



## Perfusion Block

Friday 25<sup>th</sup> May 2018

14:00-18:00

14:00-15:00

### ECMO circuit: physiology and technical considerations revisited

**Chair:** TBD, Jaroslav Mašín (Czech Republic), Mikael Lars Broman (Sweden)

Putting in big cannula and turning around the knobs in our VA ECMO supported patients: How to hold a therapeutic balance between supporting hemodynamics and allowing the heart to recover? - Dirk Vlasselaers (Belgium)

Pulsatile ECMO - Pro: potential benefits & technical feasibility - Steve Horton (Australia)

Pulsatile ECMO – Con: clinical irrelevance & technical pitfalls - Filip De Somer (Belgium)

The current era of travelling around with our patients on ECLS support: How can we transform our static ECLS equipment into a dynamic devices respecting safety transport guidelines? - Alois Phillip (Germany)

15:00-16:00

### Update in ECLS circuit technology

**Chair:** Leen Vercaemst (Belgium), Christian Karagiannidis (Germany), Robert Bartlett (USA)

Improvement of Oxygenator technology: how can we do better? - Ralf Borchardt (Germany)

Reduction of blood trauma by (computational) pump optimization - Sascha Groß-Hardt (Germany)

Surface coating and hollow fibers, what's next? - Stefan Breiter ()

Heater cooler devices in ECLS patients: a necessity, convenience or a threat? - Jeffrey Riley (USA)

16:00-17:00

### ECMO: The Prague/Czech experience

**Chair:** Igor Vykydal (Czech Republic), Martin Balík (Czech Republic), Antonella Degani (Italy)

ECPR in OHCA – a study from the viewpoint of a perfusionist - Frantisek Mlejnsky (Prague, Czech Republic)





ECMO transports in the conditions of the Czech republic – Gabriela Hodkova (Prague, Czech Republic)

Rewarming from accidental hypothermia using ECMO - Jaroslav Gaj (Ostrava, Czech Republic)

The role of echocardiography in ECMO patients - Zdenek Turek (Hradec Kralove, Czech Republic)

## 17:00-18:00

### **The view of the Industry on ECLS: 2019 and beyond**

**Chair:** *Roberto Lorusso (Netherlands), Alois Philipp (Germany), Max Malfertheimer (Germany)*

Translational science in ECLS: the importance of interaction between clinician – engineer and industry 10 + 5 min - Mirko Belliato, Chair of Innovation committee of EUROELSO (Italy)

The new European Medical Devices Directives and how it will impact industry and user? 10 + 5 min - *Claudius Diez, Getinge Group*

Speed Date with medical directors from the industry: what we plan for the next 5 years in ECMO therapy each 5 min (x 8 major sponsors) - Getinge, Medtronic, Xenios, Livanova, Abiomed, Baxter, Terumo, Eurosets

Panel discussion with all participates

