

**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**

<b>Indication V-A &amp; V-V ECMO</b>	09:00 - 09:15
<i>Speaker:</i> Peter Roeleveld, NL	
<b>Cannulation for V-A &amp; V-V ECMO</b>	09:15 - 09:30
<i>Speaker:</i> Robert Jan Houmes, NL	
<i>Speaker:</i> Tim Jones, GB	
<b>Interpreting blood gas analysis in V-A &amp; V-V ECMO</b>	09:30 - 09:45
<i>Speaker:</i> Jerome Rambaud, FR	
<b>Optimal cannula positioning CXR and Echo</b>	09:45 - 10:00
<i>Speaker:</i> Thilo Fleck, DE	

*Adult Session*  
09:00 - 10:00

Moore

**Cath lab masterclass ACVC - case debates**

*Chair:* Jan Belohlávek, CZ

<b>Cathlab/CCU pearls - case debates - Case 1</b>	09:00 - 09:20
<i>Speaker:</i> Jan Belohlávek, CZ	
<b>Cathlab/CCU pearls - case debates - Case 2</b>	09:20 - 09:40
<i>Speaker:</i> Susanna Price, GB	
<b>Cathlab/CCU pearls - case debates - Case 3</b>	09:40 - 10:00
<i>Speaker:</i> Daniel Rob, CZ	

*Adult Session*  
09:00 - 10:00

Keats

**Physiotherapy and mobilisation masterclass Block 1**

*Chair:* Kelly Morris, GB

<b>Assessment of the ECMO patient</b>	09:00 - 09:20
<i>Speaker:</i> Kelly Morris, GB	
<b>VHI Theory and practical</b>	09:20 - 09:40
<i>Speaker:</i> Kelly Morris, GB	
<b>Manual assisted cough and manual techniques theory and practical</b>	09:40 - 10:00
<i>Speaker:</i> Kelly Morris, GB	

*Adult Session*  
09:00 - 10:00

Shelley

**ECPR masterclass Block 1**

*Chair:* Simon Finney, GB

<b>Should we have cardiac arrest centres?</b>	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

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

*Adult Session*

10:30 - 12:30

Mountbatten

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

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

*Pediatric Session*

10:30 - 11:30

St. James\*

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

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

*Pediatric Session*

10:30 - 12:30

Windsor

**Basics in pediatric ECMO course - HANDS ON' INTERACTIVE SESSION**

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

<b>Oxygenator knobology (Oxygenation)/oxygenator knobology (CO2 removal and heating)</b>	11:30 - 12:00
<i>Speaker: Malaika Mendonca, CH</i>	
<i>Speaker: Maura O'Callaghan, GB</i>	
<b>V-A complication/V-V complication</b>	12:00 - 12:30
<i>Speaker: Mirjana Cvetkovic, GB</i>	
<i>Speaker: Giacomo Cavallaro, IT</i>	

*Adult Session*

10:30 - 12:30

Moore

**Cath lab masterclass ACVC - ECPR in the cathlab - the most suitable place?***Chair: Jan Belohlávek, CZ*

<b>Team organization</b>	10:30 - 11:10
<i>Speaker: L. Christian Napp, DE</i>	
<b>Cannulation</b>	11:10 - 11:50
<i>Speaker: Jan Belohlávek, CZ</i>	
<i>Speaker: Tobias Spangenberg, DE</i>	
<b>Post CPR care</b>	11:50 - 12:30
<i>Speaker: Joseph Tonna, US</i>	

*Adult Session*

10:30 - 12:30

Keats

**Physiotherapy and mobilisation masterclass Block 2 - bed transfers and positioning***Chair: Kelly Morris, GB*

<b>MI:E Theory and practical - assessment and safety considerations of rehabilitation - range of movement Ax and positioning</b>	10:30 - 12:30
--	---------------

*Adult Session*

10:30 - 12:30

Shelley

**ECPR masterclass Block 2***Chair: Simon Finney, GB*

<b>Interactive case discussion and decision making</b>	10:30 - 10:50
<i>Speaker: Ben Singer, GB</i>	
<b>Femoral anatomy, ultrasound, wires and dilators</b>	10:50 - 11:10
<i>Speaker: Simon Finney, GB</i>	
<b>Hybrid cut down in adults</b>	11:10 - 11:30
<i>Speaker: Alice Hutin, FR</i>	
<b>Split into two groups - practical session with ultrasound etc.</b>	11:30 - 12:00
<i>Speaker: Simon Finney, GB</i>	
<i>Speaker: Ben Singer, GB</i>	
<b>Split into two groups - percutaneous cut down practical session</b>	12:00 - 12:30
<i>Speaker: Alice Hutin, FR</i>	

*Pediatric Session*

10:30 - 12:30

Wesley

**Advanced MCS including VADs Course - hands on**

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

*Adult Session*

10:30 - 12:30

St. Thomas Hospital

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

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

*Adult Session*

10:45 - 12:30

Westminster

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

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

<b>Setting PEEP: A clinical case</b>	11:30 - 12:00
<i>Speaker: Lise Piquilloud, CH</i>	
<b>Setting the ventilator and monitoring during ECMO</b>	12:00 - 12:40
<i>Speaker: Lise Piquilloud, CH</i>	

*Pediatric Session*

11:30 - 12:30

St. James\*

**Masterclass - dealing with challenges on ECMO in children: ECPR**

<b>Out of hospital arrest</b>	11:30 - 11:42
<i>Speaker: Melania Bembea, US</i>	
<b>In hospital arrest in emergency room</b>	11:42 - 11:54
<i>Speaker: Jana Assy, BE</i>	
<b>In hospital arrest in paediatric ward</b>	11:54 - 12:06
<i>Speaker: Peter Roeleveld, NL</i>	
<b>ECPR in labour ward</b>	12:06 - 12:18
<i>Speaker: Thomas Schaible, DE</i>	
<b>Rescue ECMO</b>	12:18 - 12:30
<i>Speaker: Virginie Fouilloux, FR</i>	

*Adult Session*

13:30 - 15:30

Mountbatten

**Basic Course - Block 3***Chair: Martin Balik, CZ*

<b>Percutaneous cannulation for VA and VV</b>	13:30 - 14:00
<i>Speaker: Caroline Sampson, GB</i>	
<b>Transport on ECMO</b>	14:00 - 14:30
<i>Speaker: Lars Mikael Broman, SE</i>	
<b>The impact of ECMO on haematology</b>	14:30 - 15:00
<i>Speaker: Andrew Retter, GB</i>	
<b>The impact of ECMO on pharmacology</b>	15:00 - 15:30
<i>Speaker: Haifa Lyster, GB</i>	

*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*

<b>Persistent lactate on post cardiotomy ECMO</b>	13:30 - 13:45
<i>Speaker: Malaika Mendonca, CH</i>	
<b>Persistent hypoxaemia on V-V ECMO</b>	13:45 - 14:00
<i>Speaker: Lakshmi Raman, US</i>	

<b>Low flows on peripheral cannulation in sepsis</b>	14:00 - 14:15
<i>Speaker: Luregn Schlapbach, CH</i>	
<b>Plasmapheresis on ECMO - when?</b>	14:15 - 14:30
<i>Speaker: Matthew Paden, US</i>	

*Adult Session*  
13:30 - 14:45

Westminster

**Resp masterclass Block 3 - joint session with ESICM**

*Chair: Luigi Camporota - remote, GB*

*Chair: Lise Piquilloud, CH*

<b>Monitoring of patient-ventilator interaction at the bedside</b>	13:30 - 14:15
<i>Speaker: Lise Piquilloud, CH</i>	
<b>Proportional ventilation: PAV and NAVA</b>	14:15 - 14:45
<i>Speaker: Lise Piquilloud, CH</i>	

*Pediatric Session*  
13:30 - 15:30

Windsor

**Basics in pediatric ECMO course - ECMO bedside management**

<b>Anticoagulation basics and special considerations in different ages</b>	13:30 - 14:00
<i>Speaker: Giuseppe Isgro, IT</i>	
<b>Monitoring respiratory function during ECMO</b>	14:00 - 14:30
<i>Speaker: Atsushi Kawaguchi, JP</i>	
<b>Weaning from V-A &amp; V-V ECMO</b>	14:30 - 15:00
<i>Speaker: Uri Pollak, IL</i>	
<i>Speaker: Roberto Chiletti, AU</i>	
<b>Lessons learnt over the years on improving ECMO Outcomes/using big data - the role of ELSO Registry</b>	15:00 - 15:30
<i>Speaker: Heidi Dalton, US</i>	

*Adult Session*  
13:30 - 15:30

Moore

**Cath lab masterclass ACVC - cardiogenic shock management**

*Chair: Jan Belohlávek, CZ*

<b>Overview from A to Z (30 mins)</b>	13:30 - 14:00
<i>Speaker: Christian Hassager, DK</i>	
<b>Unloading of the LV - experimental background</b>	14:00 - 14:30
<i>Speaker: Mikulas Mlcek, CZ</i>	
<i>Speaker: Paolo Meani, NL</i>	
<b>Simulation of unloading (30 mins)</b>	14:30 - 15:00
<i>Speaker: Dirk Donker, NL</i>	
<b>Clinical utilization (30 mins)</b>	15:00 - 15:30
<i>Speaker: Joseph Tonna, US</i>	

*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

<b>Active rehabilitation practical session: Sitting on the edge of the bed and mobilisation away from the bed space</b>	13:30 - 14:30
<b>Active rehabilitation practical session: Tilt table and transfer to stretcher chair (practical)</b>	14:30 - 15:30

*Adult Session*  
13:30 - 15:30

Shelley

**ECPR masterclass Block 3**

*Chair:* Simon Finney, GB

<b>Individual performance in stressful settings/developing a team</b>	13:30 - 14:00
<i>Speaker:</i> Mamoun Abu Habsa, GB	
<b>Disasters and pitfalls</b>	14:00 - 14:30
<i>Speaker:</i> Simon Finney, GB	
<b>Designing a new service</b>	14:30 - 15:00
<i>Speaker:</i> Justyna Swol, DE	
<b>Post ROSC ECMO management</b>	15:00 - 15:30
<i>Speaker:</i> Alice Hutin, FR	

*Pediatric Session*  
13:30 - 15:30

Wesley

**Advanced ECMO Course - cardiogenic shock**

<b>Role of ECMO in heart failure - principles, indications, pitfalls</b>	13:30 - 13:55
<i>Speaker:</i> Judit Llevadías Jane, GB	
<b>Post cardiotomy ECMO - role of echocardiography and cardiac catheter</b>	13:55 - 14:20
<i>Speaker:</i> Katharina Schmitt, DE	
<b>V-A ECMO to VAD</b>	14:20 - 14:45
<i>Speaker:</i> Peta Alexander, US	
<b>The VAD story</b>	14:45 - 15:10
<i>Speaker:</i> Brigitte Stiller, DE	
<b>Myocarditis including PIMS-TS</b>	15:10 - 15:30
<i>Speaker:</i> Joan Balcells Ramirez, ES	

*Adult Session*  
13:30 - 15:30

St. Thomas Hospital

**ECMO Sim masterclass Block 3**

*Chair:* Chris Meadows, GB

<b>Practicalities and set up for high fidelity</b>	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 Chiletta, AU

*Speaker:* Ravi Thiagarajan, US

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

*Adult Session*  
16:00 - 17:00

Moore

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

*Chair: Jan Belohlávek, CZ*

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

*Adult Session*  
16:00 - 17:00

Keats

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

*Chair: Kelly Morris, GB*

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

*Adult Session*  
16:00 - 17:00

Shelley

**ECPR masterclass Block 4**

*Chair: Simon Finney, GB*

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

*Pediatric Session*  
16:00 - 18:00

Wesley

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

<b>Station 1 ECMO simulation - deteriorating child - ECPR</b>	16:00 - 16:40
<i>Speaker: Mirjana Cvetkovic, GB</i>	
<i>Speaker: Judit Llevadás Jane, GB</i>	
<b>Station 1 ECMO simulation - deteriorating child - ECPR</b>	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

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

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

10:30 - 10:45

**Paediatric ARDS***Speaker:* Matthew Paden, US

10:45 - 11:00

**Post-cardiotomy ECMO in children***Speaker:* Tim Jones, GB

11:00 - 11:15

**Decompensated heart failure in children***Speaker:* Jane Cassidy, GB

11:15 - 11:30

**Use of ECMO to restore hemodynamic stability before ventricular assist device implantation in pediatric patients***Speaker:* Susana Martins de Abreu, PT

11:30 - 11:45

**Sepsis in children***Speaker:* Luregn Schlapbach, CH

11:45 - 12:00

**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***Speaker:* Jutta Arens, NL

10:30 - 10:45

**Future development from an engineering perspective***Speaker:* Lisa Prahl Wittberg, SE

10:45 - 11:00

**Numerical and experimental investigation of a drainage cannula***Speaker:* Francesco Fiusco, SE

11:00 - 11:15

**Measurement of recirculation and its impact***Speaker:* Lisa Carson Price, GB

11:15 - 11:30

**Computational and physical modeling of fluid haemodynamics***Speaker:* Louis Parker, SE

11:30 - 11:45

**Cannulation tips for paediatrics***Speaker:* Chris Harvey, GB

11:45 - 12:00

**What went wrong with my cannula? A clinical case to discuss***Speaker:* Alois Philipp, DE

12:00 - 12:15

**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

<b>Oxygenators - optimising function</b>	11:45 - 12:00
<i>Speaker: Tom Verbelen, BE</i>	
<b>Pediatric case series of dynamic pressure bearing technology supporting the impeller in a non-contact manner</b>	12:00 - 12:10
<i>Speaker: Tadahito Kato, JP</i>	
<i>Speaker: Atsushi Kawaguchi, JP</i>	
<b>Round-table discussion: Enhancing team work to improve circuit performance- view from nursing, perfusion and ECMO physician?</b>	12:10 - 12:30
<i>Speaker: Gillian Wylie, GB</i>	
<i>Speaker: Velia Antonini, IT</i>	
<i>Speaker: Claire Westrope, GB</i>	

*Nurse Session*

10:30 - 12:30

Moore

**What have I learnt from the pandemic?***Chair: Riccardo Cusmà Piccione, IT**Chair: Serena O'Brien, IE*

<b>Nursing staff models before the pandemic</b>	10:30 - 10:45
<i>Speaker: Chirine Mossadegh, FR</i>	
<b>How did it change during the pandemic in UK?</b>	10:45 - 11:00
<i>Speaker: Kathleen Daly, GB</i>	
<b>How did it change during the pandemic in Czech Republic?</b>	11:00 - 11:15
<i>Speaker: Sonia Wulczynska, CZ</i>	
<b>ECMO nursing activities score: A retrospective study</b>	11:15 - 11:30
<i>Speaker: Riccardo Cusmà Piccione, IT</i>	
<b>The nursing aftermath</b>	11:30 - 11:45
<i>Speaker: Sabine Valera, FR</i>	
<b>How did it change during the pandemic in Italy?</b>	11:45 - 12:00
<i>Speaker: Velia Antonini, IT</i>	
<b>How to prepare for the next pandemic?</b>	12:00 - 12:15
<i>Speaker: Jo-Anne Fowles, GB</i>	
<b>Round-table discussion- the ideal model</b>	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

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

*Adult Session*  
14:00 - 16:00

Churchill

### **How to ventilate on ECMO ?**

*Chair: Matthieu Schmidt, FR*

*Chair: Lise Piquilloud, CH*

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

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

<i>Speaker:</i> Giacomo Grasselli, IT	
<b>Novel diagnostics</b>	14:45 - 15:00
<i>Speaker:</i> Jonathan Edgeworth, GB	
<b>Aspergillus: A real threat?</b>	15:00 - 15:15
<i>Speaker:</i> Duncan Wyncoll, GB	
<b>How to prevent ECMO related infections</b>	15:15 - 15:30
<i>Speaker:</i> John Fraser, AU	
<b>Antimicrobials pharmacokinetics on ECMO</b>	15:30 - 15:45
<i>Speaker:</i> Kiran Shekar, AU	
<b>Round-table discussion</b>	15:45 - 16:00

*Pediatric Session*  
14:00 - 16:00 Windsor

### **Pediatric ECMO: Optimal delivery of ECMO**

<i>Chair:</i> Robert Bartlett, US	
<i>Chair:</i> Peter Roeleveld, NL	
<i>Chair:</i> Orlane Brohan, FR	
<b>Fluid management in pediatric patients on ECMO</b>	14:00 - 14:15
<i>Speaker:</i> Angelo Polito, CH	
<b>Strategies to improve flows on V-A ECMO</b>	14:15 - 14:30
<i>Speaker:</i> Peter Roeleveld, NL	
<b>Strategies to manage hypoxaemia on V-V ECMO</b>	14:30 - 14:45
<i>Speaker:</i> Francisco Abecasis, PT	
<b>Association between PaO<sub>2</sub> after ECMO initiation and mortality in neonates treated for refractory respiratory failure</b>	14:45 - 15:00
<i>Speaker:</i> Orlane Brohan, FR	
<b>Managing PaCO<sub>2</sub> on ECMO</b>	15:00 - 15:15
<i>Speaker:</i> Nicolas Joram, FR	
<b>Minimising blood products and raising thresholds for transfusion</b>	15:15 - 15:30
<i>Speaker:</i> Heleen Van Ommen, NL	
<b>Preventing and treating nosocomial infections on ECMO</b>	15:30 - 15:45
<i>Speaker:</i> Joan Balcells Ramirez, ES	
<b>Round-table discussion: Improving delivery of ECMO</b>	15:45 - 16:00

*Nurse Session*  
14:00 - 16:00 Moore

### **Interactive sessions around clinical cases**

<i>Chair:</i> Sabine Valera, FR	
<i>Chair:</i> Ann Alexanderson, SE	
<b>A V-A ECMO patient discussion</b>	14:00 - 14:30

*Speaker:* Celia Junivart, FR

**A pediatric case discussion**

14:30 - 15:00

*Speaker:* Maura O'Callaghan, GB

**A V-V ECMO patient discussion**

15:00 - 15:30

*Speaker:* Riccardo Cusmà Piccione, IT

**A transport ECMO case**

15:30 - 16:00

*Speaker:* Anna Lindberg, SE

*Educational Corner*

14:00 - 15:00

Burns

**Emergencies on mechanical circulatory support 3**

*Educational Corner*

14:00 - 15:00

Keats

**Membrane failure and circuit change on ECLS 1**

*Educational Corner*

14:00 - 15:00

Shelley

**Trouble shooting V-V ECMO 2**

*Educational Corner*

14:00 - 15:00

Wesley

**Adventure in pediatric ECMO 3 - ECMO in single ventricle**

*Educational Corner*

15:15 - 16:15

Burns

**Emergencies on mechanical circulatory support 4**

*Educational Corner*

15:15 - 16:15

Keats

**Membrane failure and circuit change on ECLS 2**

*Educational Corner*

15:15 - 16:15

Shelley

**ECPR cannulation 1**

*Educational Corner*

15:15 - 16:15

Wesley

**Adventure in pediatric ECMO 4 - EMO PIMS TS**

*Poster Session*

16:00 - 16:45

Britten/Whittle

**Moderated Poster walk Adult - Perfusion 1 - Terminal 6**

*Chair:* 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

<b>Normothermic regional perfusion provides better liver function preservation than hypothermic regional perfusion for circulatory death donors</b>	16:04 - 16:08
<b>Demographics and outcomes of COVID19 patients placed on ECMO at a platinum ECLS center</b>	16:08 - 16:12
<b>Use of nafamostat mesilate for anticoagulation during extracorporeal membrane oxygenation: A systematic review</b>	16:12 - 16:16
<b>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</b>	16:16 - 16:20
<b>V-V ECMO in the management of acute Budd-Chiari syndrome</b>	16:20 - 16:24
<b>Observational duplex analysis of cannulated vessels during femoro-femoral veno-arterial extracorporeal membrane oxygenation</b>	16:24 - 16:28
<b>Evaluating simulation education in the training and certification of ECMO specialists – a systematic review</b>	16:28 - 16:31
<b>Neuroprotective effect of selective hypothermia cerebral perfusion in extracorporeal cardiopulmonary resuscitation for cardiac arrest: A pre-clinical study</b>	16:31 - 16:34

*Poster Session*

16:00 - 16:45

Britten/Whittle

**Moderated Poster walk Pediatric - Respiratory failure 1 - Terminal 9***Chair:* Lars Mikael Broman, SE

<b>VV-ECMO support as a late addition for infection-related respiratory failure in a 16-month old child</b>	16:00 - 16:05
<b>Risk factors associated with prolonged ECMO in children: A referral center cohorte study</b>	16:05 - 16:10
<b>It's not ACD but CAD: Implications for ECMO and palliation</b>	16:10 - 16:15
<b>Covid-19 positive severe respiratory failure requiring VV-ECMO - the Southampton pediatric experience</b>	16:15 - 16:20
<b>Awake ECMO in oncological child affected by COVID-19</b>	16:20 - 16:25
<b>SARS-COV-2, MIS-C, hypoxemia and awake ECMO in a child</b>	16:25 - 16:30
<b>ECMO support for severe ARDS in a newborn with SARS-CoV-2 perinatal infection</b>	16:30 - 16:35
<i>Speaker:</i> Francisco Abecasis, PT	
<b>Expansion of an established cardiac ECMO programme to provision of VV-ECMO in a pediatric intensive care unit in the UK</b>	16:35 - 16:40

**Early hemodynamic predictors of neonatal mortality after initiation of VA-ECMO in CDH**

16:40 - 16:45

*Poster Session*

16:00 - 16:45

Britten/Whittle

**Moderated Poster walk Pediatric - Other 1 - Terminal 10**

*Chair:* Jonathan Smith, GB

**Dynamic platelets transfusion threshold in pediatric extra corporeal membrane oxygenation - giving less and gaining more**

16:00 - 16:05

**Population pharmacokinetics model of levosimendan and metabolites in neonates and children: The impact of ECMO support**

16:05 - 16:10

**Carboxyhemoglobin as an early marker of mechanical complications during extracorporeal membrane oxygenation in children**

16:10 - 16:15

**Endogenous heparin-like substance in children on extracorporeal circulatory support devices anticoagulated with bivalirudin negatively affects laboratory monitoring**

16:15 - 16:20

**Heparin related anticoagulation practice and clinical outcomes in pediatric post-cardiotomy extracorporeal membrane oxygenation**

16:20 - 16:25

**Thirty years of non-cardiac neonatal extracorporeal membrane oxygenation from a regional program: Indications, survival and 4-year outcomes**

16:25 - 16:30

*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

**Massive spontaneous pneumomediastinum associated with bronchiolitis and ARDS treated with veno-venous ECMO in an 11-month-old infant**

16:00 - 16:04

**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

**Repeated extracorporeal cardiopulmonary resuscitation in a child with anomalous origin of the left coronary artery**

16:08 - 16:12

<b>Endobronchial valve placement for the treatment of persistent air leak in a pediatric patient with COVID-19 on ECMO: A case report</b>	16:12 - 16:16
<b>Concurrent COVID19 pneumonia and systemic inflammatory syndrome in a two week old requiring ECMO</b>	16:16 - 16:20
<b>ECMO support in diabetic ketoacidosis</b>	16:20 - 16:24
<b>PPHN on ECMO - a bridge to diagnosis and treatment</b>	16:24 - 16:28
<b>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</b>	16:28 - 16:32
<b>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</b>	16:32 - 16:36
<b>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</b>	16:36 - 16:40
<b>Lowering of vancomycin dosage in pediatric cardiac patients undergoing extracorporeal membrane oxygenation (ECMO)</b>	16:40 - 16:44

*Poster Session*

16:00 - 16:45

Britten/Whittle

**Moderated Poster walk Adult - Cardiac failure 3 - Terminal 3***Chair:* Justyna Swol, DE

<b>The effect of venoarterial extracorporeal membrane oxygenation on left ventricular function in cardiogenic shock with aortic stenosis or mitral regurgitation</b>	16:00 - 16:04
<b>Low-flow time and neurological intact survival in OHCA patients treated with and without extracorporeal cardiopulmonary resuscitation</b>	16:04 - 16:08
<b>Extracorporeal membrane oxygenation in transcatheter aortic valve implantation: A systematic review and meta-analysis</b>	16:08 - 16:12
<b>Temporary mechanical circulatory support in COVID-19 patients: A systematic review of literature</b>	16:12 - 16:16
<b>VA-ECMO as a bridge to heart transplantation: A brief analysis on the new heart allocation system in a Brazilian center</b>	16:16 - 16:20
<b>Annual variation in survival after OHCA treated with ECPR</b>	16:20 - 16:24
<b>Triple mechanical circulatory support systems approach to support an LVAD patient with combined right heart failure and severe post-cardiac arrest syndrome to cardiopulmonary</b>	16:24 - 16:28

## recovery

<b>An unusual presentation of a mixed overdose resulting in the need for Extra-Corporeal Life Support (ECLS)</b>	16:28 - 16:32
<i>Speaker: Stavros Eftychiou, GB</i>	
<b>Role of VA-ECMO in traumatic cardiac arrest? A shock team guided pathway to decision making – a case report</b>	16:32 - 16:36
<b>Postcardiotomy V-A ECMO outcomes and utility of the postcardiotomy ECMO (PC-ECMO) score</b>	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*

<b>Treatment of right ventricular failure following heart transplant with percutaneous right ventricular assist device. A retrospective observational study</b>	16:00 - 16:04
<b>Massive pulmonary embolism in a patient with COVID-19 on VV-ECMO – catheter-directed thrombolysis to the rescue</b>	16:04 - 16:08
<b>Feasibility and safety of levosimendan in patients after cardiac arrest treated with eCPR</b>	16:08 - 16:12
<b>Outcomes after mechanical versus manual chest compressions in eCPR patients</b>	16:12 - 16:16
<b>Improvement of the ECMO dilation procedure with a novel telescoping dilator device</b>	16:16 - 16:20
<b>Comparison of blood trauma in an ovine model of cardiogenic shock supported by pulsatile- and continuous-flow VA-ECMO</b>	16:20 - 16:24
<i>Speaker: Silver Heinsar, AU</i>	
<b>Incidence of venous and arterial complications in patients requiring veno-arterial extracorporeal membrane oxygenation</b>	16:24 - 16:28
<i>Speaker: Christoph Fisser, DE</i>	
<b>Veno-Arterial ECMO: The Trieste intensive care unit 10-year experience</b>	16:28 - 16:32
<b>Regional cerebral oxygen saturation as an outcome-predicting marker for ECPR recipients: A meta-analysis</b>	16:32 - 16:36
<b>Heparin dosing in cardiogenic shock patients supported by short-term percutaneous microaxial left ventricular assist devices: Less might be more</b>	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 ECCO<sub>2</sub>R????**

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

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

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

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

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

*Perfusionist Session*

16:45 - 18:45

St. James\*

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

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

*Speaker:* Serena O'Brien, IE

**How to take care of parents and siblings of children supported on ECMO?** 18:00 - 18:15

*Speaker:* Ann Alexanderson, SE

**The post ECMO consult** 18:15 - 18:30

*Speaker:* Jo-Anne Fowles, GB

**Round-table discussion** 18:30 - 18:45

*Educational Corner*

17:45 - 18:45

Burns

**Emergencies on mechanical circulatory support 6**

*Educational Corner*

17:45 - 18:45

Keats

**Renal replacement therapy and plasmapheresis and ECMO 4**

*Educational Corner*

17:45 - 18:45

Shelley

**ECPR cannulation 3**

*Educational Corner*

17:45 - 18:45

Wesley

**Adventure in pediatric ECMO 6 - ECPR central cannulation**

*Poster Session*

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

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

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

**requiring veno-venous ECMO therapy: A retrospective study**

<b>Our experience: ECMO referrals from a remote district general hospital in the UK (The Royal Cornwall Hospital)</b>	19:01 - 19:05
<b>Outcomes in patients with COVID-19 induced acute respiratory distress syndrome receiving venovenous extracorporeal membrane oxygenation: An inverse probability weighted analysis</b>	19:05 - 19:09
<b>ECMO utilization with adjunctive hemoadsorption therapy in COVID-19 patients: An observational analysis from the CytoSorb therapy in COVID-19 (CTC) registry</b>	19:09 - 19:13
<b>Corticosteroid exposure and outcome in patients with severe COVID-19 receiving veno-venous extracorporeal membrane oxygenation</b>	19:13 - 19:17
<b>Percutaneous Tracheostomy in patients with COVID-19 supported with VV ECMO: A case series and review of the literature</b>	19:17 - 19:21
<b>A single centre retrospective observational study comparing the sedative requirements of patients with COVID-19 requiring ECMO compared to a historical control</b>	19:21 - 19:25
<b>Hemodynamic assessment of six commercially available oxygenators as paracorporeal artificial lung by a hybrid simulator</b>	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

<b>Risk factors of thrombotic complications in COVID-19 patients with ECMO support</b>	18:45 - 18:49
<b>The impact of duration of symptoms prior to extracorporeal membrane oxygenation initiation on outcomes of COVID-19 patients</b>	18:49 - 18:53
<b>Severe COVID-19 in postpartum women: Respiratory failure and pulmonary embolism after ECMO</b>	18:53 - 18:57
<b>Add-on prostaglandin e<sub>1</sub> in venovenous extracorporeal membrane oxygenation: A randomized, double-blind, placebo-controlled trial</b>	18:57 - 19:01
<b>Intracranial hemorrhage and veno-venous ECMO. A retrospective single center analysis</b>	19:01 - 19:05

<b>Long-term outcome of extracorporeal membrane oxygenation in COVID-19 related severe respiratory failure in low-volume ECMO centre</b>	19:05 - 19:09
<b>Advantages of anticoagulation with bivalirudin in ECMO therapy for Covid-19 related ARDS</b>	19:09 - 19:13
<b>Increased bleeding risk in COVID-19 patients on VV-ECMO</b>	19:13 - 19:17
<b>Pathologic evaluation of COVID-19 related ARDS patients under ECMO support - is this a reversible late ARDS form ?</b>	19:17 - 19:21
<b>Succesful ECMO support to a lung transplanted patient after Covid-19 related ARDS</b>	19:21 - 19:25
<b>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</b>	19:25 - 19:29

*Poster Session*

18:45 - 19:45

Britten/Whittle

**Moderated Poster walk Adult - Other 1 - Terminal 6**

Chair: Felix Hennig, DE

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

<b>Extracorporeal membrane oxygenation for COVID-19:</b>	18:45 - 18:49
--	---------------

**Intracranial coagulopathy and mortality**

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

*Poster Session*

18:45 - 19:45

Britten/Whittle

**Moderated Poster walk Adult - Other 2 - Terminal 7**

Chair: Dirk Donker, NL

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

---

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

<b>Optimal anticoagulation targets on ECMO</b>	09:00 - 09:15
<i>Speaker:</i> Giuseppe Isgro, IT	
<b>Assessing biocompatibility in the lab</b>	09:15 - 09:30
<i>Speaker:</i> Christoph Benk, DE	
<b>Factor XII and ECMO</b>	09:30 - 09:45
<i>Speaker:</i> Heidi Dalton, US	
<b>AT III: Friend or foe?</b>	09:45 - 10:00
<i>Speaker:</i> 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**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 cardiotomy: Rescue or routine?**

11:00 - 11:15

*Speaker:* Bart Meyns, BE**Impact of primary procedures on outcome in patients requiring postcardiotomy 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**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

Mountbatten

**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

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

*Adult Session*

10:30 - 12:30

Windsor

**Education / Simulation***Chair: Justyna Swol, DE**Chair: Simon Finney, GB*

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

**Round-table discussion: How to improve ECMO education in Europe?**

12:15 - 12:30

*Coffee corner*

10:30 - 11:30

Britten/Whittle

**Meet and discuss with the experts - the future of treatment in cardiogenic shock**

*Chair:* Thomas Mueller, DE

*Expert:* Alain Combes, FR

*Expert:* Susanna Price, GB

*Educational Corner*

10:30 - 11:30

Keats

**Renal replacement therapy and plasmapheresis and ECMO 6**

*Educational Corner*

10:30 - 11:30

Shelley

**Trouble shooting V-V ECMO 3**

*Educational Corner*

10:30 - 11:30

Wesley

**Adventure in pediatric ECMO 8 - ECMO in CDH**

*Educational Corner*

11:45 - 12:45

Keats

**Renal replacement therapy and plasmapheresis and ECMO 7**

*Educational Corner*

11:45 - 12:45

Shelley

**SAIE Group Meeting**

*Educational Corner*

11:45 - 12:45

Wesley

**Adventure in pediatric ECMO 9 - ECMO transport**

*Industry*

12:45 - 13:45

Fleming

**Medtronic Industry session 4**

*Industry*

12:45 - 13:30

Mountbatten

**CARL. Industry session 5**

*Industry*

12:45 - 13:45

St. James\*

**ABIOMED Europe Industry session 6**

*Internal Session*

12:45 - 14:00

Shelley

**SAIE Working group meeting**

*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 Llevadars Jane, GB

**ECMO in heart failure from congenital heart disease - improving outcomes**

14:15 - 14:30

*Speaker:* Roberto Chilette, AU

**Cardiac involvement in Covid-19 infection**

14:30 - 14:45

*Speaker:* Filip Kucera, GB

<b>INTERMACS 1 and 2 - ECMO bridge to bridge strategy</b>	14:45 - 15:00
<i>Speaker: Ravi Thiagarajan, US</i>	
<b>Ventricular assist devices - strategies for different age groups</b>	15:00 - 15:15
<i>Speaker: Brigitte Stiller, DE</i>	
<b>Managing right heart failure (ranging from ECMO support to VAD)</b>	15:15 - 15:30
<i>Speaker: Emma Simpson, GB</i>	
<b>Primary graft failure - heart transplant</b>	15:30 - 15:45
<i>Speaker: Aparna Hoskote, GB</i>	
<b>Round-table discussion</b>	15:45 - 16:00

*Educational Corner*

14:00 - 15:00

Keats

**Renal replacement therapy and plasmapheresis and ECMO 8***Educational Corner*

14:00 - 15:00

Shelley

**Membrane failure and circuit change on ECLS 3***Educational Corner*

14:00 - 15:00

Wesley

**Adventure in pediatric ECMO 10 - Recirculation in ped V-V ECMO***Educational Corner*

15:00 - 16:00

Burns

**Managing refractory hypoxemia on V-V ECMO***Industry*

15:00 - 16:00

Wordsworth

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

15:15 - 16:15

Keats

**Renal replacement therapy and plasmapheresis and ECMO 9***Educational Corner*

15:15 - 16:15

Shelley

**Membrane failure and circuit change on ECLS 4***Educational Corner*

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 Llevadas Jane, GB*Chair:* Thomas Schaible, DE

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