



ECPR

PRAGUE SCHOOL

OCTOBER 18–20, 2023

Czech Republic

Cubex Centrum Prague, Na Strži 2097/63

WWW.ECPRPRAGUE.COM

Wednesday October 18 – Precongress workshops

▶ DIFFERENT VENUE!

**Charles University, First Faculty of Medicine,
Institute of Physiology, Albertov 5, 128 00 Prague 2**

- 9:00–16:30 Hands-on experimental ECPR Workshop**
Jan Belohlavek, Mikulas Mlcek, Anna Valerianova, Petr Ostadal
- 9:00–11:00 Didactic Block
ECPR Why, When, How?
ECPR essential Physiology, Unloading
- 11:00–16:00 Hands-on, demos and discussions
Experimental setup, monitoring
ECPR induction and management
Lunch Break
Unloading

▶ MAIN VANUE

**CUBEX Congress Center
Na Strži 2097/63, Prague 4**

Training room 1

- 11:00–12:30 Zurich ECMO Training Village – edition 1**
Martin Oliver Schmiady, Tobias Aigner, Christopher Kupka
Ultrasound guided vascular access and wire skills
Peripher Cannulation
Large bore hole closure/ use of different closure devices
Trouble shooting on ECMO
- 12:30–13:30 Mini lunch break
- 13:30–15:00 Zurich ECMO Training Village – edition 2**
Martin Oliver Schmiady, Tobias Aigner, Christopher Kupka
Ultrasound guided vascular access and wire skills
Peripher Cannulation
Large bore hole closure/ use of different closure devices
Trouble shooting on ECMO
- 15:00–15:30 Coffee Break

- 15:30–17:00 **CN SIM-based ECPR MEGACODE module 1**
Jordi Riera, Eduard Argudo, María Martínez, María Vidal
- 17:00–17:30 Coffee Break
- 17:30–19:00 **BCN SIM-based ECPR MEGACODE module 2**
Jordi Riera, Eduard Argudo, María Martínez, María Vidal

Training room 2

- 11:00–12:30 **Pediatric ECMO Training Village – edition 1**
Mirjana Cvetkovic
- 12:30–13:30 Mini lunch break
- 13:30–15:00 **Pediatric ECMO Training Village – edition 2**
Mirjana Cvetkovic
- 15:00–15:30 Coffee break
- 15:30–17:00 **Poznan SIM Center Simulation – edition 1**
Justyna Swol, Marek Dabrowski, Mateusz Puszlecki
- 17:00–17:30 Coffee break
- 17:30–19:00 **Poznan SIM Center Simulation – edition 2**
Justyna Swol, Marek Dabrowski, Mateusz Puszlecki

Training room 3

- 11:00–12:30 ECPR for beginners**
Daniel Rob, Michael Poppe
- 11:00–11:15 What is ECPR – the basics
Michael Poppe
- 11:15–11:30 How we started to perform ECPR
Michael Poppe
- 11:30–11:45 What an ICU physicians needs to know about ECPR
Milan Dusik
- 11:45–12:00 What a cathlab physician needs to know about ECPR
Daniel Rob
- 12:00–12:30 Discussion
All
- 12:30–13:30 Mini lunch break

13:30–15:00 Methodology in ECMO, ECPR and cardiac arrest

Jan Belohlavek, Christiaan Meuwese, Daniel Rob

13:30–13:50 **Methodology of ECMO studies**

Christiaan Meuwese

13:50–14:10 **How we did the Prague OHCA study - the methodological challenges**

Jan Belohlavek

14:10–14:30 **Methodology of the planned OSIRIS trial**

Jan Belohlavek, Daniel Rob

14:30–14:40 **OSIRIS methodology controversies**

Jacob Hollenberg

14:40–14:50 **Methodology in cardiac arrest in Vienna is a long time established paradigm**

Ingrid Anna Maria Magnet

14:50–15:00 **Discussion**

All

15:00–15:30 **Coffee break**

15:30–17:00 A workshop on neurological outcome assessment in cardiac arrest

Gisela Lilja, Daniel Rob

15:30–15:50 **How is the routine follow-up after ECPR organized in Prague GUH**

Daniel Rob, Petra Kavalkova

15:50–16:00 **How we assessed the patients in TTM trials**

Michal Siranec

16:00–16:30 **Overview of available assessments and which one to choose**

Gisela Lilja

16:30–17:00 **Discussion**

All

17:00–17:30 **Coffee break**

17:30–19:00 ECPR case reports championship

Ingrid Anna Maria Magnet, Martin Oliver Schmiady

17:30–17:40 **Ljubljana**

Tomaz Goslar

17:40–17:50 **Prague**

Sona Mecirova

17:50–18:00 **Lisbon**

Simao De Castro Rodeia

18:00–18:10 **Wroclaw**

Wiktoria Kuliczowski

18:10–18:20 **Barcelona**

Eduard Argudo

18:20–18:30 **Milano**

Mara Scandroglio

18:30–18:40 **Kyjev**

Stephan Maruniak

18:40–19:00 **Public discussion, evaluation, voting, award**

Chairs + Jan Belohlavek

Training room 4

11:00–12:30 **Prague SIM Center Simulation edition 1**

Jan Pudil, Frantisek Mlejnsky

13:30–15:00 **Prague SIM Center Simulation edition 2**

Jan Pudil, Frantisek Mlejnsky

15:30–17:00 **Smart app ECPR activation – hands on: Medtext.eu edition 1**

Lukas Busek

17:30–19:00 **Smart app ECPR activation – hands on: Medtext.eu edition 1**

Lukas Busek

Training room 5

Getinge ECPR serious games:

11:00 *Jan Belohlavek*

14:00 *Demetris Yannopoulos*

17:00–17:30 **Coffee break**

Thursday October 19 – MAIN CONGRESS

DAY 1 - MAIN HALL

11:00–11:05 **Welcome notes**

Jan Belohlavek

11:05–12:30 **ECPR in OHCA – current state of the art**

Jan Belohlavek, Demetris Yannopoulos, Marcel C.G. van de Poll

11:05–11:25 **Growing evidence**

Jan Belohlavek, Demetris Yannopoulos

11:25–11:45 **ECPR metaanalyses**

Fabio Silvio Taccone

11:45–12:05 **What have we learned from our trial**

Marcel C.G. van de Poll

12:05–12:20 **Why is another (last?) trial needed....**

Jan Belohlavek

12:20–12:30 **Round table discussion**

All

12:30–13:30 **Mini lunch break**

13:30–15:00 **In hospital ECPR readiness**

Brian Grunau, Jan Belohlavek

13:30–13:50 **ECPR eligibility as evidenced so far...**

Brian Grunau

13:50–14:10 **Our in-hospital (E)CPR protocol and use of ED**

Zack Shinar

14:10–14:30 **We prefer cathlab...**

Marko Noc

14:30–14:50 **But we move hospital out...**

Alice Hutin

14:50–15:00 **Round table discussion**

All

15:00–16:30 **Pro-con debate Unloading in ECPR**

Dirk Westermann, Roberto Lorusso

15:00–15:20 **Difference in unloading cardiogenic shock and ECPR**

Benedikt Schrage

15:20–15:40 **Unloading techniques available**

Roberto Lorusso

15:40–15:55 **Unloading needed for ECPR: PRO**

Dirk Westermann

15:55–16:10 **Unloading needed for ECPR: CON**

Demetris Yannopoulos

16:10–16:30 **Round table discussion**

All

16:30–17:00 **Coffee break**

17:00–18:30 **Outcome in ECPR**

Annemieke Oude Lansink-Hartgring, Gisela Lilja

17:00–17:20 **Long term outcome in Prague OHCA RCT**

Daniel Rob

17:20–17:40 **What the neurological outcome in cardiac arrest means**

Gisela Lilja

17:40–18:00 **Quality of life**

Annemieke Oude Lansink-Hartgring

18:00–18:30 **Discussion**

All

18:30–19:30 **Organ donation in ECPR**

Alice Hutin, Marcel C.G. van de Poll

18:30–18:45 **Brain death determination after ECPR**

Fabio Silvio Taccone

18:45–19:00 **Organ donation within the Prague OHCA RCT**

Jana Smalcova

19:00–19:15 **Organ retrieval after ECPR - current status**

Lionel Lamhaut

19:15–19:30 **Round table discussion**

All

19:30 **Welcome reception**

Friday October 20 – MAIN CONGRESS

DAY 2 – MAIN HALL

8:00–8:45 **Abiomed symposium** *Roberto Lorusso*

- 8:00–8:05 **Intro**
- 8:05–8:15 **Timing of active unloading in CS patient on VA ECMO**
Dirk Westermann
- 8:15–8:25 **Left ventricular unloading and the role of ECpella**
Jan Belohlavek
- 8:25–8:40 **Discussion**
- 8:40–8:45 **Closing**

9:00–10:00 **Borders between cardiogenic shock and cardiac arrest** *Jan Belohlavek, Petr Ostadal*

- 9:00–9:15 **Cardiogenic shock definition revisited**
Sern Lim
- 9:15–9:30 **Cardiac arrest patients should be included in cardiogenic shock studies**
Henrik Schmidt
- 9:30–9:45 **Cardiac arrest patients should be excluded from cardiogenic shock studies**
Petr Ostadal
- 9:45–10:00 **Round table discussion**
All

10:00–10:30 **Coffee break**

10:30–12:00 **Imaging in ECPR** *Stephan Katzenschlager, Martin Balik*

- 10:30–10:50 **Prehospital resuscitative TEE during OHCA**
Stephan Katzenschlager
- 10:50–11:10 **Challenges in computed tomography on ECMO**
Florian Ettl
- 11:10–11:30 **FAST protocol in ECPR/emergency ECMO**
Martin Balik

- 11:30–11:50 **TTE is the best hemodynamic monitor in ECPR**
Christiaan Meuwese
- 11:50–12:00 **Round table discussion**
All

12:00–13:00 **Getinge symposium**

ECPR is becoming the state of the art intervention: a pro/con debate

Demetris Yannopoulos, Fabio Taccone, Jan Belohlavek, Thomas Müller

12:00–13:30 **Lunch**

13:30–14:40 **Pre ECPR management I** *Georg Trummer, Lionel Lamhaut*

- 13:30–13:50 **Place for temperature control**
Kevin Roedl
- 13:50–14:10 **ETCO₂ as a prognostic marker**
Markus Skrifvars
- 14:10–14:30 **Ventilation pre- and during ECPR**
Ingrid Anna Maria Magnet
- 14:30–14:40 **Round table discussion**
All

14:40–15:40 **Pre ECPR management II** *Thomas Müller, Jan Belohlavek*

- 14:40–14:55 **Early alert to cardiac center**
Jan Vitek
- 14:55–15:10 **Different logistic and different distances**
Dinis Reis Miranda
- 15:10–15:25 **Prague ECPR initiative**
Jan Belohlavek
- 15:25–15:40 **Round table discussion**
All
- 15:40–16:15 **Coffee break**

16:15–17:45 Post ECPR management
Christophe Vandenbriele, Henrik Schmidt

16:15–16:35 **First four hours after cannulation**
Zack Shinar

16:35–16:55 **(Anti)coagulation**
Christophe Vandenbriele

16:55–17:15 **May Box trial results apply also for refractory OHCA/ECPR?**
Henrik Schmidt

17:15–17:35 **Focus on improved patient management**
Katerina Rusinova

17:35–17:45 **Round table discussion**
All

18:00 Closing remarks
Jan Belohlavek, Demetris Yannopoulos, Marcel C.G. van de Poll

DAY 2 – SMALL HALL

8:00–8:30 CARL. Breakfast Symposium

CARL. Evidence - Improving patient care by increasing data availability
Zack Shinar, Daniel Rob

8:00–8:05 **CARL. Now – A snapshot from first clinical results and patient cases**
Georg Trummer

8:05–8:15 **CARL. Then – Lessons learned from the first CARL multi-center study**
Jan-Steffen Pooth

8:15–8:25 **CARL. Learning Curve – Data acquisition, analysis and evaluation**
Eike Tigges

8:25–8:30 **Discussion Round**

8:30–10:00 Pediatric ECPR - I
Ajay Desai, Ann-Marie Guerguerian

8:30–8:45 **Pre - ECPR management**
Dilek Karacanoglu

8:45–9:00 **ECPR in children is different to adults?**
Timothy Thiruchelvam

9:00–9:15 **Paediatric ECPR - Epinephrine dosing strategies**
Sylvia Belda

9:15–9:30 **Post ECPR management**
Ann-Marie Guerguerian

9:30–9:45 **Pediatric ECPR research**
Jimena del Castillo

9:45–10:00 **Perfusionist perspectives in paediatric ECPR**
Robert Novak

10:00–10:30 **Coffee and Round Table Discussion - All**
Moderator: Dr Mirjana Cvetkovic

10:00–10:30 **Coffee break**

10:30–12:00 Pediatric ECPR - II
Timothy Thiruchelvam, Jimena del Castillo

10:30–10:45 **EuroELSO Pediatric ECPR initiative**
Ajay Desai

10:45–11:00 **Educating ECPR Team**
Mirjana Cvetkovic

11:00–11:15 **Cannulation strategies for paediatric ECPR**
Rudolf Poruban

11:15–11:30 **Neuroprognostication and outcomes in pediatric ECPR**
Ann-Marie Guerguerian

11:30–11:45 **ECMO nurse perspectives in paediatric ECPR**
Giorgia Borrelli

11:45–12:00 **Round table discussion**
Moderator: Ann-Marie Guerguerian

12:00–13:00 ECPR cannulation curriculum*Marko Noc**Lunch Session supported by Medtronic*12:00–12:15 **Introduction***Marko Noc*12:15–12:45 **Cannulation of MCS – A to Z***Daniel Rob*12:45–13:00 **Discussion**12:00–13:30 **Lunch****13:30–14:40 Simulation in ECPR***Michael Neidlin, Mikulas Mlcek*13:30–13:50 **Why is computer simulation best?***Michael Neidlin/Dirk Donker*13:50–14:10 **Animal simulation***Mikulas Mlcek*14:10–14:30 **ECMO twin concept***Michael Neidlin*14:30–14:40 **Round table discussion***All***14:40–15:40 New technologies in ECPR***Thomas Müller, Roberto Lorusso*14:40–14:55 **Resuscitec – Carl system – The next level of ECPR ?***Georg Trummer*14:55–15:10 **Eurosets – Colibri system – small and nice***Mirko Belliato*15:10–15:25 **Abiomed – Escalation to mid/long term device***Roberto Lorusso*15:25–15:40 **Getinge – why change what works well***Thomas Müller*15:40–16:15 **Coffee break****16:15–17:45 Neuroprognostication and follow-up***Tamas Alexy, Markus Skrifvars*16:15–16:35 **CT of the brain to predict outcome in ECPR***Lukas Lambert*16:35–16:55 **Biomarkers of the brain injury in ECPR***Jana Smalcova*16:55–17:15 **EEG in ECPR – how to perform***Tomas Boucek*17:15–17:35 **Long term follow-up in Minneapolis***Tamas Alexy*17:35–17:45 **Round table discussion***All***DAY 2 – DEBATE ROOM****8:30–10:00 ECPR implementation
Zack Shinar, Alex Supady**8:30–8:50 **Delphi consensus in ECPR training***Mark Dennis*8:50–9:10 **Delphi consensus in ECPR***Alexander Supady*9:10–9:30 **Integration of CPR ALS with ECPR***Georg Trummer*9:30–9:50 **Cannulation/admission team readiness***Daniel Rob*9:50–10:00 **Round table discussion***All*10:00–10:30 **Coffee break**

10:30–12:00 Technology and Innovation related to ECPR

Michael Neidlin, Zdenka Fingrova

Hospital, ER, ICU design arrangements to allow ECPR

Martin Oliver Schmiady

Is supermodern environment suitable for ECPR?

A Taiwan experience

Shu-Hung Kuo

Remote monitoring in patients after cardiac arrest

Zdenka Fingrova

13:30–14:40 Cost-effectiveness of ECPR

Fabio Silvio Taccone, Mark Dennis

13:30–13:50 Cost effectivity in Holland

Annemieke Oude Lansink-Hartgring

13:50–14:10 Cost effectivity in Australia

Mark Dennis

14:10–14:30 The Minnesota system considered to be lifesaving

Charles Bruen

14:30–14:40 Round table discussion

All

14:40–15:40 Nursing issues in ECPR

Kevin Rixmann, Justyna Swol

14:40–15:00 ECPR from the view of ICU nurses

Yasmina Overstreet, Martina Rezlerová, Markéta Hubatová

15:00–15:20 ICU challenges and management

Kevin Rixmann

15:20–15:40 How I train my nurses

Justyna Swol

15:40–16:00 Round table discussion

All

15:40–16:15 Coffee Break

16:15–17:45 ECPR in special circumstances

Georg Trummer, Dinis Reis Miranda

16:15–16:35 ECPR for a pregnant woman

Alice Hutin

16:35–16:55 ECPR in diabetic ketoacidosis

Marc Maybauer

16:55–17:15 Pulmonary embolism related r OHCA and ECPR

Jan Pudil

17:15–17:35 ECPR in cardiac surgery

Georg Trummer

17:35–17:45 Round table discussion

All

PLATINUM PARTNER



GETINGE

PASSION FOR LIFE

GOLD PARTNER



SILVER PARTNERS



CARL.



PARTNERS

Medtronic

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Bracco Imaging Czech s.r.o.

Prague Medical s.r.o.

VAMEX, spol. s r.o.