



Neonatology – pediatric “Meet the experts” precongress sessions

This is an exciting opportunity to discuss controversial and challenging situations and scenarios in a paediatric ECMO programme. There will be experts and speakers who will provide an opportunity for a stimulating discussion and to develop a group consensus. The objective is to have the speakers give short talks, and then with help of moderator engage the audience in an interactive session with the audience, speakers and the expert. The expert will then summarise the discussion for the audience with clear directions on the way forward.

Wednesday 23rd May 2018

13:00-18:30

13:00-14:00

Sedation (how to minimize sedation and accelerate recovery?)

Expert (*Dick Tibboel, Netherlands*), **1 moderator** (*Mark Davidson, UK*), **3 speakers** (15 minutes each)

Sedation on ECMO – The Czech approach (Pavla Pokorna, Czech Republic)

The Swedish approach: the awake ECMO (Lars Broman, Sweden)

Bio-availability of sedative drugs on ECMO (Enno Wildschut, Netherlands)

14:00-15:00

Management of native lung on VV ECMO (how to look after the lungs and enhance recovery?)

Expert (*R Bartlett, USA*), **1 moderator** (*Troy Dominguez (UK)*), **3 speakers** (15 minutes each)

Management of Native Lung...Deep sedation vs Awake (Matteo Di Nardo, Italy-Kenneth Palmer, Sweden)

Adjuvant therapies (steroids, bronchoscopy, liquid ventilation, physiotherapy) (Aparna Hoskote, UK)

15:00-15:30 Coffee break





15:30-16:30

Neonatal anticoagulation (how do we get this right?)

Expert (P. Massicote, Canada), **1 moderator** (Heidi Dalton, USA), **3 speakers** (15 minutes each)

Developmental Haemostasis (Gail Annich, Canada)

AntiXa versus APTT in neonates (Laurance Lequier, Canada)

My choice of anticoagulation: Bivalirudin (Marco Ranucci, Italy)

16:30-17:30

Transport on ECMO (how do we overcome challenges?)

Expert (Lars Broman, Sweden), **1 moderator** (Gail Annich, Canada), **3 speakers** (15 minutes each)

Challenges in air transport (Fixed wings) (Kenneth Palmer, Sweden)

Challenges in Helicopter (Mark Davidson, UK)

Challenges in road transport (Jerome Rambaud, France)

17:30-18:30

Cardiac ECMO Cardiogenic shock (Strategies to improve outcome)

Expert (Peter Roeleveld, Netherlands), **1 moderator** (Malaika Mendonca, Switzerland), **3 speakers** (15 minutes each)

Should we offer ECMO to neonatal myocarditis? (Dirk Vlasselaers, Belgium)

How to identify residual haemodynamically significant lesions and manage them? (Troy Dominguez, UK)

Decompression of the heart? When, how? (Mark Davidson, UK)

Thursday 24th May 2018

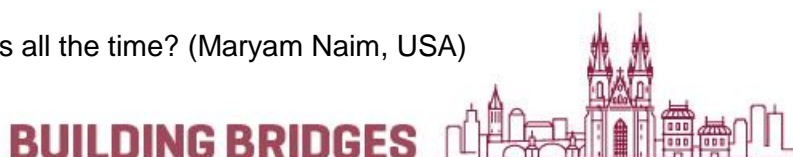
08:00-12:30

8:00-9:00

Neuromonitoring on ECMO (How do we get this right?)

Expert (Melania Bembea, USA), **1 moderator** (Matteo Di Nardo, Italy), **4 speakers** (10 minutes each)

How do we provide continuous measurements all the time? (Maryam Naim, USA)





Cerebral autoregulation? How do we measure it? (Lakshmi Raman, USA)

Is there a role for Transcranial Doppler (Piero David, Italy)

Should we Doppler reconstructed vessels? If so, when? And what do we do if it is partially or fully occluded? (Tim Jones, UK)

9:00-10:00

ECPR (Can we push the boundaries?)

Expert (Thomas Brogan, USA), **1 moderator** (Troy Dominguez, UK), **3 speakers** (15 minutes each)

ECPR should be offered in ER? In the field? (Anne-Marie Guerguerian, Canada)

How long can be allowed for cannulation? (Peter Roeleveld, Netherlands)

How can we optimise outcome after E-CPR? (Ravi Thiagarajan, USA)

10:00-10:30 Coffee break

10:30-11:30

Long-term Follow-up after ECMO (Outcome is important, can we achieve consensus on how to do it?)

Expert (G Maclaren, Singapore) **1 moderator** (Aparna Hoskote, UK), **3 speakers** (15 minutes each)

Can we define the clinically relevant long-term outcomes after ECMO in children? (Viktor Von Bahr, Sweden)

What strategies can we use to improve the long-term neurological outcome of ECMO survivors? (Melania Bembea, USA)

Multidisciplinary long-term follow-up – is this realistically possible? (Dick Tibboel, Netherlands)

11:30-12:30

CRRT, Plasma exchange and ECMO (optimal renal perfusion - what works best)

Expert (Mark Davidson, UK) **1 moderator** (Viktor Von Bahr, Sweden), **3 speakers** (15 minutes each)

Managing fluid overload and treating renal failure in sepsis - CRRT, ECMO (Claire Westrope, UK)

When do we use plasma exchange on ECMO? (Gabriella Bottari, Italy)





How do we best define acute kidney injury and should we do surveillance for chronic kidney disease in children supported on ECMO (Enno Wildschut, Netherlands)

Main conference – Pediatric

Friday 25th May 2018

09:00-10:00

Current state of the art

3 talks/hour – 15 minutes/talk, 5 minutes for questions/discussion

Chairs: *Melania Bembea (USA), Aparna Hoskote (UK), Vaclav Vobruha (Czech Republic)*

Pediatric Respiratory ECMO: ARDS - changing definitions, new applications, mobile ECMO (what is new) – Matteo Di Nardo, Italy

Advances in ECMO: the next 10 years – what to expect? smaller circuits/artificial blood/newer anticoagulants – distant reality? – Gail Annich, Canada

ECPR utilisation is increasing: how do we sustain a ECPR programme? – Anne-Marie Guerguerian, Canada

10:00-10:30 Coffee break

10:30-11:15

ECMO in congenital diaphragmatic hernia: The 7 tenors round table

Orchestra director: *(Matteo Di Nardo, Italy)*. **Moderators** *(C. Davis, UK, D. Tibboel, Netherlands)*.

P. Bagolan & F. Stoppa (Italy)

B. Frenkner & P. Radell (Sweden)

G. Walkers & M. Davidson (UK)

R. Wijnen & E. Wildshut (NL)

L. Wessel & T. Shaible (Germany)

J. Janota & Z. Stranak (Czech Republic)

G. Yigit & M. Ogino (USA)





11:15-11:30

Neonatal ECMO: CDH and ECMO CDH Euro-Consortium and UK NeuroSCAMP – an initiative to get consensus on follow-up in Europe – where are we now?

H. IJsselstijn, Netherlands.

11:30-12:30

Paediatric coagulation round table

10 minutes each, and 20 minutes of discussion

Round Table: *Ann Karimova (UK), A. Amodeo (Italy), Heidi Dalton (USA), Vaclav Vobruba (Czech Republic)*

Simple versus Intensive Anticoagulation Monitoring Strategy in Pediatric Extracorporeal Life Support Patients - L. Lequiere, Canada.

Acquired von Willebrand Syndrome and ECMO – Gail Annich, Canada

How I manage anticoagulation for pediatric VAD – Patti Massicotte, Canada

How I study coagulation and platelet function at bedside – Marco Ranucci, Italy

12:30-13:00 Lunch break

13:00-14:00 Satellite desert symposia

Saturday 26th May 2018

09:00-10:00

Cardiac ECMO

3 talks/hour – 15 minutes/talk, 5 minutes for questions/discussion

Chairs: *Dirk Vlasselaers, Belgium, Troy Dominguez, UK, Anne-marie Guergarian, Canada, Martina Sperkova, Czech Republic*

Identifying factors to improve ICU morbidity and survival after post cardiectomy ECMO – Aparna Hoskote, UK

ECMO in the failing single ventricle physiology – Peter Roeleveld, Netherlands

Mechanical support for primary graft failure after heart transplant – Jonathan Smith, UK





10:00-11:00

ECMO to VAD: Bridging to transplantation

3 talks/hour – 15 minutes/talk, 5 minutes for questions/discussion

Chairs: *Gail Annich, Canada, Ravi Thiagarajan, USA, Roman Gebauer, Czech Republic*

ECMO as cardiac support – out of fashion? – Ann Karimova, UK

Right heart failure on LVAD – the role of ECMO? – Troy Dominguez, UK

Neonatal and pediatric VAD including total artificial heart: state of the art – A. Amodeo, Italy

11:00-11:30: Coffee break

11:30-12:30

ECMO for airways surgery and Lung transplantation

3 talks/hour – 15 minutes/talk, 5 minutes for questions/discussion

Chairs: *Matteo Di Nardo, Italy, Jon Smith, UK, Vaclav Vobruba, Czech Republic*

Extracorporeal support in airways surgery – Gyorgy Lang, Austria

VA vs. VV Awake ECMO in children waiting for a lung transplant? – Florian Schmidt, Germany

The role of pediatric paracorporeal lung assist devices when ECMO cannot be sustained - David Morales, USA

12:30-13:30

Outcome research in ECMO

3 talks/hour – 15 minutes/talk, 5 minutes for questions/discussion

Chairs: *Ryan Barbaro, USA, Mark Davidson, UK, P Pokorna, Czech Republic*

Impact of post cardiac surgery ECMO on children and families – results from a prospective multicenter study in the UK. Katherine Brown – UK.

Memory deficit in ECMO survivors. A RCT to study an intervention to improve working memory: Hanneke IJsselstijn, Netherlands.

PedsNET Research on ECMO – a proposal for collaborative research – Malaika Mendonca, Switzerland.

13:30-14:00: Closing session of Euro ELSO





Ethics – Call for cases (1h)

A round table conference from Europe (Matteo Di Nardo), Canada (Anne-Marie Guerguerian), USA (Ryan Barbaro), Asia (Malaika M) plus one expert (Heidi Dalton), moderator (Mirjana Cvetkovic, Aparna Hoskote) and a surgeon (Chris Harvey)

What went wrong - call for cases (1h)

A round table conference from Europe (Claire Westrope), Canada (Anne-Marie Guerguerian), USA (G. Yigit), Asia (Graeme MacLaren) plus one expert (Heidi Dalton), moderator (Mirjana Cvetkovic, Aparna Hoskote) and a surgeon (Giles Peek)

