Advanced Adult ECMO/ECLS course
JOINT EVENT EuroELSO & ESICM
July 4-5, 2023

DAY 1

09:00 Welcome/Objectives of the Day/ Ice-breaking activity

09:15 VV-ECMO for adult respiratory failure

- Ventilator management and potential role for prone positioning
- Management of suboptimal oxygenation during VV-ECMO support
- Weaning from VV-ECMO

10:30 Capita Selecta:

- 30' Awake ECMO: Potential benefits and pitfalls
- 30' Drug pharmacokinetics during ECMO support

11:30 BREAK

11:45 ECCO2R

- Evidence
- Indications
- Techniques

12:30 **Q&A**

12:45 LUNCH

13:45 Welcome back

13:50 Role of imaging for safe ECMO cannulation and troubleshooting

14:30 Clinical case workshop: ECMO for adult respiratory failure

15:45 BREAK

16:00 ECMO for refractory cardiac arrest (ECPR)

- Evidence
- Indications and contra-indications
- Postresuscitation care and neuro prognostification on ECMO
- How to organize an ECPR program

17:15 **Q & A**

17:30 **END DAY 1**

The Intensive Connection

DAY 2

09:00 Welcome/Objectives of the Day

09:15 ECMO for adult cardiac failure: Assessment and treatment of complications secondary to patient – VA-ECMO interactions:

- Focus on left heart congestion & ventriculoatrial uncoupling: medical and surgical unloading strategies
- Other: Differential oxygenation, limb ischemia

10:30 Weaning from VA-ECMO support (including echocardiography assessment)

11:30 BREAK

11:45 VA-ECMO versus other short-term circulatory support devices (Impella, IABP, …)

12:30 Q&A

12:45 LUNCH

13:45 Welcome back

13:50 Indications and challenges of 'non-standard' ECMO configurations (V-AV, V-P, high flow configurations, V-A with a subclavian return line, …)

14:20 Clinical case workshop: ECMO for adult cardiac failure

15:35 BREAK

15:50 Short topics:

- 20': Procedures on ECMO
- 20': Intra and inter-hospital transportation on ECMO
- 20': Organisation of an ECMO program

16:50 **Q & A**

17:05 Quiz

17:30 **Wrap up / END COURSE**