

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

Symposium President



Kyriakos Anastasiadis (Greece)

Associate Professor of Cardiothoracic Surgery,
Head of Cardiothoracic Department
AHEPA University Hospital, Thessaloniki
anastasi@auth.gr

Symposium Secretary



Polychronis Antonitsis (Greece)

Assistant Professor of Cardiac Surgery
Department of Cardiothoracic Surgery,
AHEPA University Hospital, Thessaloniki
antonits@auth.gr

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

18:30 - 19:30

Round Table 3

Optimizing MiECC strategy

Moderator: **Erich Gygax**

Optimization of venous drainage into the MiECC circuit

Mark Bennett

Venous return during MiECC. Should we look for better monitoring?

Filip De Somer

Is BMI a relevant aspect for using minimized circuit?

Bernhardt Flörchinger

Low anticoagulation protocol during biocompatible CPB

Christophe Baufreton

19:30 - 20:00

Keynote Lecture 2

Moderator: **Kyriakos Anastasiadis**

MiECC Quo vadis?

Gianni Angelini

20:00 - 21:30

Opening Ceremony - Presidential Address

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

Cyrril 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

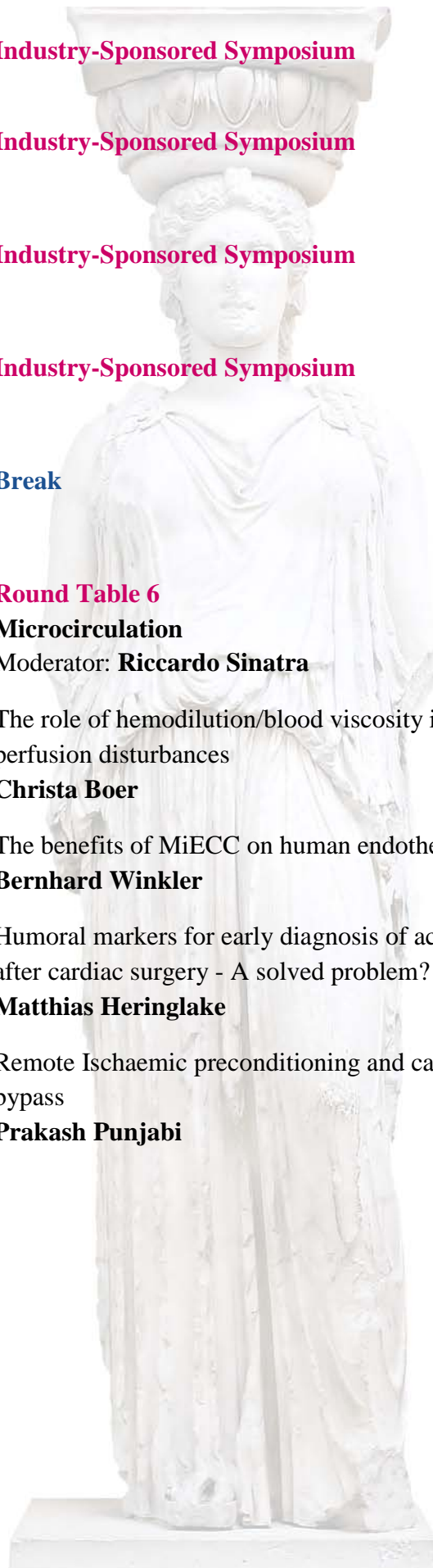
Bernhard Winkler

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 Gyga**

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 “physiologic” perfusion

Polychronis Antonitsis