08:30
09:00 SCA Lecture
   CHAIR: Patrick Wouters
   Gender equity - advancing women in medicine – Kathryn Glas

08:30
10:30 ECHO Pannel session 1: “EXPANDING THE LIMITS OF ECHOCARDIOGRAPHY”
   Moderators: C. Mukherjee, D. Bettex

08:30 – 08:50 TEE outside of the heart – M. Meineri
09:10 – 09:30 TEE Hemodynamics: do I still need a PA Catheter? – S. Treschkatch

09:30 – 09:40 Oral Presentation:
   Evaluation of Intraoperative Left Ventricular Diastolic Function by Myocardial Strain in Onpump Coronary Artery Bypass Surgery – Jakob Labus

09:40 – 10:00 PUCUS in postoperative cardiac surgical patients: is it worth the effort? - J. Ender
10:00 – 10:20 Echocardiography-guided CPR – R. Breutkreutz
10:20 – 10:30 Discussion

09:00
10:30 CPB Panel session 1: Organ Protection
   Chair: Marc Vives, Fabrizio Monaco

09:00 – 09:25 Steroids for organ protection during CPB? – Giovanni Landoni
09:25 – 09:50 Pros and contras of mini CPB – Fabrizio Monaco

09:50 – 10:00 Oral presentation:
   The HEPDOSE pilot study: the use of the PRODOSE algorithm to reverse the effects of the administration of initial high dose unfractionated heparin - Rahul Mudannayake

10:00 – 10:25 Strategies to avoid red blood cell transfusion during CPB – Kunst Kudrun
10:25 – 10:30 Discussion

08:30
10:30 ICU Panel Session 1: “PERIOPERATIVE MEDICINE”
Chair: Alberto Hernandez, A. Bouglé

08:30 – 08:50 SGLT2 inhibitors: ketoacidosis, when to stop, when to start? – Peter Wohlrab
08:50 – 09:10 Endocrinological problems in cardiac ICU: hyper-hypothyroidism, CIRCI – Isabelle Michaux
09:10 – 09:30 Bedside ultrasound evaluation of the lungs, diaphragm, trachea, veins – Massimiliano Meineri
09:30 – 09:50 Sarcopenia in the critically ill: how should we prescribe nutrition and exercise – Arabella Fischer

09:50 – 10:00 Oral presentation:
Enhanced Recovery after Elective Cardiac Surgery; a focus on Key Performance Indicators – Adarsh Mennon

10:00 – 10:20 How to reduce ICU readmission after discharge? - Adrien Bouglé
10:20 – 10:30 Discussion

08:30
10:30 PEDIATRIC Panel Session 1: “HYPOPLASTIC LEFT HEART COMPLEX - MANY CHALLENGES - ALSO NEW OPPORTUNITIES?!”
CHAIR Theofili Kousi, Edgar Szekely

08:30 – 08:50 Anatomical variations & Pathophysiology – Kathrina Schmitt
08:50 – 09:10 Timing and strategies for surgery – Zsolt Prodan
09:10 – 09:30 Challenges for the anesthesiologist – Aniruddha Janai

09:30 – 09:40 Oral Presentation:
Comparison of post-thoracotomy pain management methods: direct intercostal local analgesia versus erector spinae plane block (ESP block) – Chun Cao

09:40 – 10:00 Challenges for the pediatric intensivist – Giuseppe Isgrò
10:00 – 10:20 *Challenges in Critical-Care and Anesthetic Management of Adult Patients Living with Single Ventricle Solutions* – Jane Heggie

10:20 – 10:30 *Discussion*

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08:30
10:30 *LOCAL Hands-on Session 1: INDICATIONS AND POSSIBLE OPTIONS ON PAIN MANAGEMENT*

08:30 – 09:10 *Thoracic spine (ESP, paravertebral, Intercostal, ESP, PIFB (Pecto-Intercostal Fascial Block)*
- Mert Senturk
- Balazs Bartos

09:10 – 09:50 *Sternoclavicular joint pain, Facet joint pain - Costovertebral/costotransverse junction*
- Alper Kilicaslan

09:50 – 10:30 *Cervical sonoanatomy* – Salviz Aysu
- Agnes Stogicza

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10:30
11:00 *Coffee Break*

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11:00
12:30 *Joint Sessions EACTAIC – ESAIC: The Future of Cardiothoracic and Vascular Anesthesia & Intensive Care*  
**Chairs:** P. Wouters

11:00 – 11:15 *ESAIC’s vision on the role of EACTAIC as a subspecialty society* – F. Guarracino

11:15 – 11:30 *Towards a European curriculum and certification for CTVAIC* – P. Wouters

11:30 – 11:45 *Everybody’s business: Implementing environmentally sustainable practices* - Cathy lawson

11:45 – 12:00 *Care for each other: care for yourself* - Julie Highfield (Cardiff, United Kingdom)

12:00 – 12:15 *Artificial Intelligence is your friend. For now* - Elena Giovanna Bignami (Parma, Italy)

12:15 – 12:30 *Discussion*

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11:00
12:30 *LOCAL Session 1: “Acute pain and Hemodynamic implications”*  
**Chair:** Stogicza A, Gyöngyosi Z, Balazs

11:00 – 11:15 *Thoracic spine sonoanatomy and procedures* - Salviz Aysu
- Ágnes Stogicza
11:15 – 11:35 US guided cervical plexus block in carotid endarterectomies - Gyöngyösi Zoltan
11:35 -11.55  Epidural vs Paravertebral - Mert Senturk  Balazs Bartos
11:55- 12:15  How to avoid complications in cervical and thoracic procedures? - Agnes Stogiecz

12:15 – 12:30 Discussion

12:30
14:00 Lunch

13:00
13:45 Sponsored Symposium: “The Place of Predictive Hemodynamic Monitoring in the Cardiac Surgical Patient”
Chairs: Steffen Rex, Thomas Scheeren

13:00 – 13: 20 Predictive hemodynamic monitoring in cardiac anaesthesia – Markus Velten
13:40 – 13:45 Discussion

13:00
14:00 Sponsored Symposium: “Symposium title: Speed up your patient's blood management with autologous platelets and hemostasis management system”

13:00 – 13:10 Patient Blood Management - Andrew Klein
13:10 – 13:30 Same™ by i-SEP the new IOCS game changer- Alexandre Mansour
13:50 – 14:00 Q&A

14:00
15:30 ECHO Panel session 2: “WHEN TEE MAKES A DIFFERENCE”
Moderator: M. Meineri, S. Moravkova

14:00 – 14:15 Can we predict RV function after LVAD implantation? – I. Michaux
14:15 – 14:30 TEE Monitoring for ECMO: is the LV unloaded? – M. Mondino
14:30 – 14:45 Can the Aortic Valve be repaired? - J Van der Maaten

14:45 – 14:55 Oral Presentation:
The characteristics of Left atrial longitudinal strain in patients with cryptogenic stroke using Speckle Tracking Echocardiography - A case control study – Leila Bigdelu

14:55 – 15:10 Functional TR: TEE assessment and intraoperative surgical decision making – J. Bence
15:25 – 15:30 Discussion

14:00
15:30 CPB Meet the Experts: “AKI in Cardiac Surgery”
   Chair: Giovanni Landoni, Alberto Hernandez

14:00 – 14:40 Strategies for prevention and early treatment of CSAKI – Marc Vives
14:40 – 15:15 Venous Congestion and AKI – VEXUS score by ultrasound – Maria José Cordero
15:15 – 15:30 Discussion

14:00
15:30 VASCULAR Panel Session 1: “CRITICAL LIMB THREATENING ISCHAEMIA (CLTI)-A CINDERELLA CONDITION”
   CHAIR: Ferenci Tamás, S. Howell

14:00 – 14:20 The Epidemiology and Impact of CLTI Insights from the HUNVASCDATA-Ferenci Tamás
14:20 – 14:40 The 2023 ERAS Framework for Lower Extremity Bypass-Anaesthetic Considerations - Kate Ayyash

14:40 – 14:50 Oral presentation:
   The effect of carotid endarterectomy on cognitive function regarding cerebral hypoperfusion – Agnes Dora Sandor

14:50 – 15:10 ERAS Framework for Lower Extremity Bypass-Surgical Considerations - Kate McGinigle
15:10 – 15:30 CTI-angioplasty, Bypass or Amputate-What is the Evidence?
14:00

15:30 LOCAL Panel Session 2: “CHALLENGES AND OPPORTUNITIES IN HUNGARY”
   Chair: Janos Gál, Chirojit Mukherjee

14:00 – 14:20 Cardiac patient in the general intensive care unit - Janos Gál
14:20 – 14:40 Lower limb ischemia – Endre Kolossvary
14:40 – 15:00 Artificial Intelligence – opportunities and dangers – Pál Maurovich Horvat
15:00 – 15:20 Latest innovations using 3D technology in cardiac surgery - István Hartyánszky
15:20 – 15:40 Evolution of transesophageal echocardiography – Konstadt
15:40 – 15:45 Discussion

14:00

16:00 THORACIC HANDS-ON TRAINING
   Chair: Edmond Cohen (USA), Balázs Pálóczi (Hungary)

14:00 – 14:25 Management of intraoperative hypoxia during one-lung ventilation (Apollo simulator) - Mohamed El-Tahan (Egypt), Federico Piccioni (Italy), Thomas Hachenberg (Germany), Jakob Wittenstein (Germany)
14:25 – 14:35 Discussion
14:35 – 15:00 Hemodynamics compromises during thoracic surgery (Edwards simulator) - Mert Sentürk (Turkey), Nándor Marczin (UK)
15:00 – 15:10 Discussion
15:10 – 15:35 Airway management in thoracic anesthesia (DLTs, BBs, difficult airway) - Edmond Cohen (USA), Tamás Végh (Hungary), Jo Mourís (The Nederlands), Edda Tschernko (Austria), Radu Stoica, (Romania)
15:35 – 16:00 Possibilities of pain management in thoracic anesthesia - hands-on workshop (epidural, US-guided truncal blocks) - Manuel Granell (Spain), Bingül Emre Sertaç (Turkey), Balázs Pálóczi (Hungary), Edmond Cohen (USA)

15:30

16:40 Opening Ceremony
   Chair: G. Paternoster, P. Wouters, A. Szekely

15:30 – 15:50 Welcome Speech - G. Paternoster, P. Wouters, A. Szekely
15:50 – 16:10 That was the past - Rozalia Meszaros
16:10 – 16:30 Cardiac innovations-need for anesthesiologists - Bela Merkely
16:30 – 16:40 Best Abstract:

PECS II block as part of multimodal analgesia for minimally invasive cardiac surgery with cardiopulmonary bypass – a triple-blinded, randomized, controlled trial – Lukas Gasteiger

16:40
18:00 Welcome Cocktail

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Day 2:
**THURSDAY, OCTOBER 12**

08:30
10:30 TRANSPLANT&VAD Panel Session 1: “CONTROVERSIAL ISSUES IN HEART TRANSPLANTATION”
CHAIR: B. Martinez-Lopez, Daniela Pasero

08:30 – 08:55 New challenges in organ procurement for heart transplantation - Simon Messer (Cambridge, UK)
08:55 – 09:20 Challenges in transition from MCS to heart transplantation. – Michele Mondino

09:20 – 09:30 Oral Presentation:
Multimodal prehabilitation improves short-term post-transplant outcomes while not increasing costs for heart transplant recipients – Manuel Lopez Baamonde

09:30 – 09:55 Heart transplantation and MCS in Adult Congenital heart disease - Daniel Zimpfer (Graz, Austria)
09:55 – 10:20 *Pathophysiology of severe primary graft dysfunction in heart transplantation* – Martin Bernardi
10:20 – 10:30 *Discussion*

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**08:30**
**10:30** PEDIATRIC Panel Session 2: “OPPORTUNITIES IN PEDIATRIC CARDIAC ANESTHESIA”
CHAIR Tommaso Aloisio, Sascha Meier

08:30 – 08:50 *Initial experience with the PCA fellowship programme* – Theofili Kousi, Markus Velten
08:50 – 09:10 *Neurologic monitoring during and after pediatric cardiac surgery* – Tommaso Aloisio
09:10 – 09:30 *Depth of anesthesia monitoring in pediatric cardiac anesthesia – standard of care?* – Sascha Meier

09:30 – 09:40 *Oral presentation:*
Improving transfer and handover process of intubated paediatric cardiac patients between the operating theatre and paediatric intensive care unit patients - a quality improvement project – Swapna Thampi
09:40 – 10:00 *Enhanced recovery after paediatric cardiac surgery - where do we stand?* – Markus Velten
10:00 – 10:20 *Kidney injury related to paediatric cardiac surgery - what the anaesthetist can do about it* – Lex Daniel
10:20 – 10:30 *Discussion*

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**08:30**
**10:30** HEMOSTASIS Panel Session 1 “CHALLENGES IN TRANSFUSION STRATEGIES AND OLD AND NEW DRUGS”
Chairs: Daniel Bolliger, Gabor Erdoes

08:30 – 08:50 *Artificial Intelligence in the perioperative setting: is there a role in transfusion policies in cardiac surgery?* – A. Ahmed
08:50 – 09:10 *Acquired bleeding disorders during cardiac surgery: how to diagnose and manage* – G. Erdoes

09:10 – 09:20 *Oral Presentation:*
Heparin reversal with two protamine-heparin ratios after cardiopulmonary bypass. A randomized controlled pilot feasibility study – Evangelia Samara

09:20 – 09:40 Antithrombin administration in cardiac surgery: fall and rise - M. Ranucci
09:40 – 10:00 Role of FXIII administration in cardiac surgery bleeding - M. Lancè
10:00 – 10:20 Alternative anticoagulants: where are we? - D. Bolliger
10:20 – 10:30 Discussion

08:30
10:30 Thoracic Masterclass
Chairs: Mert Sentürk (Turkey), Edda Tschernko (Austria)

08:30 – 08:50 Interpreting lung function tests and cardiac tests: tips and tricks - Thomas Hachenberg (Germany)
08:50 – 09:10 Indications and interpretation preoperative cardiac tests: tips and tricks - Jakob Wittenstein (Germany)
09:10 – 09:30 EuroLung and Thoracoscore: Evidences and how to calculate them correctly? - Balázs Pálóczi (Hungary)
09:30 – 09:50 Preoperative care of high risk thoracic surgical patients - Federico Piccioni (Italy)
09:50 – 10:10 Postoperative care of high risk thoracic surgical patients - Manuel Granell Gil (Spain)
10:10 – 10:30 Discussion

08:30
10:30 ECHO Workshop 1: “BASIC FATE AND LUNG”

08:30 – 09:00 TTE Basic Views - Peter Juhl-Olsen
09:00 – 09:30 Lung US - Stefan Bouchez
09:30 – 10:00 Passive Leg Raise/IVC Assessment - Sacha Treschkatch
10:00 – 10:30 TTE Pathology - Johan Bence

08:30
10:30 ECHO Workshop 2: “ECHO-GUIDED PROCEDURES”

08:30 – 09:00 US-Guided Blocks: PIRS, ESK - Mario Cibelli
09:00 – 09:30 Vascular Access - Joerg Ender
09:30 – 10:00 Airway Ultrasound - Massimiliano Meineri
10:00 – 10:30 US guided Chest Tube Insertion - Antonio Rubino

10:30
11:00 Coffee Break

10:30
12:30 ECHO Workshop 3: “Basic TEE”

10:30 – 11:00 Basic TEE Views with Simulator - Peter Juhl-Olsen
11:00 – 11:30 TEE Hemodynamic assessment - Michael Schup
11:30 – 12:00 Gross valve Pathologies - Sarka Moravkova
12:00 – 12:30 Ventricular Pathologies – Michele Mondino

10:30
12:30 ECHO Workshop 4: “3D TEE”

10:30 – 11:00 3D Acquisition - Johan Bence
11:00 – 11:30 3D Cropping - Dominique Bettex
11:30 – 12:00 3D Models - Chirojeet Mukherjee
12:00 – 12:30 MPR - Joost Van der Maaten

10:30
12:30 THORACIC Panel Session 2: “CHALLENGES IN THORACIC ANESTHESIA”
   Chairs: Nándor Marczin (UK), Federico Piccioni (Italy)

10:30 – 10:50 Tidal volumes and compliance: inspired from the best evidence available - Mohamed El-Tahan (Egypt)
10:50 – 11:10 Is protective ventilation data applicable to one-lung ventilation? - Edmond Cohen (USA)
11:10 – 11:30 The non-ventilated lung - Tamás Végh (Hungary)
11:30 – 11:40 **Oral Presentation:**

Pulmonary artery wave intensity analysis in a pig model of lung resection – Thomas Keast

11:40 – 12:00 **Thoracic anesthesia for non-lung resection thoracic surgery** - Radu Stoica (Romania)
12:00 – 12:20 **Role of the ECMO in thoracic anesthesia** - Edda Tschernko (Austria)
12:20 – 12:30 **Discussion**

11:00

12:30 TRANSPLANT & VAD Panel Session 2: “LUNG TRANSPLANTATION”
    Chair: Andrea Szekely and Martin Dworschak

11:00 - 11:15 **Borders in lung transplantation: When is it too late?** - Kavita Dave
11:15 - 11:30 **New lung preservation techniques and effect on outcomes in lung transplantation** - Thomas Schweiger
11:30 - 11:45 **The role of inflammatory biomarkers (measured during EVLP) on the development of primary graft dysfunction after lung transplantation** - György Lang (Switzerland)
11:45 - 11:55 **Oral abstract presentation**
11:55 – 12:10 **Pros and cons of early tracheostomy after lung transplantation** – Alessandra Verzelloni
12:10 – 12:25 **New insights/gaps in the International lung transplantation guideline** - Daniela Pasero
12:25 – 12:30 **Discussion**

11:00

12:30 VASCULAR Panel Session 2: “THORACOABDOMINAL ANEURYSMS- WHERE ARE WE NOW?”
    CHAIR: F. Guarracino S. Howell

11:00 – 11:20 **Surgery, Stenting, Hybrid, or Leave Alone?** - Christian Berger
11:20 – 11:40 **Preoperative Assessment-Do Cardiovascular Tests Add Value?** – Simon Howell

11:40 – 11:50 **Oral Presentation:**

Trends and outcomes in anaesthesia for peripheral vascular surgery in patients with known cardiac comorbidity in Denmark – Jannie Bisgaard
11:00

12:30 Local Session 3: “ECPR recent advances”
Chair: Zima, F. Sangalli

11:00 – 11:15 ECPR in OHCA, do we still need evidence? - F. Sangalli
11:15 – 11:30 ECPR: choosing the right patient still matters or one size can fit all? - Istvan Edes
11:30 – 11:45 Developing an ECPR program: recipes to avoid pitfalls. – P. Bertini
11:45 – 12:00 Post-arrest care in patients who underwent ECPR for CA: what’s new? - Endre Zima
12:00 – 12:15 Unloading the left ventricle during va-ecmo: a need for all patients? – Meini Paolo
12:15 – 12:30 Discussion

12:30
14:00 Lunch

13:00
14:00 General Assembly

14:00

15:30 Local Session 4: Educational Perspectives
CHAIR M. El Tahan, A. Szekely

14:00 – 14:15 Topic Education-uniform/diverse
14:15 – 14:30 Education in the future-need for specialistion and how? - Wolfgang Buhre
14:30 – 14:45 Current practice Diplom of CVA anaesthesia? - Mohamed El Tahan
14:45 – 15:00 ESAIC perspectives
15:00 – 15:15 Pediatric Anesthesia-the little orphan -Who should teach it how
15:15 – 15:30 Discussion

14:00
15:30 CPB Panel Session 2: “Perfusion and CPB”
Chair: Kunst Gudrun, Maria Jose Cordero

14:00 – 14:25 Atrial fibrillation prevention and early treatment – Jose Luis Carrasco
14:25 – 14:50 Delirium and neurocognitive dysfunction during CPB - Kunst Gudrun

14:50 – 15:00 Oral presentation:

In-Vitro Investigation of Insulin Dynamics During Four Hours of Simulated Cardiopulmonary Bypass – Thilo Schweizer

15:00 – 15:25 Goal-directed therapy in fluid therapy during cardiac surgery – Marc Vives
15:25 – 15:30 Discussion

14:00
15:30 Thoracic Panel Session 1: “POSSIBILITIES IN THORACIC ANESTHESIA”
Chairs: Tamás Végh (Hungary), Edmond Cohen (USA)

14:00 – 14:15 Opioid free anesthesia in thoracic anesthesia: rising star or shooting star? - László Szegedi (Belgium)
14:15 – 14:30 Possibilities in pain management in thoracic anesthesia: new kids on the block? - Mert Sentürk (Turkey)
14:30 – 14:45 Does it matter what drugs we use in thoracic anesthesia? What outcome matters? - Jo Mourisse (The Nederlands)

14:45 – 14:55 Oral Presentation:

Feasibility of Right Ventricular Free Wall Longitudinal Strain Assessment of Contractile Reserve in Patients Undergoing Lung Resection – James McErlane

14:55 – 15:10 Pediatric thoracic anesthesia: are the children small adults? - Federico Piccioni (Italy)
15:10 – 15:25 Frailty in thoracic anesthesia - Nándor Marczin (UK)
15:25 – 15:30 Discussion
14:00

15:30 ICU Panel Session 2: “INFECTIOLOGICAL PROBLEMS IN THE FIELD OF CARDIAC SURGERY”
Chair: Philippe Gaudard, Rashed Aref

14:00 – 14:20 How to diagnose and treat sternites/mediastinitis – Rashed Aref
14:20 – 14:40 Endocarditis on material (implantable stimulating devices, valves, LVAD) – Philippe Gaudard

14:40 – 14:50 Oral Presentation:
Polydistrectual resistance index evaluation is an assessment of vascular compliance in patients with septic shock treated with vasopressin – Alessio Barile

14:50 – 15:10 Pharmacokinetic of antibiotics and antifungals under extracorporeal circuits – Claire Roger
15:10 – 15:30 How I personalize fluid therapy in cardiac septic patients – Rozec Bertrand

14:00

16:00 LOCAL HANDS-ON TRAINING 2

14:00 – 14:40 Pain in cardiac surgery – Racz Kristóf, Zoltán Gyöngyösi
15:20 – 16:00 Pain in thoracic surgery – Racz Kristóf, Zoltán Gyöngyösi

14:00

16:45 Hemostasis Masterclass: Prevention and management of bleeding and transfusion in cardiac surgery
Chair: B. Martinez, M. Lancè

14:00 – 14:05 Introduction by course instructors - B. Martinez, M. Lancè
14:05 – 14:20 Pathophysiology of coagulation in cardiac surgery – Brigitta Romlin
14:20 – 14:40 New insights in monitoring coagulation and platelet function during cardiac surgery – Marcus Lancè
14:40 – 15:00 Goal directed haemostatic protocols for the bleeding cardiac surgery patient – B. Babik
15:00 – 15:20 Perioperative management of DAPT and DOACs - B. Martinez
15:20 – 15:40 Safety and limits of haemostatic therapy (PCC, fibrinogen, plasma) - E. Ortmann
15:40 – 16:45 Interactive clinical cases and Q&A – Marco Ranucci, Blanca Martinez

17:00
18:00 Hemostasis Hands on training course
- ROTEM (Werfen) (F. Yevenes)
- TEG (Haemonetics) (K. Drizlionoka)
- Multiplate (Roche) (E. Baryshnikova)
- Quantra (A. Ahmed)
- ClotPro (Haemonetics) (E. Ortmann)
- Hepcon (Medtronic) (G. Erdoes)

15:30
16:00 Break

16:00
18:00 Poster Discussion
Day 3:

**FRIDAY, OCTOBER 13**

08:30

09:30 ICU Meet the experts: “ABOUT A CASE OF KETOACIDOSIS: HEMODYNAMIC INSTABILITY AFTER CARDIAC SURGERY”

Chair: Isabelle Michaux; Fabio Sangalli

08:30 – 09:15 About one case of non-diabetic keto-acidosis – P. Wohlrab
09:15 – 09:30 Final Considerations - Isabelle Michaux; Fabio Sangalli

09:00

10:30 JOINT SESSION H&T, ICU, PEDIATRICS AND CPB SUBCOMS: “ANTICOAGULATION, TRANSFUSION AND EXTRACORPOREAL CIRCUITS: WHERE ARE WE GOING?”

Chairs: P. Gaudard, B. Martinez, S. Meier, M Vives

09:00 - 09:20 Heparin induced thrombocytopenia in the post cardiac surgery period - Hardy M. Namur
09:20 - 09:40 PBM in the pediatric cardiac patient - Brigitta Romlin
09:40 - 10:00 **Anticoagulation monitoring in ECMO: doubts and certainties** - Marco Ranucci
10:00 - 10:20 **Strategies to monitor heparin during CPB: pro and con** – Marc Vives
10:20 – 10:30 **Discussion**

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**08:30**

**10:30 Transplant Masterclass 1 “THE ROLE OF MECHANICAL CIRCULATORY SUPPORT IN END-STAGE HEART FAILURE: ESHF AND SHORT TERM MCS”**

Chairs: Endre Nemeth and Phillipe Gaudard

08:30 – 08:45 **Setting the scene: Options in management of Intermacs 1 patients** - Hynek Riha (Praque, Czech Republic)
08:45 – 09:00 **Do we still need the Intra-Aortic Balloon Pump?** - György Koszta
09:00 – 09:15 **Pros and cons of Impella device.** - Ana Hurtado (London, United Kingdom)
09:15 – 09:30 **ECMO for SCAI C, D and E** - Guillaume Lebreton (Paris France)
09:30 – 09:45 **Importance of unloading the LV** - Daniela Pasero (Sassari, Italy)
09:45 – 10:00 **Meet the expert - Options in escalating techniques: a case presentation** - Hynek Riha (Praque, Czech Republic)
10:00 – 10:15 **Meet the expert - Use of echocardiography in escalating and de-escalating: a case presentation** – Massimiliano Meineri
10:15 – 10:30 **Discussion**

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**09:00**

**10:30 LOCAL Panel Session 5: “CHALLENGES OUTSIDE AND INSIDE OF HUNGARY”**

**CHAIR**

09:00 – 09:15 **Temperature management during cardiac surgery** - Kertai
09:15 – 09:30 **Blood purification** - Nemeth E
09:30 – 09:45 **Translational medicine** – Radovits

09:45 – 09:55 **Oral Presentation:**

**Associations of individualized versus conventional blood glucose thresholds with acute kidney injury after cardiac surgery: a retrospective observational study** – In Eob Hwang

09:55 – 10:10 **Pharmacological interventions in cardiac surgery** - Papp Zoltán
10:10 – 10:25 **Perioperative blood pressure management** – G. Paternoster
10:25 – 10:30 **Discussion**
09:30
10:30 VASCULAR Meet the expert: Management to Spinal Drain

09:30 – 09:50 **Spinal Drains-When to insert** - Daniel Bolliger
09:50 – 10:10 **Spinal Drain Insertion-Practical tips** - Jan Schreiber
10:10 – 10:30 **Spinal Drain Management**

10:30
11:00 Coffee Break

11:00
12:30 **Awards & Closing Ceremony**

11:00 – 11:30 **Presentation of EACTAIC Education Awards** – Mohamed El Tahan
11:30 – 12:00 **Presentation of EACTAIC Research Grant Awards** – Steffen Rex
12:00 – 12:30 **Closing remarks** – Patrick Wouters, Gianluca Paternoster, Andrea Szekely

12:30
13:30 **Sponsored Symposium: “NIRS REQUIRES ONE BRAIN TO PERFORM: YOURS”**
   **CHAIR:** Patrick Wouters
12:30 – 12:35 **Introduction** - Patrick Wouters
12:35 – 12:50 **How NIRS monitoring adds to the safety of cardiac patients in daily practice** - Sean Bennett
12:50 – 13:05 **Cerebral oximetry: promises and pitfalls** - Steffen Rex
13:05 – 13:20 **Put your NIRS glasses on and you will see the heart** - Patrick Wouters
13:20 – 13:30 Panel discussion

12:30
13:30 Lunch

13:30
15:30 **TRANSPLANT MASTERCLASS 2: “THE ROLE OF MECHANICAL CIRCULATORY SUPPORT IN END-STAGE HEART FAILURE: ESHF and DMCS”**
   **Chair:** Miklos Polos, Ana Hurtado
Preoperative optimization of patients scheduled for VAD implantation – Guillaume Lebreton

RV Failure: risk stratification and strategies - Blanca Martinez (Verona, Italy)

Prevention of long-term complications after LVAD implantation - Martin Dworschak (Vienna, Austria)

Postoperative management in the ICU - Philippe Gaudard (Montpellier, France)

Meet the expert - RV failure post LVAD – Waqas Akhtar

Meet the expert - Bridge to recovery, is it possible? - Edda Tschernko

Discussion

13:30 CPB Panel Session 3
Chair: M. Vives, G. Landoni

Difficult CPB weaning: prediction, prevention and early treatment – F. Monaco

Oral presentation

A randomized comparison between two different CPB oxygenators in order to improve recovery from delirium and or cognitive decline in the elderly during cardiac surgery – Lorenzo Mantovani

Hemodynamic complications after CPB: stunning and myocardial infarction – an update – M. J. Cordero

Discussion

13:30 LOCAL Panel Session 6: “Short updates on the current best practices in cardiothoracic anaesthesia by junior professional”
CHAIR M. El Tahan, A. Szekely

The latest on equipments and procedures used in cardiothoracic anaesthesia

Cerebral and spinal cord protection and neuromonitoring - Daniel Lex

Cardiac performance monitoring - latest evidences in transoesophageal echocardiography and other modalities - Nora Di Tomasso

Pharmacological RV support - Lőrinc Závorszky

Mechanical circulatory support - Czobor Nikoletta Ráhel

Thoracic anaesthesia, VATS-SLB - Mohamed R. El Tahan

Congenital cardiothoracic anaesthesia - Mihaly Gergely
Perioperative management in cardiothoracic anaesthesia and intensive care

15:00 – 15:15 Prehabilitation, frailty and ERACS - Mihai Stefan
15:15 – 15:30 Latest evidences in regional anaesthesia for cardiothoracic procedures - Gergely Csikos
15:30 – 15:45 Role of ultrasound in the ICU - POCUS - Liana Valeanu
15:45 – 16:00 Coagulation management - Tünde Szalay-Frank
16:00 – 16:15 Management of transplantation patients - Nandor Marczin
16:15 – 16:30 Management of GUCH patients - Balázs Szabó