# EDUCATIONAL CORNER ADULTS
# EUROELSO 2018, PRAGUE

Date: **25th - 26th May 2018**

EUROELSO PRAGUE2018
BUILDING BRIDGES

## 25.5.2018 FRIDAY

| 9.00-12.00 | Group 1 | Group 2 | Club B | Club C |
|---|---|---|---|---|
| **9.00-9.40** | Club B | Club C | Topic 4 | Topic 1 |
| **9.45-10.25** | Club C | Club B | Topic 4 | Topic 1 |
| **10.30-11.10** | Club B | Club C | Topic 9 | Topic 2 |
| **11.15-12.00** | Club C | Club B | Topic 9 | Topic 2 |

## 25.5.2018 FRIDAY

| 14.30-18.30 | Group 3 | Group 4 | Club B | Club C |
|---|---|---|---|---|
| **14.30-15.20** | Club B | Club C | Topic 3 | Topic 7 |
| **15.30-16.20** | Club C | Club B | Topic 3 | Topic 7 |
| **16.30-17.20** | Club B | Club C | Topic 8 | Topic 6 |
| **17.30-18.20** | Club C | Club B | Topic 8 | Topic 6 |

## 26.5.2018 SATURDAY

| 9.00 – 13.30 | Group 5 | Group 6 | Club B | Club C |
|---|---|---|---|---|
| **9.00-9.50** | Club B | Club C | Topic 4 | Topic 5 |
| **10.00-10.50** | Club C | Club B | Topic 4 | Topic 5 |
| **11.00-11.50** | Club B | Club C | Topic 8 | Topic 7 |
| **12.00-12.50** | Club C | Club B | Topic 8 | Topic 7 |

## COORDINATION

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|---|---|
| **Justyna Swol** | Depart. Internal Medicine Pulmonology Intensive Care, Paracelsus Medical University, Klinikum Nuremberg Nord, Germany |
| **Francesca Broccati** | RN, Pediatric Intensive Care Unit, Emergency Department, Bambino Gesù Children's Hospital, Rome, Italy |

| Topic No | Contact person / Trainers | Topic |
|---|---|---|
| **1** | **Simon WC Sin**<br>The University of Hong Kong<br>Dr. Gloria Tang<br>Dr. Polly Tsai<br>Dr. Alfred Wong<br>Mr. Andy Mok<br>Ms. Nicola Tang | USG guided ECMO cannulation: from head to toe<br>**Beginners level:** Learn basic ECMO cannulation (USG guided Seldinger) technique<br>**Intermediate level:** Refine ECMO cannulation technique, Learn how to prevent ECMO cannulation complication, Troubleshoot difficult ECMO cannulation<br>**Advance level:** Learn how to use / create your cannulation model for training in an ECONOMIC way |
| **2** | **Leen Vercaemst**<br>Leuven, Belgium<br>Tim Jones,<br>BCH, UK<br>Emmanuel Devolder<br>UH Leuven, Belgium<br>Jonathan Goffoy<br>CHU Liège, Belgium | Circuit Factors & NOT Human Factors - Determining the right canulation strategy to meet the needs of the patient<br>**Goals:** To provide the participant with an understanding of the appropriate cannulation strategy to meet the needs of the patient<br>**Aims:** Indications for the different types of ECMO support<br>The rationale behind the choice of cannulation size & sites<br>The clinical and technical parameters used to assess adequacy of support<br>The interventions required if support is inappropriate |
| **3** | **Margaret Farley RN**<br>Birmingham ,UK<br>Jo-Anne Fowles RN<br>Cambridge, UK | The Thrills and Spills of delivering haemofiltration and plasma exchange during ECMO<br>**Goals:** Recognising patients who may need CRRT<br>Recognising patients who may need plasma exchange<br>**Aims:** Technical challenges of deciding where to connect 'Access' and 'Return' lines for the haemofilter<br>Working with the pressure limitations of your haemofiltration device<br>Recognising the potential risks associated with connecting the CRRT to the ECMO circuit |

| Topic No | Contact person / Trainers | Topic |
|---|---|---|
| 4 | **Mirjana Cvetkovic**<br>Leicester, UK<br><br>Maura O'Callaghan<br>London, UK | Troubleshooting on paediatric ECMO<br><br>**Goals:** Medical simulation of the routine and catastrophic ECMO problems.<br>**Aims:** Routine ECMO problems<br>**Access issues:** Flow fluctuations, Kick-back of the venous line, Haemolysis and raised free haemoglobin<br>Limb ischaemia, Bleeding cannula sites<br>**Catastrophic ECMO problems:** Pump failure, „Suck-down", Venous or arterial decannulation, Circuit rupture, Air embolism, Cardiac arrest<br>**With VA ECMO:** LV distension, Cardiac chamber thrombosis |
| 5 | **Melania Bembea**<br>Baltimore, USA<br>**Lillian Su**<br>Stanford University, USA | Kids are not small adults, even adolescents<br><br>A 50 minute case based interactive session about unique management pearls for the pediatric and adolescent patient. The focus will be on common pitfalls when dealing with pediatric patients including cannula selection and sizing, effects of circuit size on pharmacokinetics, and feasibility of mobilization. |
| 6 | **Proffessor Shingo Ichiba, MD, PhD**<br>Tokyo, Japan<br><br>Dr. Keiki Shimizu, MD, PhD<br>Professor Ichiro Takeuchi, MD, PhD<br>Dr. Hiroyuki Tanaka, MD | Post-Resuscitation Care after ROSC by ECPR in adult<br><br>**Goals:** Cardiovascular and cerebral monitoring and management for patients after ROSC by ECPR<br>**Aims:** Understanding the problems, current evidence and practical management regarding post-resuscitation care in ECPR, especially on targeted temperature management, hemodynamic and respiratory management, and neurological monitoring using rSO2 and/or an aEEG. |
| 7 | **Simon Finney**<br>Barts Health NHS Trust<br><br>Sachin Shah,<br>Jeremy Cordingley<br>Debra Gaffey<br>Mary White | Bringing it together, What would you do?<br><br>**Goals:** Cases based on genuine clinical challenges will be presented. The audience will be invited to decide what they would do if placed in a particular situation. Audience members will have electronic key pads to allow them to vote in real-time and enable the audience to reflect on their responses. The sessions are suitable for physicians, nurses and perfusionists.<br>**Aims:** The debrief will provide an opportunity to learn on a range of subjects relevant to the care of adult patients and encompass both cardiac and respiratory support. |
| 8 | **Dr. Ibrahim Fawzy**<br>Doha, Qatar<br><br>Dr. Ali Ait Hssain<br>Dr. Ahmed Labib<br>Mr. Naseem Albadw<br>Mr. Darwin Tan | Respiratory ECMO<br><br>**Aims:** This workshop will focus on how to manage the hypoxemia during VV ECMO<br>**Learning Objectives:**<br>Differentiate acute and progressive hypoxemia on VV ECMO<br>Recognize patient, machines and mixed factors<br>Describe the management of hypoxemia on VV ECMO in relation to the causes |
| 9 | **Justyna Swol**<br>ALIVE Team, Nuremberg, Germany<br><br>Matthias Baumgärtl<br>Arnim Geise<br>Katrin Buttler<br>Katrin Emmrich<br>Steffen Nietzold | ECPR Cannulation Workshop<br><br>**Aims:** This workshop provides insights showing that how to perform ECPR successfully.<br>**Learning Outcomes / Objectives:** We offer a basic training in advanced vascular access procedure. In this context, we also refer how to implement ECLS in order to assist CPR (ECPR) both in inhospital cardiac arrest (IHCA) or in out-of-hospital cardiac arrest (OHCA). |