrope, GB | |
| Nurse Session | |
| 10:30 - 12:30 | Moore |
| What have I learnt from the pandemic? | |
| <i>Chair:</i> Riccardo Cusmà Piccione, IT | |
| <i>Chair:</i> Serena O'Brien, IE | |
| Nursing staff models before the pandemic | 10:30 - 10:45 |
| <i>Speaker:</i> Chirine Mossadegh, FR | |
| How did it change during the pandemic in UK? | 10:45 - 11:00 |
| <i>Speaker:</i> Kathleen Daly, GB | |
| How did it change during the pandemic in Czech Republic? | 11:00 - 11:15 |
| <i>Speaker:</i> Sonia Wulczynska, CZ | |
| ECMO nursing activities score: A retrospective study | 11:15 - 11:30 |
| <i>Speaker:</i> Riccardo Cusmà Piccione, IT | |
| The nursing aftermath | 11:30 - 11:45 |
| <i>Speaker:</i> Sabine Valera, FR | |
| How did it change during the pandemic in Italy? | 11:45 - 12:00 |
| <i>Speaker:</i> Velia Antonini, IT | |
| How to prepare for the next pandemic? | 12:00 - 12:15 |
| <i>Speaker:</i> Jo-Anne Fowles, GB | |
| Round-table discussion- the ideal model | 12:15 - 12:30 |
| Educational Corner | |
| 10:30 - 11:30 | Burns |
| Emergencies on mechanical circulatory support 1 | |
| Educational Corner | |
| 10:30 - 11:30 | Keats |
| Managing refractory hypoxemia on V-V ECMO 1 | |

Educational Corner

10:30 - 11:30

Shelley

How to perform perfect simulation 1*Educational Corner*

10:30 - 11:30

Wesley

Adventure in pediatric ECMO 1 - Troubleshooting*Educational Corner*

11:45 - 12:45

Burns

Emergencies on mechanical circulatory support 2*Educational Corner*

11:45 - 12:45

Keats

Managing refractory hypoxemia on V-V ECMO 2*Educational Corner*

11:45 - 12:45

Shelley

Trouble shooting V-V ECMO 1*Educational Corner*

11:45 - 12:45

Wesley

Adventure in pediatric ECMO 2 - Cannulating peds*Industry*

12:45 - 13:45

Fleming

Getinge Industry session 1*Industry*

12:45 - 13:30

Mountbatten

Eurosets Industry session 2*Industry*

12:45 - 13:45

St. James*

CytoSorbents Europe Industry session 3*Adult Session*

14:00 - 16:00

Fleming

Supporting the heart*Chair:* Divaka Perera, GB**Pathophysiological rational of LV unloading in ECMO**

14:00 - 14:15

Speaker: Dirk Donker, NL**Optimal timing to unload the LV?**

14:15 - 14:30

Speaker: Jose Henriques, NL**Treatment with Impella® and veno-arterial extracorporeal membrane oxygenation during cardiac arrest improves survival – a multicenter cohort study**

14:30 - 14:45

Speaker: Tharusan Thevathasan, DE

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| Percutaneous strategies for unloading | 14:45 - 15:00 |
| <i>Speaker:</i> Federico Pappalardo, IT | |
| Surgical intervention for unloading | 15:00 - 15:15 |
| <i>Speaker:</i> Bart Meyns, BE | |
| Unloading the LV: Is it really necessary? | 15:15 - 15:30 |
| <i>Speaker:</i> Thomas Mueller, DE | |
| Overview of temporary circulatory support in RV failure | 15:30 - 15:45 |
| <i>Speaker:</i> Tom Verbelen, BE | |
| Round-table discussion | 15:45 - 16:00 |

Adult Session
14:00 - 16:00

Churchill

How to ventilate on ECMO ?*Chair:* Matthieu Schmidt, FR*Chair:* Lise Piquilloud, CH

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| Benefits and harms of awake ECMO | 14:00 - 14:15 |
| <i>Speaker:</i> Thomas Langer - remote, IT | |
| The respiratory drive and spontaneous breathing on ECMO | 14:15 - 14:30 |
| <i>Speaker:</i> Luigi Camporota - remote, GB | |
| Did the COVID-19 pandemic change the care of non-COVID ECMO patients in Germany? A nationwide retrospective study | 14:30 - 14:45 |
| <i>Speaker:</i> Benjamin Friedrichson, DE | |
| Continuous muscle relaxation? | 14:45 - 15:00 |
| <i>Speaker:</i> Daniel Herr, US | |
| Prone position on ECMO: For everyone? | 15:00 - 15:15 |
| <i>Speaker:</i> Matthieu Schmidt, FR | |
| Protective ventilation on ECMO | 15:15 - 15:30 |
| <i>Speaker:</i> Antonio Pesenti - remote, IT | |
| Round-table: How to ventilate on ECMO? | 15:30 - 16:00 |

Pediatric Session
14:00 - 16:00

Mountbatten

Neonatal and pediatric ECMO: Pushing the boundaries*Chair:* Chris Harvey, GB*Chair:* Jana Assy, BE*Chair:* Kenneth Palmer, SE

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| Bronchodysplasia, chronic lung disease and ECMO: An update | 14:00 - 14:15 |
| <i>Speaker:</i> Andrea Moscatelli, IT | |
| Intoxications: Who do we support? | 14:15 - 14:30 |
| <i>Speaker:</i> Matthew Paden, US | |
| Immunocompromised patients | 14:30 - 14:45 |

Speaker: Jerome Rambaud, FR

Multisystem disease - rheumatological and metabolic conditions

14:45 - 15:00

Speaker: Heidi Dalton, US

Severe chromosomal abnormalities and multiple morbidities

15:00 - 15:15

Speaker: Marisa Vieira, PT

Birth asphyxiated neonate

15:15 - 15:30

Speaker: Thomas Schaible, DE

Round-table - clinical case discussion: How to decide ECMO candidacy in a complex case?

15:30 - 16:00

Perfusionist Session

14:00 - 16:00

St. James*

Membrane and oxygenator material session

Chair: Lisa Prah Wittberg, SE

Chair: Luis Pinto, PT

Chair: Mark Kurusz, US

Current membrane technology

14:00 - 14:15

Speaker: Jordi Riera, ES

What can we learn from computational fluid dynamics in oxygenators?

14:15 - 14:30

Speaker: Jutta Arens, NL

Biocompatibility of oxygenators

14:30 - 14:45

Speaker: Christian Karagiannidis, DE

Facilitating ECMO medical supply exchange through a novel online platform

14:45 - 15:00

Speaker: Abdullah Alsalemi, QA

Mock loops for technical assessment

15:00 - 15:15

Speaker: Libera Fresiello, NL

Monitoring oxygenator safety and function

15:15 - 15:30

Speaker: Leen Vercaemst, BE

Round-table discussion

15:30 - 16:00

Adult Session

14:00 - 16:00

Westminster

Infections and ECMO

Chair: Ibrahim Fawzy, QA

Chair: Duncan Wyncoll, GB

Emerging threat of (new) coronavirus

14:00 - 14:30

Speaker: Meera Chand, GB

Steroids and immunomodulators: More infectious complication?

14:30 - 14:45

Speaker: Giacomo Grasselli, IT

Novel diagnostics

14:45 - 15:00

Speaker: Jonathan Edgeworth, GB

Aspergillus: A real threat?

15:00 - 15:15

Speaker: Duncan Wyncoll, GB

How to prevent ECMO related infections

15:15 - 15:30

Speaker: John Fraser, AU

Antimicrobials pharmacokinetics on ECMO

15:30 - 15:45

Speaker: Kiran Shekar, AU

Round-table discussion

15:45 - 16:00

Pediatric Session

14:00 - 16:00

Windsor

Pediatric ECMO: Optimal delivery of ECMO

Chair: Robert Bartlett, US

Chair: Peter Roeleveld, NL

Chair: Orlane Brohan, FR

Fluid management in pediatric patients on ECMO

14:00 - 14:15

Speaker: Angelo Polito, CH

Strategies to improve flows on V-A ECMO

14:15 - 14:30

Speaker: Peter Roeleveld, NL

Strategies to manage hypoxaemia on V-V ECMO

14:30 - 14:45

Speaker: Francisco Abecasis, PT

Association between PaO₂ after ECMO initiation and mortality in neonates treated for refractory respiratory failure

14:45 - 15:00

Speaker: Orlane Brohan, FR

Managing PaCO₂ on ECMO

15:00 - 15:15

Speaker: Nicolas Joram, FR

Minimising blood products and raising thresholds for transfusion

15:15 - 15:30

Speaker: Heleen Van Ommen, NL

Preventing and treating nosocomial infections on ECMO

15:30 - 15:45

Speaker: Joan Balcells Ramirez, ES

Round-table discussion: Improving delivery of ECMO

15:45 - 16:00

Nurse Session

14:00 - 16:00

Moore

Interactive sessions around clinical cases

Chair: Sabine Valera, FR

Chair: Ann Alexanderson, SE

A V-A ECMO patient discussion

14:00 - 14:30

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| <i>Speaker:</i> Celia Junivart, FR | |
| A pediatric case discussion | 14:30 - 15:00 |
| <i>Speaker:</i> Maura O'Callaghan, GB | |
| A V-V ECMO patient discussion | 15:00 - 15:30 |
| <i>Speaker:</i> Riccardo Cusmà Piccione, IT | |
| A transport ECMO case | 15:30 - 16:00 |
| <i>Speaker:</i> Anna Lindberg, SE | |
| <i>Educational Corner</i> 14:00 - 15:00 | Burns |
| Emergencies on mechanical circulatory support 3 | |
| <i>Educational Corner</i> 14:00 - 15:00 | Keats |
| Membrane failure and circuit change on ECLS 1 | |
| <i>Educational Corner</i> 14:00 - 15:00 | Shelley |
| Trouble shooting V-V ECMO 2 | |
| <i>Educational Corner</i> 14:00 - 15:00 | Wesley |
| Adventure in pediatric ECMO 3 - ECMO in single ventricle | |
| <i>Educational Corner</i> 15:15 - 16:15 | Burns |
| Emergencies on mechanical circulatory support 4 | |
| <i>Educational Corner</i> 15:15 - 16:15 | Keats |
| Membrane failure and circuit change on ECLS 2 | |
| <i>Educational Corner</i> 15:15 - 16:15 | Shelley |
| ECPR cannulation 1 | |
| <i>Educational Corner</i> 15:15 - 16:15 | Wesley |
| Adventure in pediatric ECMO 4 - EMO PIMS TS | |
| <i>Poster Session</i> 16:00 - 16:45 | Britten/Whittle |
| Moderated Poster walk Adult - Perfusion 1 - Terminal 6 | |
| <i>Chair:</i> Antonella Degani, IT | |
| Evaluation's test of the intuitiveness about health workers in the management of the ECMOLIFE system in intensive care unit | 16:00 - 16:04 |

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| Normothermic regional perfusion provides better liver function preservation than hypothermic regional perfusion for circulatory death donors | 16:04 - 16:08 |
| Demographics and outcomes of COVID19 patients placed on ECMO at a platinum ECLS center | 16:08 - 16:12 |
| Use of nafamostat mesilate for anticoagulation during extracorporeal membrane oxygenation: A systematic review | 16:12 - 16:16 |
| Extracorporeal cardiopulmonary resuscitation (eCPR) - should the patient go to the machine or the machine to the patient? Experiences from 3 years of preclinical extracorporeal cardiopulmonary resuscitation in Freiburg | 16:16 - 16:20 |
| V-V ECMO in the management of acute Budd-Chiari syndrome | 16:20 - 16:24 |
| Observational duplex analysis of cannulated vessels during femoro-femoral veno-arterial extracorporeal membrane oxygenation | 16:24 - 16:28 |
| Evaluating simulation education in the training and certification of ECMO specialists – a systematic review | 16:28 - 16:31 |
| Neuroprotective effect of selective hypothermia cerebral perfusion in extracorporeal cardiopulmonary resuscitation for cardiac arrest: A pre-clinical study | 16:31 - 16:34 |
| Poster Session | |
| 16:00 - 16:45 | Britten/Whittle |
| Moderated Poster walk Pediatric - Respiratory failure 1 - Terminal 9 | |
| <i>Chair:</i> Lars Mikael Broman, SE | |
| VV-ECMO support as a late addition for infection-related respiratory failure in a 16-month old child | 16:00 - 16:05 |
| Risk factors associated with prolonged ECMO in children: A referral center cohorte study | 16:05 - 16:10 |
| It's not ACD but CAD: Implications for ECMO and palliation | 16:10 - 16:15 |
| Covid-19 positive severe respiratory failure requiring VV-ECMO - the Southampton pediatric experience | 16:15 - 16:20 |
| Awake ECMO in oncological child affected by COVID-19 | 16:20 - 16:25 |
| SARS-COV-2, MIS-C, hypoxemia and awake ECMO in a child | 16:25 - 16:30 |
| ECMO support for severe ARDS in a newborn with SARS-CoV-2 perinatal infection | 16:30 - 16:35 |
| <i>Speaker:</i> Francisco Abecasis, PT | |
| Expansion of an established cardiac ECMO programme to provision of VV-ECMO in a pediatric intensive care unit in the UK | 16:35 - 16:40 |

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| Early hemodynamic predictors of neonatal mortality after initiation of VA-ECMO in CDH | 16:40 - 16:45 |
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Poster Session

16:00 - 16:45

Britten/Whittle

Moderated Poster walk Pediatric - Other 1 - Terminal 10*Chair:* Jonathan Smith, GB

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| Dynamic platelets transfusion threshold in pediatric extra corporeal membrane oxygenation - giving less and gaining more | 16:00 - 16:05 |
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| Population pharmacokinetics model of levosimendan and metabolites in neonates and children: The impact of ECMO support | 16:05 - 16:10 |
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| Carboxyhemoglobin as an early marker of mechanical complications during extracorporeal membrane oxygenation in children | 16:10 - 16:15 |
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| Endogenous heparin-like substance in children on extracorporeal circulatory support devices anticoagulated with bivalirudin negatively affects laboratory monitoring | 16:15 - 16:20 |
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| Heparin related anticoagulation practice and clinical outcomes in pediatric post-cardiotomy extracorporeal membrane oxygenation | 16:20 - 16:25 |
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| Thirty years of non-cardiac neonatal extracorporeal membrane oxygenation from a regional program: Indications, survival and 4-year outcomes | 16:25 - 16:30 |
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Speaker: Lauren A. Ryan, CA*Poster Session*

16:00 - 16:45

Britten/Whittle

Moderated Poster walk Pediatric - Difficult cases/Nurse 1 - Terminal 7*Chair:* Maura O'Callaghan, GB*Chair:* Matteo Di Nardo, IT

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| Massive spontaneous pneumomediastinum associated with bronchiolitis and ARDS treated with veno-venous ECMO in an 11-month-old infant | 16:00 - 16:04 |
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| Clinical case of staged infective endocarditis treatment in 9 year old child. From extracorporeal membrane oxygenation to left ventricular assist device implantation | 16:04 - 16:08 |
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| Repeated extracorporeal cardiopulmonary resuscitation in a child with anomalous origin of the left coronary artery | 16:08 - 16:12 |
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| Endobronchial valve placement for the treatment of persistent air leak in a pediatric patient with COVID-19 on ECMO: A case report | 16:12 - 16:16 |
| Concurrent COVID19 pneumonia and systemic inflammatory syndrome in a two week old requiring ECMO | 16:16 - 16:20 |
| ECMO support in diabetic ketoacidosis | 16:20 - 16:24 |
| PPHN on ECMO - a bridge to diagnosis and treatment | 16:24 - 16:28 |
| Caring for a pediatric patient during the process of organ donation after circulatory death. Experiences from intensive care nurses' perspective. Protocol for a systematic review | 16:28 - 16:32 |
| Single-patient data meta-analysis on awake extracorporeal life support strategy applied to pediatric population: Feasibility and safety correlated to sedation weaning, extubation and physiotherapy | 16:32 - 16:36 |
| Single-patient data meta-analysis on awake extracorporeal life support strategy applied to adult population: Feasibility and safety correlated to sedation weaning, extubation, and physiotherapy | 16:36 - 16:40 |
| Lowering of vancomycin dosage in pediatric cardiac patients undergoing extracorporeal membrane oxygenation (ECMO) | 16:40 - 16:44 |
| <i>Poster Session</i> 16:00 - 16:45 | Britten/Whittle |
| Moderated Poster walk Adult - Cardiac failure 3 - Terminal 3 | |
| <i>Chair: Justyna Swol, DE</i> | |
| The effect of venoarterial extracorporeal membrane oxygenation on left ventricular function in cardiogenic shock with aortic stenosis or mitral regurgitation | 16:00 - 16:04 |
| Low-flow time and neurological intact survival in OHCA patients treated with and without extracorporeal cardiopulmonary resuscitation | 16:04 - 16:08 |
| Extracorporeal membrane oxygenation in transcatheter aortic valve implantation: A systematic review and meta-analysis | 16:08 - 16:12 |
| Temporary mechanical circulatory support in COVID-19 patients: A systematic review of literature | 16:12 - 16:16 |
| VA-ECMO as a bridge to heart transplantation: A brief analysis on the new heart allocation system in a Brazilian center | 16:16 - 16:20 |
| Annual variation in survival after OHCA treated with ECPR | 16:20 - 16:24 |
| Triple mechanical circulatory support systems approach to support an LVAD patient with combined right heart failure and severe post-cardiac arrest syndrome to cardiopulmonary | 16:24 - 16:28 |

recovery

An unusual presentation of a mixed overdose resulting in the need for Extra-Corporeal Life Support (ECLS) 16:28 - 16:32

Speaker: Stavros Eftychiou, GB

Role of VA-ECMO in traumatic cardiac arrest? A shock team guided pathway to decision making – a case report 16:32 - 16:36

Postcardiotomy V-A ECMO outcomes and utility of the postcardiotomy ECMO (PC-ECMO) score 16:36 - 16:40

Poster Session

16:00 - 16:45

Britten/Whittle

Moderated Poster walk Adult - Cardiac failure 1 - Terminal 1

Chair: Felix Hennig, DE

Chair: Kiran Shekar, AU

Treatment of right ventricular failure following heart transplant with percutaneous right ventricular assist device. A retrospective observational study 16:00 - 16:04

Massive pulmonary embolism in a patient with COVID-19 on VV-ECMO – catheter-directed thrombolysis to the rescue 16:04 - 16:08

Feasibility and safety of levosimendan in patients after cardiac arrest treated with eCPR 16:08 - 16:12

Outcomes after mechanical versus manual chest compressions in eCPR patients 16:12 - 16:16

Improvement of the ECMO dilation procedure with a novel telescoping dilator device 16:16 - 16:20

Comparison of blood trauma in an ovine model of cardiogenic shock supported by pulsatile- and continuous-flow VA-ECMO 16:20 - 16:24

Speaker: Silver Heinsar, AU

Incidence of venous and arterial complications in patients requiring veno-arterial extracorporeal membrane oxygenation 16:24 - 16:28

Speaker: Christoph Fisser, DE

Veno-Arterial ECMO: The Trieste intensive care unit 10-year experience 16:28 - 16:32

Regional cerebral oxygen saturation as an outcome-predicting marker for ECPR recipients: A meta-analysis 16:32 - 16:36

Heparin dosing in cardiogenic shock patients supported by short-term percutaneous microaxial left ventricular assist devices: Less might be more 16:36 - 16:40

Poster Session

16:00 - 16:45

Britten/Whittle

Moderated Poster walk Pediatric - Quality Improvement 1 - Terminal 8

Chair: Gillian Wylie, GB

Development of pediatric multidisciplinary ECMO simulations: A novel educational program to enhance team communication and emergency preparedness 16:00 - 16:05

The lack of standardized reporting of coagulation research in pediatric extracorporeal membrane oxygenation studies: A systematic review 16:05 - 16:10

Speaker: Joppe Drop, NL

Two-page echocardiography guideline for pediatric ECMO: Is everything the same? 16:10 - 16:15

Blood stream infections during extracorporeal membrane oxygenation in neonates and children: A retrospective audit spanning 5 years 16:15 - 16:20

Poster Session

16:00 - 16:45

Britten/Whittle

Moderated Poster walk Adult - Lab session - fundamental research 1 - Terminal 4

Chair: Christian Karagiannidis, DE

Chair: Christoph Benk, DE

Effect of sevoflurane versus propofol for inflammatory response during veno-venous extra corporeal membrane oxygenation 16:00 - 16:04

In vitro hemocompatibility screening of a slippery liquid impregnated surface coating for extracorporeal organ support applications 16:04 - 16:08

Combination of dexamethasone with venoarterial extracorporeal membrane oxygenation against myocardial injury by attenuating inflammatory response 16:08 - 16:12

Overcoming the cerebral no-reflow phenomenon after cardiac arrest by extracorporeal circulation: Preliminary results of a [15O] water PET study 16:12 - 16:16

Multi-day intensive care unit evaluation of a nitric oxide eluting extracorporeal life support circuit for heparin free ECCO2R 16:16 - 16:20

Comparison of vWF and ADAMTS-13 activity after smoke inhalation and burns managed with and without ECCO₂R???? 16:20 - 16:24

Changes in circulating H3 Histone levels during extracorporeal membrane oxygenation in patients with severe respiratory failure with correlation to haemostatic complications 16:24 - 16:27

Changes in fibrinolysis during extracorporeal membrane oxygenation in critically ill adult patients 16:27 - 16:30

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| A comparison of thrombin generation in an ex vivo circuit and critically ill patients requiring extracorporeal membrane oxygenation | 16:30 - 16:33 |
| Unloading the left ventricle during extracorporeal membrane oxygenation: Effects on cardiac performance in an experimental model of critical post-cardiotomy failure | 16:33 - 16:37 |
| Physical twin (mock circulatory loop) for evaluation of the impact of ECMELLA configuration on left ventricular pressure and work | 16:37 - 16:41 |
| A porcine model of changes in organ perfusion during veno-arterial extracorporeal membrane oxygenation in cardiac arrest after opening a high-flow arteriovenous fistula | 16:41 - 16:45 |

Poster Session
16:00 - 16:45

Britten/Whittle

Moderated Poster Walk 16:00

Poster Session
16:00 - 16:45

Britten/Whittle

Moderated Poster walk Adult - Cardiac failure 2 - Terminal 2

Chair: Thomas Mueller, DE

Chair: Dieter Dauwe, BE

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|---|---------------|
| Clinician perspectives on extracorporeal cardiopulmonary resuscitation: A mixed methods analysis | 16:00 - 16:04 |
| Neurological complication in post cardiotomy shock with ECMO | 16:04 - 16:08 |
| Comparison of the prognosis of patients with mixed cardiogenic-septic, cardiogenic and septic shock supported by veno-arterial extracorporeal membrane oxygenation | 16:08 - 16:12 |
| Outcomes of veno-arterial extracorporeal membrane oxygenation for drug intoxications: A single center, 14-year experience | 16:12 - 16:16 |
| Neuroinflammation and veno-arterial extracorporeal membrane oxygenation (V-A ECMO): Clinical evidence and literature review | 16:16 - 16:20 |
| Pupillometry during veno-arterial extracorporeal membrane oxygenation (V-A ECMO): An "eye inside the brain" | 16:20 - 16:24 |
| Early neurological assessment with pupillometry in cardiac arrest during resuscitation (EASY-CARE) | 16:24 - 16:28 |
| The role of cannulation strategies for postcardiotomy extracorporeal life support (PC-ECLS) on inpatient survival: A single center's experience | 16:28 - 16:32 |
| Effect of levosimendan use on mortality of extracorporeal cardiopulmonary resuscitation (ECPR) patients | 16:32 - 16:36 |

A single centre review of practices managing right ventricular dysfunction in patients on Extracorporeal Membrane Oxygenation (ECMO) 16:36 - 16:41

Poster Session

16:00 - 16:45

Britten/Whittle

Moderated Poster walk Adult - Nurse 1 - Terminal 5

Chair: Chirine Mossadegh, FR

Chair: Jo-Anne Fowles, GB

Nursing ECMO Target Temperature Management (TTM): A retrospective study 16:00 - 16:05

Speaker: Riccardo Cusmà Piccione, IT

CRRT on ECMO: A case report of an oxygenator thrombosis near miss 16:05 - 16:10

Speaker: Riccardo Cusmà Piccione, IT

ECMO emergencies: The nursing role 16:10 - 16:15

Speaker: Riccardo Cusmà Piccione, IT

Cerebral NIRS in ECMO: An algorithm to bedside ECMO nurse 16:15 - 16:20

Speaker: Riccardo Cusmà Piccione, IT

Evaluation of nursing records before and after multidisciplinary training in extracorporeal membrane oxygenation???? 16:20 - 16:24

ECMO nurses training courses: An international survey on EuroELSO ECMO centers 16:24 - 16:28

The FMECA (Failure Mode, Effects and Criticality Analysis) investigation seems an effective and feasible method to ensure clinical safety during transport of patients to VV-ECMO 16:28 - 16:32

Active participation during the educational process of Donation after Circulatory Death (DCD) at Extra Corporeal Membrane Oxygenation (ECMO) intensive care units. An intervention study 16:32 - 16:36

ECMO SAT- extracorporeal membrane oxygenation site assessment tool 16:36 - 16:40

Educational Corner

16:30 - 17:30

Burns

Emergencies on mechanical circulatory support 5

Educational Corner

16:30 - 17:30

Keats

Renal replacement therapy and plasmapheresis and ECMO 3

Educational Corner

16:30 - 17:30

Shelley

ECPR cannulation 2

Industry

16:30 - 17:15

Wordsworth

Training Unit by Medtronic - Crescent Masterclass - Dual lumen cannulation simulation*Educational Corner*

16:30 - 17:30

Wesley

Adventure in pediatric ECMO 5 - ECMO neck cannulation*Adult Session*

16:45 - 18:45

Fleming

In the cath lab - joint session with ACVC*Chair:* Federico Pappalardo, IT*Chair:* Christian Hassager, DK**Percutaneous revascularization in AMI**

16:45 - 17:05

Speaker: Christian Hassager, DK**Complex PCI**

17:05 - 17:25

Speaker: Divaka Perera, GB**Extracorporeal life support for acute coronary syndrome complicated with cardiogenic shock requiring PCI: The impact of the shock team on outcomes**

17:25 - 17:45

Speaker: Giacomo Bianchi, IT**Meet the experts around a complex case**

17:45 - 18:45

Speaker: Jan Belohlávek, CZ*Speaker:* Susanna Price, GB*Speaker:* Tobias Spangenberg, DE*Adult Session*

16:45 - 18:45

Churchill

Lessons from severe COVID ARDS*Chair:* Christian Karagiannidis, DE*Chair:* John Fraser, AU**COVID ARDS vs. non COVID ARDS: Common and difference**

16:45 - 17:00

Speaker: Luciano Gattinoni - remote, DE**ECMO outcomes in COVID**

17:00 - 17:15

Speaker: Daniel Brodie, US**Organization of ECMO resourouce during a pandemic**

17:15 - 17:30

Speaker: Giacomo Grasselli, IT**Lung transplant: Who is the right patient?**

17:30 - 17:45

Speaker: Peter Schellongowski - remote, AT**EuroECMO COVID survey results**

17:45 - 18:00

Speaker: Roberto Lorusso, NL**Veno-venous extracorporeal membrane oxygenation during COVID-19 pandemic: Case series**

18:00 - 18:03

Speaker: Stepan Maruniak - remote, UA

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| Does ECMO do better than conventional mechanical ventilation in COVID? Insight very recent studies | 18:03 - 18:04 |
| VV-ECMO for COVID-19: A comparative effectiveness analysis | 18:04 - 18:14 |
| <i>Speaker:</i> Eddy Fan, CA <i>Speaker:</i> John Fraser, AU | |
| Survival benefit of extracorporeal membrane oxygenation in severe COVID-19: A multi-center-matched cohort study | 18:14 - 18:24 |
| <i>Speaker:</i> Stephen Whebell - remote, AU | |
| ECMO for Severe ARDS associated with COVID-19: An emulated target trial analysis | 18:24 - 18:34 |
| <i>Speaker:</i> Matthieu Schmidt, FR | |
| Round-table discussion | 18:34 - 18:48 |

Pediatric Session

16:45 - 18:45

Mountbatten

Pediatric ECPR*Chair:* Tim Jones, GB*Chair:* Alessandra Rizza, IT*Chair:* Paolo Meani, NL

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|--|---------------|
| ECPR in neonates - criteria for support & outcomes | 16:45 - 17:00 |
| <i>Speaker:</i> Nathalie Rintoul, US | |
| ECPR in emergency room - challenges | 17:00 - 17:15 |
| <i>Speaker:</i> Sylvia Belda, ES | |
| Rescue ECMO in cath lab - how prepared can we be? | 17:15 - 17:30 |
| <i>Speaker:</i> Ravi Thiagarajan, US | |
| Influence of left ventricular unloading on pediatric veno-arterial extracorporeal life support outcomes | 17:30 - 17:45 |
| <i>Speaker:</i> Paolo Meani, NL | |
| ECPR in non-cardiac patients - who is a candidate? | 17:45 - 18:00 |
| <i>Speaker:</i> Elizabeth Henderson, GB | |
| Improving neurological outcomes post ECPR | 18:00 - 18:15 |
| <i>Speaker:</i> Melania Bembea, US | |
| Round-table discussion: My ECPR system and outcomes | 18:15 - 18:30 |

Perfusionist Session

16:45 - 18:45

St. James*

Circuits and pumps*Chair:* Prakash Punjabi, GB*Chair:* Leen Vercaemst, BE

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|---|---------------|
| The current spectrum of blood pump technology | 16:45 - 17:00 |
| <i>Speaker:</i> Christoph Benk, DE | |
| Specific drawbacks of current blood pumps technology | 17:00 - 17:15 |

Speaker: Velia Antonini, IT

Advantages and disadvantages of axial blood pumps 17:15 - 17:30

Speaker: Antonella Degani, IT

First applications of the CARL system in out-of-hospital cardiac arrest 17:30 - 17:45

Speaker: Alois Philipp, DE

Setting an ECMO software simulator 17:45 - 18:00

Speaker: Libera Fresiello, NL

Anticoagulation targets 18:00 - 18:15

Speaker: Prakash Punjabi, GB

When to change the circuit? 18:15 - 18:30

Speaker: Alois Philipp, DE

Round-table discussion 18:30 - 18:45

Adult Session

16:45 - 18:45

Westminster

Monitoring a severe ARDS patients - joint session with ESICM

Chair: Mirko Belliato, IT

Chair: Konstanty Szuldrzynski, PL

Monitoring native lung function using the membrane lung 16:45 - 17:00

Speaker: Jordi Riera, ES

What can the CT scan in ARDS tell us about lung physiology? 17:00 - 17:15

Speaker: Christoph Fisser, DE

A comparison of echocardiographic findings in critically ill patients with COVID-19 with and without extracorporeal membrane oxygenation 17:15 - 17:30

Speaker: Diana Morales Castro, CA

What is the role for echocardiography in respiratory failure on ECMO? 17:30 - 17:45

Speaker: Dieter Dauwe, BE

Is there a role for electrical impedance tomography on ECMO? 17:45 - 18:00

Speaker: Matthieu Schmidt, FR

Is there a role for oesophageal pressure on ECMO? 18:00 - 18:15

Speaker: Mirko Belliato, IT

Is there a role for lung & diaphragmatic US on ECMO? 18:15 - 18:30

Speaker: Leo Heunks - remote, NL

Round-table discussion: Ideal monitoring package 18:30 - 18:45

Pediatric Session

16:45 - 18:45

Windsor

Research on ECMO in children*Chair:* Angelo Polito, CH*Chair:* Katharina Schmitt, DE*Chair:* Alejandro V Garcia, US**Update from PEACE projects and outcomes**

16:45 - 17:00

Speaker: Heidi Dalton, US**Establishment of a research network in pediatric critical care in Japan and Asia; challenges and future vision in ECMO research**

17:00 - 17:15

Speaker: Atsushi Kawaguchi, JP**Research on therapeutic drug monitoring on ECMO**

17:15 - 17:30

Speaker: Enno Wildschut, NL**Cerebral reperfusion injury in hypoxic arrest using a novel pediatric porcine model of extracorporeal cardiopulmonary resuscitation**

17:30 - 17:45

Speaker: Alejandro V Garcia, US**Research on newer modalities of monitoring lung function on ECMO**

17:45 - 18:00

Speaker: Matteo Di Nardo, IT**Research on VADs**

18:00 - 18:15

Speaker: Brigitte Stiller, DE**Why is it difficult to do research on ECMO in Europe?**

18:15 - 18:30

Speaker: Katherine Brown, GB**Round-table - PediECMO - increasing collaboration for research from Europe**

18:30 - 18:45

Nurse Session

16:45 - 18:45

Moore

Around and beyond the ECMO*Chair:* Riccardo Cusmà Piccione, IT*Chair:* Chirine Mossadegh, FR**Prone on ECMO**

16:45 - 17:00

Speaker: Celia Junivart, FR**Ambulation on ECMO**

17:00 - 17:15

Speaker: Daniel Herr, US**Skin care on ECMO**

17:15 - 17:30

Speaker: Laura Kelly, GB**The development of a UK and Ireland consensus document for early rehabilitation and mobilisation of neonatal and pediatric ECMO patients**

17:30 - 17:45

Speaker: Jennie Balls, GB**How to take care about family members?**

17:45 - 18:00

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| <i>Speaker:</i> Serena O'Brien, IE | |
| How to take care of parents and siblings of children supported on ECMO? | 18:00 - 18:15 |
| <i>Speaker:</i> Ann Alexanderson, SE | |
| The post ECMO consult | 18:15 - 18:30 |
| <i>Speaker:</i> Jo-Anne Fowles, GB | |
| Round-table discussion | 18:30 - 18:45 |
| <i>Educational Corner</i> | |
| 17:45 - 18:45 | Burns |
| Emergencies on mechanical circulatory support 6 | |
| <i>Educational Corner</i> | |
| 17:45 - 18:45 | Keats |
| Renal replacement therapy and plasmapheresis and ECMO 4 | |
| <i>Educational Corner</i> | |
| 17:45 - 18:45 | Shelley |
| ECPR cannulation 3 | |
| <i>Educational Corner</i> | |
| 17:45 - 18:45 | Wesley |
| Adventure in pediatric ECMO 6 - ECPR central cannulation | |
| <i>Poster Session</i> | |
| 18:45 - 19:45 | Britten/Whittle |
| Moderated Poster walk Pediatric - Cardiac failure 1 - Terminal 8 | |
| "ECMO" miracle or a device 15-year experience at pediatric cardiac intensive care unit. Prince Sultan Cardiac Centre, Riyadh, Saudi Arabia | 18:45 - 18:49 |
| Veno-Arterial extra-corporeal membrane oxygenation support for acute fulminant myocarditis in pediatric patients | 18:49 - 18:53 |
| Extracorporeal membrane oxygenation following pediatric cardiopulmonary bypass: A retrospective review on predictors and outcomes at Birmingham Children's Hospital | 18:53 - 18:57 |
| Survival of children and adult congenital heart patients bridged to heart transplant with ECMO and VAD at a single center | 18:57 - 19:01 |
| Single center experience of extracorporeal membrane oxygenation use in congenital heart disease treatment in children of first year of life | 19:01 - 19:05 |
| Acute myocarditis after use of propofol | 19:05 - 19:09 |
| ECPELLA (ECMO with Impella) use following e-CPR | 19:09 - 19:13 |

(extracorporeal cardiopulmonary-resuscitation) in a pediatric adolescent under the institutional adult shock program

Speaker: Ajay Desai, GB

COVID-19 and severe myocarditis in the infant: A case report 19:13 - 19:17

Thrombocytopenia and morbidity in pediatric post-cardiotomy veno-arterial extracorporeal membrane failed to wean from cardiopulmonary bypass 19:17 - 19:21

Learning curve and technical/clinical changes in VA pediatric ECMO: Single centre experience 19:21 - 19:25

Clinical profile and factors associated with in-hospital mortality after extracorporeal membrane oxygenation in neonates and children with acute myocarditis/cardiomyopathy: A single-centre 14-year experience 19:25 - 19:29

Poster Session

18:45 - 19:45

Britten/Whittle

Moderated Poster walk Adult - Respiratory failure 1 - Terminal 1

Chair: Thomas Mueller, DE

Incidence of clinically significant bleeding and thromboembolism among patients with leptospirosis requiring extra corporeal membrane oxygenation: A descriptive study 18:45 - 18:49

Pregnancy, COVID 19 and ECMO: It can be performed safely 18:49 - 18:53

Analysis of fibre configurations and specifications for the development of a novel, highly integrated artificial device combining pulmonary and renal support 18:53 - 18:57

Study on the relationship between ECMO introduction and obesity paradox in COVID-19 patients 18:57 - 19:01

Improving oxygenation with beta-blockers during veno-venous ECMO in COVID-19 pneumonia 19:01 - 19:05

The investigation of KL-6 in the most severe COVID-19 cases requiring ECMO 19:05 - 19:09

Cerebrovascular complications for COVID-19 patients supported by veno-venous extracorporeal membrane oxygenation 19:09 - 19:13

A retrospective analysis of COVID-19-associated ARDS patients with extensive lung aeration loss during veno-venous ECMO 19:13 - 19:13

A multidisciplinary effort to improve ECMO management during the COVID-19 pandemic 19:13 - 19:13

Poster Session

18:45 - 19:45

Britten/Whittle

Moderated Poster walk Adult - Respiratory failure 3 - Terminal 3

Chair: Martin Balik, CZ

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| Morbidly obese COVID-19 patients have similar survival rates to the non-morbidly obese when supported by veno-venous extracorporeal membrane oxygenation | 18:45 - 18:49 |
| Prevalence and outcome of patients with bronchopleural fistula requiring extra-corporeal membrane oxygenation for severe respiratory failure | 18:49 - 18:53 |
| Physiotherapy intervention and patients on VV-ECMO due to COVID-19 | 18:53 - 18:57 |
| Characteristics and outcomes of Veno-venous extracorporeal membrane oxygenation (VV-ECMO) for COVID-19 across pandemic waves | 18:57 - 19:01 |
| Extracorporeal membrane oxygenation for critically ill patients with COVID-19 pneumonia: A propensity-matched cohort study | 19:01 - 19:05 |
| VV ECMO FOR PERIPARTUM COVID -19 PNEUMONIA RELATED ARDS | 19:05 - 19:09 |
| VV-ECMO for COVID-19 related ARDS during pregnancy | 19:09 - 19:13 |
| Lower PRESET scores correspond to decreased mortality rates in COVID-19 patients on VV-ECMO | 19:13 - 19:17 |
| Mobilization and awake extracorporeal membrane oxygenation for COVID-19 acute respiratory distress syndrome: A prolonged course with successful outcome | 19:17 - 19:21 |
| The first mobile extracorporeal membrane oxygenation (ECMO) course in Japan | 19:21 - 19:25 |

Poster Session

18:45 - 19:45

Britten/Whittle

Moderated Poster walk Adult - Respiratory failure 2 - Terminal 2

Chair: Alberto Zanella, IT

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| The impact of COVID-19 on the use of the Passy Muir Valve (PMV) with veno-venous extra corporeal membrane oxygenation (VV-ECMO) patients | 18:45 - 18:49 |
| Outcome of patients with severe acute hypoxaemic respiratory failure receiving extracorporeal membrane oxygenation: Single center comparison between COVID-19 and non-COVID-19 aetiologies | 18:49 - 18:53 |
| Unfractionated heparin anticoagulation monitoring during veno-venous ECMO in COVID-19 patients: A retrospective analysis | 18:53 - 18:57 |
| Blood purification therapy in patients with severe COVID-19 | 18:57 - 19:01 |

requiring veno-venous ECMO therapy: A retrospective study

Our experience: ECMO referrals from a remote district general hospital in the UK (The Royal Cornwall Hospital) 19:01 - 19:05

Outcomes in patients with COVID-19 induced acute respiratory distress syndrome receiving venovenous extracorporeal membrane oxygenation: An inverse probability weighted analysis 19:05 - 19:09

ECMO utilization with adjunctive hemoadsorption therapy in COVID-19 patients: An observational analysis from the CytoSorb therapy in COVID-19 (CTC) registry 19:09 - 19:13

Corticosteroid exposure and outcome in patients with severe COVID-19 receiving veno-venous extracorporeal membrane oxygenation 19:13 - 19:17

Percutaneous Tracheostomy in patients with COVID-19 supported with VV ECMO: A case series and review of the literature 19:17 - 19:21

A single centre retrospective observational study comparing the sedative requirements of patients with COVID-19 requiring ECMO compared to a historical control 19:21 - 19:25

Hemodynamic assessment of six commercially available oxygenators as paracorporeal artificial lung by a hybrid simulator 19:25 - 19:29

Poster Session

18:45 - 19:45

Britten/Whittle

Moderated Poster Walk 18:45*Poster Session*

18:45 - 19:45

Britten/Whittle

Moderated Poster walk Adult - Respiratory failure 4 - Terminal 4*Chair:* Ahmed Rabie, SA

Risk factors of thrombotic complications in COVID-19 patients with ECMO support 18:45 - 18:49

The impact of duration of symptoms prior to extracorporeal membrane oxygenation initiation on outcomes of COVID-19 patients 18:49 - 18:53

Severe COVID-19 in postpartum women: Respiratory failure and pulmonary embolism after ECMO 18:53 - 18:57

Add-on prostaglandin e₁ in venovenous extracorporeal membrane oxygenation: A randomized, double-blind, placebo-controlled trial 18:57 - 19:01

Intracranial hemorrhage and veno-venous ECMO. A retrospective single center analysis 19:01 - 19:05

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|---|---------------|
| Long-term outcome of extracorporeal membrane oxygenation in COVID-19 related severe respiratory failure in low-volume ECMO centre | 19:05 - 19:09 |
| Advantages of anticoagulation with bivalirudin in ECMO therapy for Covid-19 related ARDS | 19:09 - 19:13 |
| Increased bleeding risk in COVID-19 patients on VV-ECMO | 19:13 - 19:17 |
| Pathologic evaluation of COVID-19 related ARDS patients under ECMO support - is this a reversible late ARDS form ? | 19:17 - 19:21 |
| Successful ECMO support to a lung transplanted patient after Covid-19 related ARDS | 19:21 - 19:25 |
| Trends in survival during the pandemic in patients with severe COVID-19 receiving ventilation with or without ECMO: Final analysis of the Japanese national registry | 19:25 - 19:29 |

Poster Session
18:45 - 19:45

Britten/Whittle

Moderated Poster walk Adult - Other 1 - Terminal 6

Chair: Felix Hennig, DE

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| What happens if gas blender doesn't work? A case report <i>Speaker:</i> Riccardo Cusmà Piccione, IT | 18:45 - 18:49 |
| 4 Point Safety Bundle as a measure to reduce risk of cannulae migration | 18:49 - 18:53 |
| Profound leukopenia prior to veno-venous ECMO as a predictor of poor outcomes | 18:53 - 18:57 |
| Factors associated with acute kidney injury in patients receiving extracorporeal membrane oxygenation | 18:57 - 19:01 |
| How safe is extracorporeal membrane oxygenation in thoracic surgery? A high-volume single center experience | 19:01 - 19:05 |
| Functionality assessment of ECMO ultrasound-guided cannulation training simulators | 19:05 - 19:09 |
| A case study on the impact of active rehabilitation supported with veno-venous extra corporeal membrane oxygenation (VV-ECMO) with a patient with profound hypoxaemia | 19:09 - 19:13 |
| A reflection on the evolving role of active rehabilitation and physiotherapy with COVID-19 patients supported with VV-ECMO | 19:13 - 19:17 |

Poster Session
18:45 - 19:45

Britten/Whittle

Moderated Poster walk Adult - Respiratory failure 5 - Terminal 5

Chair: Lars Mikael Broman, SE

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| Extracorporeal membrane oxygenation for COVID-19: | 18:45 - 18:49 |
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Intracranial coagulopathy and mortality

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| An audit of time to achieve rehabilitation milestones in critically-ill covid-19 patients requiring VV-ECLS | 18:49 - 18:53 |
| Conclusions from 347 days on Venovenous ECMO: The longest reported ECLS run in the COVID era | 18:53 - 18:57 |
| Successful use of VV-ECMO for ARDS in a patient with spontaneous intracerebral hemorrhage | 18:57 - 19:01 |
| Outcomes of transferred versus directly admitted patients requiring venovenous extracorporeal membrane oxygenation | 19:01 - 19:05 |
| Transesophageal echocardiography-guided bedside extracorporeal membrane oxygenation cannulation in COVID-19 patients | 19:05 - 19:09 |
| Outcomes of extracorporeal membrane oxygenation in patients with COVID-19 infection based on duration of extracorporeal membrane oxygenation | 19:09 - 19:13 |
| Early prone positioning under VV-ECMO in SARS-CoV-2-induced acute respiratory distress syndrome - a retrospective cohort study | 19:13 - 19:17 |
| Results after V-V ECMO use in COVID-19 patients. Comparative analysis of outcomes and profile of the population along 5 waves of the pandemic | 19:17 - 19:21 |
| Ongoing long-term VV-ECMO support for recovery of COVID-ARDS lung | 19:21 - 19:25 |
| Veno-venous extracorporeal membrane oxygenation therapy in aspiration syndrome after elective cardiac surgery: Case report???? | 19:25 - 19:29 |

Poster Session

18:45 - 19:45

Britten/Whittle

Moderated Poster walk Adult - Other 2 - Terminal 7*Chair:* Dirk Donker, NL

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|---|---------------|
| Discrepant aPTT prolongation due to contact activation in extracorporeal circulatory devices: A case series | 18:45 - 18:49 |
| Implementation of a new emergency protocol and multidisciplinary training program following significant Extracorporeal Membrane Oxygenation (ECMO) circuit air entrainment | 18:49 - 18:53 |
| Screening for delirium in patients requiring ECMO support using a purpose-designed app | 18:53 - 18:57 |
| Extracorporeal membrane oxygenation – an Australian single centre experience | 18:57 - 19:01 |

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|---|---------------|
| Disparities in health care: A global update from the Covid-Critical Care Consortium (CCCC) | 19:01 - 19:05 |
| The role of sunshine therapy in patients on extracorporeal membrane oxygenator | 19:05 - 19:09 |
| ECMO during pregnancy and peripartum period: 12 years of experience in a tertiary care center | 19:09 - 19:13 |
| Systemic Inflammatory Response Syndrome (SIRS) after VA-ECMO: In-hospital outcomes and risk factors <i>Speaker:</i> Giacomo Bianchi, IT | 19:13 - 19:17 |
| ECLS in trauma: A single-center review | 19:17 - 19:21 |
| Maternal and neonatal outcomes of critically ill pregnant women with COVID-19: Experience from Kuwait's national COVID-19 Center | 19:21 - 19:25 |
| Comprehensive simulation based ECMO course – national education program in Poland | 19:25 - 19:29 |

Friday, 06. May 2022*Industry*

08:00 - 08:45

Fleming

Getinge Breakfast Industry session 2*Internal Session*

08:00 - 18:00

Rutherford

Speaker's Preview Room*Adult Session*

09:00 - 10:00

Fleming

Bridge to destination in respiratory failure*Chair:* Mirko Belliato, IT*Chair:* Konstanty Szuldrzynski, PL**Weaning strategies on VV-ECMO**

09:00 - 09:15

Speaker: Ibrahim Fawzy, QA**Unweanable ECMO patients: When should we consider transplantation?**

09:15 - 09:30

Speaker: Alain Vuylsteke, GB**Lung transplant on ECMO, what is different from the surgical side?**

09:30 - 09:45

Speaker: John Dunning, GB**Ex-vivo lung perfusion: Technical aspects and outcome**

09:45 - 10:00

Speaker: Alberto Zanella, IT*Adult Session*

09:00 - 10:00

Churchill

Bridge to long term MCS in cardiac failure*Chair:* Dieter Dauwe, BE*Chair:* Dirk Donker, NL**Timely recognition of the unweanable patients**

09:00 - 09:15

Speaker: Santiago Montero, ES**Ventricular assist devices: Indication and outcome**

09:15 - 09:30

Speaker: Felix Hennig, DE**RV performance on long-term MCS**

09:30 - 09:45

Speaker: Federico Pappalardo, IT**Long term MCS: What is in the pipeline?**

09:45 - 10:00

Speaker: John Fraser, AU

Pediatric Session

09:00 - 10:00

Mountbatten

Anticoagulation on ECMO in children*Chair:* Uri Pollak, IL*Chair:* Virginie Fouilloux, FR

Monitoring anticoagulation on ECMO: Do we need sophisticated tests? Yes 09:00 - 09:15

Speaker: Alessandra Rizza, IT

Monitoring anticoagulation on ECMO: Do we need sophisticated tests? No 09:15 - 09:30

Speaker: Jane Cassidy, GB

Anti-factor Xa based anticoagulation on ECMO 09:30 - 09:45

Speaker: Guiseppe Isgro, IT

Target-controlled coagulation factor substitution in ECMO patients 09:45 - 10:00

Speaker: Heleen Van Ommen, NL*Pediatric Session*

09:00 - 10:00

St. James*

Neonatal ECMO*Chair:* Giacomo Cavallaro, IT*Chair:* Nathalie Rintoul, US

CDH Debate - can you convince the audience to repair defect on ECMO? Pro 09:00 - 09:08

Speaker: Chris Harvey, GB

CDH Debate - can you convince the audience to repair defect on ECMO? Con 09:08 - 09:16

Speaker: Thomas Schaible, DE

Learning from ELSO registry - improving outcomes in children with CDH 09:16 - 09:31

Speaker: Yigit Guner, US

Debate V-V ECMO cannulation in neonates - multisite cannulation 09:31 - 09:38

Speaker: Jon Lillie, GB

Debate V-V ECMO cannulation in neonates - single site dual lumen cannulation 09:38 - 09:45

Speaker: Andrea Moscatelli, IT

Silent neurological injury in neonates 09:45 - 10:00

Speaker: Aparna Hoskote, GB

Adult Session

09:00 - 10:00

Windsor

Anticoagulation and biocompatibility*Chair:* Andrew Retter, GB*Chair:* Heidi Dalton, US**Optimal anticoagulation targets on ECMO**

09:00 - 09:15

Speaker: Guiseppe Isgro, IT**Assessing biocompatibility in the lab**

09:15 - 09:30

Speaker: Christoph Benk, DE**Factor XII and ECMO**

09:30 - 09:45

Speaker: Heidi Dalton, US**AT III: Friend or foe?**

09:45 - 10:00

Speaker: Lars Mikael Broman, SE*Coffee corner*

09:00 - 10:00

Moore

Meet and discuss with the experts - EOLIA: What's next ?*Expert:* Alain Combes, FR*Chair:* Thomas Bein, DE*Industry*

09:00 - 18:00

Byron

Training Unit by CARL.*Educational Corner*

09:00 - 10:00

Keats

Renal replacement therapy and plasmapheresis and ECMO 5*Educational Corner*

09:00 - 10:00

Shelley

How to perform perfect simulation 2*Industry*

09:00 - 09:45

Wordsworth

Training Unit by Medtronic - Crescent Masterclass - Dual lumen cannulation simulation*Educational Corner*

09:00 - 10:00

Wesley

Adventure in pediatric ECMO 7 - CRRT on ECMO *CRRT on ECMO“ is merged with "Renal replacement therapy..." and moved from Wesley to Keats**Industry*

09:00 - 18:00

Abbey

Training Unit by Getinge*Educational Corner*

09:30 - 10:30

Burns

Managing refractory hypoxemia on V-V ECMO

Adult Session

10:30 - 12:30

Fleming

ECMO in adult cardiothoracic surgery/interventional cardiology

Chair: Roberto Lorusso, NL

Chair: Felix Hennig, DE

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|--|---------------|
| Acute cardiac complications: Urgent cardiac surgery is better than ECMO stabilisation (PRO) | 10:30 - 10:45 |
| Speaker: Jose Henriques, NL | |
| Acute cardiac complications: Urgent cardiac surgery is better than ECMO stabilisation (CON) | 10:45 - 11:00 |
| Speaker: Richard Trimlett, GB | |
| ECMO post cardiectomy: Rescue or routine? | 11:00 - 11:15 |
| Speaker: Bart Meyns, BE | |
| Impact of primary procedures on outcome in patients requiring postcardiectomy extracorporeal life support | 11:15 - 11:30 |
| Speaker: Anne-Kristin Schaefer, AT | |
| ECMO to improve INTERMACS and outcomes: Have we made any progress? | 11:30 - 11:45 |
| Speaker: Tim Hayes, GB | |
| Mechanical circulatory support protected PCI is better than urgent CABG (PRO) | 11:45 - 12:00 |
| Speaker: Jan Belohlávek, CZ | |
| Mechanical circulatory support protected PCI is better than urgent CABG (CON) | 12:00 - 12:15 |
| Speaker: Felix Hennig, DE | |
| What's next in the pipeline? The industry prospective... | 12:15 - 12:30 |
| Speaker: Jesse Wouters, CH | |

Adult Session

10:30 - 12:30

Churchill

Is it worth having an ECMO program?

Chair: Thomas Bein, DE

Chair: Laura Kelly, GB

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| Economic impact on the individual and society in Europe | 10:30 - 10:45 |
| Speaker: Edmund Carton, IE | |
| Launching an ECMO program during a pandemic | 10:45 - 11:00 |
| Speaker: Ahmed Rabie, SA | |
| Long term outcomes of V-V ECMO | 11:00 - 11:15 |
| Speaker: Konstanty Szuldrzynski, PL | |
| Long term outcomes after V-A ECMO | 11:15 - 11:30 |
| Speaker: Pranya Sakiyalak, TH | |
| It's not just the prices: Sources of cost variation for initiation of veno-venous extra corporeal membrane oxygenation at three | 11:30 - 11:45 |

international sites*Speaker:* Michael Nurok, US**Should we have a liberal access to ECMO? (PRO)**

11:45 - 12:00

Speaker: Christian Karagiannidis, DE**Should we have a liberal access to ECMO? (CON)**

12:00 - 12:15

Speaker: Alain Vuylsteke, GB**Round-table discussion**

12:15 - 12:30

Pediatric Session

10:30 - 12:30

Mounthatten

Conundrums in pediatric ECMO*Chair:* Enno Wildschut, NL*Chair:* Francisco Abecasis, PT*Chair:* Hannah Elisabeth Fuerniss, DE**ECMO in pediatric trauma**

10:30 - 10:45

Speaker: Sylvia Belda, ES**Cardiorenal syndrome on ECMO**

10:45 - 11:00

Speaker: Mirela Bojan, FR**Are co-morbidities no longer relevant in patient selection?**

11:00 - 11:15

Speaker: Matthew Paden, US**Withholding ECMO is better than withdrawing (PRO)**

11:15 - 11:22

Speaker: Joe Brierley, GB**Withholding ECMO is better than withdrawing (CON)**

11:22 - 11:29

Speaker: Peter Roeleveld, NL**Continuous flow ventricular assist devices in children – how to bridge the gap the HVAD left behind?**

11:29 - 11:44

Speaker: Hannah Elisabeth Fuerniss, DE**Organ donation from ECMO-DCD, DBD - how to do it?**

11:44 - 11:59

Speaker: Malaika Mendonca, CH**Ex vivo perfusion for pediatric heart transplant**

11:59 - 12:14

Speaker: Thilo Fleck, DE**Round-table discussion**

12:14 - 12:30

Pediatric Session

10:30 - 12:30

St. James*

Respiratory ECMO*Chair:* Katherine Brown, GB*Chair:* Jonathan Smith, GB**V-V versus V-A ECMO in inotrope dependent paediatric ARDS patients**

10:30 - 10:45

Speaker: Matthew Paden, US

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| Any new (or recycled old) recruitment strategies on respiratory ECMO | 10:45 - 11:00 |
| <i>Speaker:</i> Robert Jan Houmes, NL | |
| Bridging to lung transplant - scope, strategies and outcomes | 11:00 - 11:15 |
| <i>Speaker:</i> Joan Balcells Ramirez, ES | |
| Rehabilitation on ECMO - strategies and standards | 11:15 - 11:30 |
| <i>Speaker:</i> Lee Carter, GB | |
| Pediatric and neonatal Covid-19 pneumonitis: Deciding on candidacy for extracorporeal membranous oxygenation - a difficult dilemma | 11:30 - 11:45 |
| <i>Speaker:</i> Huw Mayberry, GB | |
| Hemolysis, plasma free hemoglobin and mortality in neonates receiving venovenous ECMO for severe respiratory failure: A prospective observational study | 11:45 - 12:00 |
| <i>Speaker:</i> Florian Kipfmüller, DE | |
| Primary graft failure after lung transplant | 12:00 - 12:15 |
| <i>Speaker:</i> Matteo Di Nardo, IT | |
| Round-table discussion on 'open lung versus partial/total lung atelectasis' | 12:15 - 12:30 |

Adult Session
10:30 - 12:30

Windsor

Education / Simulation

Chair: Justyna Swol, DE

Chair: Simon Finney, GB

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| ELSO education program | 10:30 - 10:45 |
| <i>Speaker:</i> Velia Antonini, IT | |
| How to build a multidisciplinary simulation program? | 10:45 - 11:00 |
| <i>Speaker:</i> Chirine Mossadegh, FR | |
| Simulation - human factors | 11:00 - 11:15 |
| <i>Speaker:</i> Ibrahim Fawzy, QA | |
| <i>Speaker:</i> Ali Ait Hssain, QA | |
| The management staircase for hypoxaemia in patients receiving VV-ECMO | 11:15 - 11:30 |
| <i>Speaker:</i> Alex Rosenberg, GB | |
| State of the art of ECMO simulators | 11:30 - 11:45 |
| <i>Speaker:</i> Justyna Swol, DE | |
| Is education without simulation still valid? | 11:45 - 12:00 |
| <i>Speaker:</i> Lise Piquilloud, CH | |
| Simulation in pediatric ECMO | 12:00 - 12:15 |
| <i>Speaker:</i> Mirjana Cvetkovic, GB | |

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| Round-table discussion: How to improve ECMO education in Europe? | 12:15 - 12:30 |
| <i>Coffee corner</i> 10:30 - 11:30 Meet and discuss with the experts - the future of treatment in cardiogenic shock <i>Chair:</i> Thomas Mueller, DE <i>Expert:</i> Alain Combes, FR <i>Expert:</i> Susanna Price, GB | Britten/Whittle |
| <i>Educational Corner</i> 10:30 - 11:30 Renal replacement therapy and plasmapheresis and ECMO 6 | Keats |
| <i>Educational Corner</i> 10:30 - 11:30 Trouble shooting V-V ECMO 3 | Shelley |
| <i>Educational Corner</i> 10:30 - 11:30 Adventure in pediatric ECMO 8 - ECMO in CDH | Wesley |
| <i>Educational Corner</i> 11:45 - 12:45 Renal replacement therapy and plasmapheresis and ECMO 7 | Keats |
| <i>Educational Corner</i> 11:45 - 12:45 SAIE Group Meeting | Shelley |
| <i>Educational Corner</i> 11:45 - 12:45 Adventure in pediatric ECMO 9 - ECMO transport | Wesley |
| <i>Industry</i> 12:45 - 13:45 Medtronic Industry session 4 | Fleming |
| <i>Industry</i> 12:45 - 13:30 CARL. Industry session 5 | Mountbatten |
| <i>Industry</i> 12:45 - 13:45 ABIOMED Europe Industry session 6 | St. James* |
| <i>Internal Session</i> 12:45 - 14:00 SAIE Working group meeting | Shelley |

Adult Session

14:00 - 16:00

Fleming

Adult ECPR*Chair:* Alain Combes, FR*Chair:* Thomas Mueller, DE**ECPR - selecting who will benefit** 14:00 - 14:15*Speaker:* Ali Ait Hssain, QA*Speaker:* Ibrahim Fawzy, QA**ECPR - team organisation** 14:15 - 14:30*Speaker:* Justyna Swol, DE**The estimated incidence of candidates for extracorporeal cardiopulmonary resuscitation amongst out-of-hospital cardiac arrests in Sweden, a registry based study** 14:30 - 14:45*Speaker:* Carl-Henrik Ölander, SE**Pro/con ECPR on the scene** 14:45 - 15:00*Speaker:* Alex Rosenberg, GB**Pro/con ECPR in the hospital** 15:00 - 15:15*Speaker:* Martin Balik, CZ**Practical aspects of ECPR - live demonstration event** 15:15 - 15:30*Speaker:* Simon Finney, GB*Speaker:* Ben Singer, GB*Speaker:* Mamoun Abu Habsa, GB*Adult Session*

14:00 - 16:00

Churchill

MDT - awake ECMO*Chair:* Daniel Herr, US*Chair:* Nicholas Hart, GB**Tracheostomy on ECMO** 14:00 - 14:15*Speaker:* Christoph Fisser, DE**Challenges in nursing the awake ECMO patient** 14:15 - 14:30*Speaker:* Chirine Mossadegh, FR**Long term ventilatory weaning post ECMO** 14:30 - 14:45*Speaker:* Nicholas Hart, GB**Chest clearance in the awake ECMO patient** 14:45 - 15:00*Speaker:* Kelly Morris, GB**Level of sedation in patients with COVID-19 supported with ECMO: A comparative analysis of the Critical Care Consortium international database** 15:00 - 15:15*Speaker:* Silver Heinsar, AU**Speech and language assessment on ECMO** 15:15 - 15:30*Speaker:* Jenny Clark, GB**Psychological support of patients, family, and staff** 15:30 - 15:45

Speaker: Alexandra Quigley, GB

Round-table discussion

15:45 - 16:00

Pediatric Session

14:00 - 16:00

Mountbatten

Pediatric ECMO: Getting the weaning right

Chair: Matteo Di Nardo, IT

Chair: Marisa Vieira, PT

Chair: Jerome Rambaud, FR

V-V ECMO weaning - doing it right

14:00 - 14:15

Speaker: Uri Pollak, IL

V-A ECMO weaning - doing it right

14:15 - 14:30

Speaker: Tim Jones, GB

Mechanical ventilator setting during extracorporeal membrane oxygenation for pediatric acute respiratory distress syndrome: An European observational study

14:30 - 14:45

Speaker: Jerome Rambaud, FR

Retrograde flow on weaning: Pros and cons

14:45 - 15:00

Speaker: Chris Harvey, GB

Failure to wean: Respiratory ECMO strategies to enhance lung recovery

15:00 - 15:15

Speaker: Lakshmi Raman, US

Failure to wean: Cardiac ECMO strategies

15:15 - 15:30

Speaker: Katharina Schmitt, DE

Vessel reconstruction and vascular follow-up following peripheral V-A ECMO

15:30 - 15:45

Speaker: Giles Peek, US

Round-table discussion

15:45 - 16:00

Pediatric Session

14:00 - 16:00

St. James*

State of art acute heart failure in children

Chair: Peter Roeleveld, NL

Chair: Aparna Hoskote, GB

Chair: Laurance Lequier, CA

Myocardial failure in neonates - management

14:00 - 14:15

Speaker: Judit Llevadías Jane, GB

ECMO in heart failure from congenital heart disease - improving outcomes

14:15 - 14:30

Speaker: Roberto Chiletto, AU

Cardiac involvement in Covid-19 infection

14:30 - 14:45

Speaker: Filip Kucera, GB

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| INTERMACS 1 and 2 - ECMO bridge to bridge strategy | 14:45 - 15:00 |
| <i>Speaker:</i> Ravi Thiagarajan, US | |
| Ventricular assist devices - strategies for different age groups | 15:00 - 15:15 |
| <i>Speaker:</i> Brigitte Stiller, DE | |
| Managing right heart failure (ranging from ECMO support to VAD) | 15:15 - 15:30 |
| <i>Speaker:</i> Emma Simpson, GB | |
| Primary graft failure - heart transplant | 15:30 - 15:45 |
| <i>Speaker:</i> Aparna Hoskote, GB | |
| Round-table discussion | 15:45 - 16:00 |
| <i>Educational Corner</i> | |
| 14:00 - 15:00 | Keats |
| Renal replacement therapy and plasmapheresis and ECMO 8 | |
| <i>Educational Corner</i> | |
| 14:00 - 15:00 | Shelley |
| Membrane failure and circuit change on ECLS 3 | |
| <i>Educational Corner</i> | |
| 14:00 - 15:00 | Wesley |
| Adventure in pediatric ECMO 10 - Recirculation in ped V-V ECMO | |
| <i>Educational Corner</i> | |
| 15:00 - 16:00 | Burns |
| Managing refractory hypoxemia on V-V ECMO | |
| <i>Industry</i> | |
| 15:00 - 16:00 | Wordsworth |
| Training Unit by Medtronic - Hands-on with Nautilus Oxygenation Technology | |
| <i>Educational Corner</i> | |
| 15:15 - 16:15 | Keats |
| Renal replacement therapy and plasmapheresis and ECMO 9 | |
| <i>Educational Corner</i> | |
| 15:15 - 16:15 | Shelley |
| Membrane failure and circuit change on ECLS 4 | |
| <i>Educational Corner</i> | |
| 15:15 - 16:15 | Wesley |
| Adventure in pediatric ECMO 11 - Neurological nightmares | |

Adult Session

16:30 - 18:00

Churchill

The dark side of adult ECPR*Chair:* Simon Finney, GB*Chair:* Bruno Lévy, FR**The role of hypothermia**

16:30 - 16:45

Speaker: Bruno Lévy, FR**Neuroprognostication**

16:45 - 17:00

Speaker: Daniel Herr, US**Impact of routine ECPR service on the availability of donor organs**

17:00 - 17:15

Speaker: Jana Smalcova, CZ**Diagnosis brain death on ECMO**

17:15 - 17:30

Speaker: Thomas Bein, DE**Organ donation from ECMO**

17:30 - 17:45

Speaker: Miguel Garcia, GB**Discussion with the family**

17:45 - 18:00

Speaker: Alexandra Quigley, GB*Pediatric Session*

16:30 - 18:00

Mountbatten

Pediatric ECMO: The future – working towards best outcomes delivered in most efficient way*Chair:* Matthew Paden, US*Chair:* Virginie Fouilloux, FR*Chair:* Lauren A. Ryan, CA**Neurological outcomes after pediatric ECMO**

16:30 - 16:45

Speaker: Laurance Lequier, CA**The latest strategies on minimising neuro morbidity on ECMO**

16:45 - 17:00

Speaker: Lakshmi Raman, US**Demographic features of non-cardiac extracorporeal life support over 17 years in a regional referral centre**

17:00 - 17:15

Speaker: Lauren A. Ryan, CA**Variance in practice in V-A ECMO and impact on outcomes**

17:15 - 17:30

Speaker: Katherine Brown, GB**How to overcome barriers in ECPR program?**

17:30 - 17:45

Speaker: Ravi Thiagarajan, US**Round-table discussion on benchmarking outcomes**

17:45 - 18:00

Pediatric Session

16:30 - 18:00

St. James*

Pediatric ECMO: Maximising team performance*Chair:* Judit Llevadias Jane, GB*Chair:* Thomas Schaible, DE

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| How to maintain and improve team performance while working under pressure <i>Speaker:</i> Mark Davidson, GB | 16:30 - 16:45 |
| Maintaining competencies - ECMO care providers including surgeons <i>Speaker:</i> Giles Peek, US | 16:45 - 17:00 |
| Facilitating family centered care in children supported ECMO and VADs <i>Speaker:</i> Katharina Schmitt, DE | 17:00 - 17:15 |
| Challenges of holding the team together through the learning curve <i>Speaker:</i> Veronika Maraczi, HU | 17:15 - 17:30 |
| Covid-19 critical consortium - identifying global disparities in healthcare <i>Speaker:</i> Heidi Dalton, US | 17:30 - 17:45 |
| Round-table discussion - lessons learnt globally | 17:45 - 18:00 |

Coffee corner

16:30 - 17:30

Moore

Meet the experts around a complex case - ECMO VV Case*Chair:* Mirko Belliato, IT*Expert:* Kenneth Palmer, SE*Expert:* Konstanty Szuldrzynski, PL*Plenary Session*

18:10 - 18:30

Churchill

Closing Ceremony