MiECTiS
Minimal Invasive
Extracorporeal Technologies
International Society

Innovation and Future

2nd International Symposium on Minimal Invasive Extracorporeal Technologies

MiECT

ATHENS 9-11 JUNE 2016
Megaron Athens
International Conference Center
Website: www.miectis.org

Symposium President

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Main Topics

- Physiology of perfusion
- MiECC technology
- Biocompatibility
- Microcirculation
- Coagulation
- Pulsatile perfusion
- Surgical considerations
- Anaesthetic strategies
- MiECC vs. conventional CPB systems
- MiECC vs. OPCAB
- MiECC in valve surgery
- MiECC in minimal-invasive cardiac surgery
- Modular systems

Congress Venue: Megaron Athens International Conference Center
Preliminary Scientific Programme

Programme Overview

- 5 Keynote Lectures
- 9 Round Tables
- 6 Lectures on specific topics

Thursday 9th June 2016

Main Auditorium

16:00 - 16:30 Keynote Lecture 1
Moderator: Thierry Carrel
Introduction to MiECTiS
Kyriakos Anastasiadis

16:30 - 17:15 Round Table 1
The evolution of MiECC: From type I to modular to systems
Moderator: Adrian Bauer
Type I systems: The Regensburg experience
Alois Philipp
Conversion from Resting Heart to a closed-bag system
James Ferguson
Modular MiECC: A rationale perspective
Aschraf El-Essawi

17:15 - 18:00 Oral presentations 1
Moderator: Y. Abu-Omar
Discussants: Y. Fromes, H. Jenni, J. Schaarschmidt

18:00 - 18:30 Break
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<tr>
<th>Time</th>
<th>Event</th>
<th>Moderator/Presenter</th>
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<tbody>
<tr>
<td>18:30 - 19:30</td>
<td><strong>Round Table 3</strong></td>
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<td></td>
<td><strong>Optimizing MiECC strategy</strong></td>
<td><strong>Erich Gygax</strong></td>
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<td>Optimization of venous drainage into the MiECC circuit</td>
<td><strong>Mark Bennett</strong></td>
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<td>Venous return during MiECC. Should we look for better monitoring?</td>
<td><strong>Filip De Somer</strong></td>
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<td>Is BMI a relevant aspect for using minimized circuit?</td>
<td><strong>Bernhardt Flörchinger</strong></td>
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<td>Low anticoagulation protocol during biocompatible CPB</td>
<td><strong>Christophe Baufreton</strong></td>
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<td>19:30 - 20:00</td>
<td><strong>Keynote Lecture 2</strong></td>
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<td><strong>MiECC Quo vadis?</strong></td>
<td><strong>Kyriakos Anastasiadis</strong></td>
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<td>20:00 - 21:30</td>
<td><strong>Opening Ceremony - Presidential Address</strong></td>
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Hall B

16:30 - 17:15  
**Round Table 2**  
MiECC in Aortic Valve Surgery  
Moderator: Harald Hausmann

- Tips and pitfalls  
  Allaadin Yilmaz

- MiECC in Aortic Surgery- the Bari experience  
  Valerio Mazzei

- MiECC in MiC AVR  
  Christoph Starck

17:15 - 18:00  
**Oral Presentations 2**  
Moderator: F. Formica

Discussants: S. Costabile, A. Deliopoulos

18:00 - 18:30  
**Break**

18:30 - 19:00  
**Lecture 1**  
Moderator: Balthasar Eberle

Does pulsatility have a beneficial effect on cerebral perfusion in minimized circulation?  
Andreas Liebold

Discussant: John Murkin

19:00 - 19:30  
**Lecture 2**  
Moderator: Marco Ranucci

MiECC and the Brain  
Helena Argiriadou

Discussant: John Murkin
Friday 10th June 2016

Main Auditorium

09:00 - 10:00  Round Table 4  
**Congenital cardiac surgery**
Moderator: **Erich Gygax**

Design of a MiECC circuit for pediatric cardiac surgery
**Alexander Kadner**

Benefits of MiECC in congenital cardiac surgery
**Yves Durandy**

Blood conservation strategies in pediatric cardiac surgery
**Serdar Gunaydin**

10:00 - 11:00  Oral Presentations 3  
Moderator: **T. Puehler**

Discussants: **M. Heringlake, C. Serrick**

11:00 - 11:30  Break

11:30 - 12:30  EuroELSO Round Table

12:30 - 13:00  Keynote Lecture 3  
Moderator: **Kyriakos Anastasiadis**

Optimizing bypass for end organ preservation: Beyond miniCPB
**John Murkin**

13:00 - 14:00  Lunch Break

16:00 - 17:30  Ask The Expert Session
17:30 - 18:00  MiECTiS General Assembly

18:00 - 18:30  Break

18:30 - 19:30  ISMICS Round Table

19:30 - 20:00  Keynote Lecture 4
Moderator: Thierry Carrel

Kidney function, hemodilution, and oxygen supply
Marco Ranucci
Hall B

09:00 - 10:00  **Round Table 5**  
**Extended use of MiECC**  
Moderator: **Polychronis Antonitsis**

MiECC for resuscitation from accidental hypothermic cardiac arrest  
**Balthasar Eberle**

Will MiECC replace CPB or ECMO rewarming for deep accidental hypothermia patients?  
**Beat Walpoth**

Use of MECC in lung transplantation procedures  
**Cyrill Serrick**

Simulation/training of Minimally Invasive ECT  
**Adam Fernandez**

10:00 - 11:00  **Oral Presentations 4**  
Moderator: **Alois Philipp**

Discussants: **B. Floerchinger, J. Ferguson**

11:00 - 11:30  **Break**

11:30 - 12:00  **Lecture 3**  
Comparison of risks between conventional cardiopulmonary bypass and MiECC  
**Frank Merkle**

Discussant: **M. Heringlake**

12:00 - 12:30  **Lecture 4**  
The quest for “physiologic” perfusion  
**Polychronis Antonitsis**

Discussant: **Marco Ranucci**

12:30 - 14:00  **Lunch Break**
14:00 - 15:00  Industry-Sponsored Symposium

15:00 - 16:00  Industry-Sponsored Symposium

16:00 - 17:00  Industry-Sponsored Symposium

17:00 - 18:00  Industry-Sponsored Symposium

18:00 - 18:30  Break

18:30 - 19:30  Round Table 6
Microcirculation
Moderator: Riccardo Sinatra

The role of hemodilution/blood viscosity in microcirculatory perfusion disturbances
Christa Boer

The benefits of MiECC on human endothelium after CABG
Bernhard Winkler

Humoral markers for early diagnosis of acute kidney injury after cardiac surgery - A solved problem?
Matthias Heringlake

Remote Ischaemic preconditioning and cardiopulmonary bypass
Prakash Punjabi
Saturday 11th June 2016

Main Auditorium

09:00 - 09:30 Lecture 5
Moderator: Harald Hausmann
Adrian Bauer
Discussant: K. Anastasiadis

09:30 - 10:30 Oral Presentations 5
Moderator: Erich Gygax
Discussants: T. Puehler, F. Merkle, H. Argiriadou

10:30 - 11:00 Lecture 6
Moderator: Andreas Liebold
M. Ranucci

11:00 - 11:30 Break

11:30 - 12:30 Round Table 8
Is MiECC the optimal perfusion strategy?
Moderator: Thomas Puehler

MiECC from an economic perspective
Nikolaos Maniadakis

End-organ protection during MiECC surgery
Wim van Boven

Implentation Of Modular MiECC Systems (Type IV) Into Clinical Practice: Is This The Final Solution?
Serdar Gunaydin

Goal directed perfusion- the Berlin experience
Christoph Starck
12:30 - 13:00  
**Keynote Lecture 5**  
Moderator: **Kyriakos Anastasiadis**  
**Thierry Carrel**
Hall B

09:00 - 10:00  **Round Table 7**
Joint Session (EACTA)

10:00 - 11:00  **Oral Presentations 6**
Moderator: B. Eberle
Discussants: B. Winkler, M. Bennett

11:00 - 11:30  **Break**

11:30 - 12:30  **Round Table 9**
Cardiac surgery - A team approach
Moderator: Stephen Westaby

Physiological variables for risk stratification in cardiac surgery
Matthias Heringlake

From “effective” to “optimized” and to “physiologie” perfusion
Polychronis Antonitsis