



ECPR

PRAGUE SCHOOL

OCTOBER 24–26, 2024

Czech Republic

Cubex Centrum Prague, Na Strži 2097/63

PRELIMINARY PROGRAMME

WWW.ECPRPRAGUE.COM

Thursday October 24 – Precongress workshops

▶ DIFFERENT VENUE!

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

9:00–16:30 Hands-on experimental ECPR Workshop

Jan Belohlavek, Mikulas Mlcek, Anna Valerianova

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
eCPR Post-ROSC and weaning
Unloading

16:00–16:30 Wrap-Up and Adjourn

▶ MAIN VANUE

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

Main hall

11:00–12:30 ECPR for beginners – part 1

*Daniel Rob, Ingrid Magnet, Milan Dusik, Mirko Belliato,
Andrea Montisci, Mark Dennis*

Basics, rationale for ECPR, terminology

Ingrid Magnet, Michael Poppe

**ECPR systems (pre/in-hospital) and pre-ECPR care
(transport, mechanical CPR, airway management etc.)**

Ingrid Magnet, Michael Poppe

Patient selection and timing

Milan Dusik

Cannulation and decannulation

Daniel Rob

12:30–13:30 Mini lunch break

13:30 – 15:00 ECPR for beginners – part 2

*Ingrid Magnet, Milan Dusik, Jan Pudil, Mirko Belliato,
Andrea Montisci, Mark Dennis*

Investigations (cardiac – CAG, non-cardiac – CT)

Jan Pudil

VA ECMO physiology in ECPR

(start, specifics, unloading, weaning)

Mirko Belliato/Andrea Montisci

ICU management of ECPR

Milan Dusik

Neurological assessment

Mark Dennis/Natalie Kruit

Complications management

Jan Pudil

15:00–15:30 Coffee Break

15:30–17:00 The journey of having an excellent ECPR/shock center

Alex Rosenberg

A logistics of onboarding a new ECPR center

Sofia Da Costa Pinto

ECPR interactive quiz/simulation

Jan Pudil, Daniel Rob, Frantisek Mlejnsky

17:00–17:30 Coffee Break

17:30 – 19:00 „Championship” Session

Jan Belohlavek, Jason Bartos, Jacqueline Tamis-Holland

17:30–17:40 **Trinec**

Radim Spacek

17:40–17:50 **Vienna**

Michael Poppe

17:50–18:00 **London**

Sumera Farooq

18:00–18:10 **New Jersey**

Jesse Liou

18:10–18:20 **Ghent**

Harlinde Peperstraete

18:20–18:30 **Minneapolis**

Amy Cryer

18:30–18:40 **London**

Sofia Tierny

Training room 1

- 11:00–12:30** **ECMO Training Village Zurich2024 – edition 1**
Martin Oliver Schmiady, Tobias Aigner
- 12:30–13:30** **Mini lunch break**
- 13:30–15:00** **ECMO Training Village Zurich 2024 – edition 2**
Martin Oliver Schmiady, Tobias Aigner
- 15:00–15:30** **Coffee break**
- 15:30–17:00** **Barcelona SIM Center Simulation – modul 1**
Jordi Riera, María Martínez, Eduard Argudo
- 17:00–17:30** **Coffee break**
- 17:30–19:00** **Barcelona SIM Center Simulation – modul 2**
Jordi Riera, María Martínez, Eduard Argudo

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

- 15:30–17:00** **Getinge Training Session
Enhance you ECMO skills**
Jan Belohlavek, Ingrid Magnet
- 17:00–17:30** **Coffee break**
- 17:30–19:00** **Getinge Training Session
Enhance you ECMO skills**
Alex Rosenberg, Jan Pudil

Training room 4

- 11:00–12:30** **CARL.SAM. Next level ECPR training.**
Alex Supady / Jan-Steffen Pooth, Freiburg

Training room 5

- 13:30–15:00** **Abiomed Hands-On WS
ECpella: Active Unloading via Forward Flow**
Albena Tepavicharova, Daniel Marciniak

Friday October 25 – MAIN CONGRESS

DAY 1 - MAIN HALL

11:00–11:05 Welcome notes

Jan Belohlavek

11:05–12:30 Main session

Laurie J. Morrison, Jacqueline Tamis-Holland, Jason Bartos, Jan Belohlavek

11:05 A year in review – ECPR

Jan Belohlavek

11:25 What ECPR implementation means for the community

Laurie J. Morrison

11:45 AHA resuscitation guidelines update 2023

Jason Bartos

12:00 ECPR long term outcomes – Prague OHCA study results

Daniel Rob

12:15 Round table discussion

All

12:30–13:30 Mini lunch break

13:30–15:30 Challenges in ECPR

Elizabeth Wilcox, Tamas Alexy, Joshua Reynolds

13:30 Outcomes in resuscitation studies revisited

Elizabeth Wilcox

13:50 Research gaps in ECPR – how many ways to go...

Laurie J. Morrison

14:10 Gender and racial disparities to establish an ECPR programme

Jacqueline Tamis-Holland

14:30 A dynamic probability of survival in ECPR vs. CCPR

Jan Belohlavek

14:50 How long to wait before ECPR implementation is justified

Joshua Reynolds

15:10 Discussion

All

15:30–17:00 Cardiogenic shock and cardiac arrest – a continuum?

Petr Ostadal, Roberto Lorusso, Sern Lim

15:30 Danger shock trial – focus on cardiac arrest

Carsten Skurk

15:45 A continuum of cardiogenic shock to refractory cardiac arrest

Sern Lim

16:00 VA ECMO in cardiogenic shock – current status

Petr Ostadal

16:15 Escalation to mid- and long-term support in ECPR

Federico Pappalardo

16:30 How establishing ECPR service may help cardiogenic shock care

Alex Rosenberg

16:40 Discussion

All

17:00–17:30 Coffee break

17:30–18:30 Developing ECPR systems around the world

Carsten Skurk, Daniel Rob, Laurie J. Morrison

17:30 Challenges in establishing an ECPR programme in New York City

Jacqueline Tamis-Holland

17:45 ECPR for OHCA in Germany

Thomas Jasny

18:00 Combining ECPR and organ donation in Spain

Eduard Argudo

18:15 Discussion

All

18:30–19:30 Organs involvement in prolonged CPR/ECPR

Huda Alfoudri, Stepan Havranek, Alex Rosenberg

18:30 Ischemia reperfusion injury in ECPR

Georg Trummer

18:45 Coagulation system – an organ affected by ECPR?

Christophe Vandenbrielle

19:00 Heart rhythms and its relationship to outcome in ECPR

Stepan Havranek

19:15 Discussion

All

19:30 Welcome reception

Saturday October 26 – MAIN CONGRESS

DAY 2 – MAIN HALL

8:00–8:55 Abiomed Breakfast Symposium: **DanGer Shock Trial – how to manage CGS patients to reduce complications**
Carsten Skurk, Federico Pappalardo, Sascha Ott

Current situation and foundations on CGS management
Carsten Skurk

What do we learn from DanGer and how to adapt in the ICU
Federico Pappalardo

Escalation therapy when and how
Sascha Ott

9:00–10:30 **ECPR is considered to be a state-of-the-art intervention**
Daniel Rob, Jacqueline Tamis-Holland, Jason Bartos

9:00 **Yes, no doubt**
Tommaso Scquizzato

9:20 **Con, ECPR needs more evidence**
Sascha Ott

9:40 **Rebuttal á 5 mins**
Tommaso Scquizzato, Sascha Ott

9:50 **What is the true**
Ingrid Magnet

10:10 **Discussion**
All

10:30–11:00 **Coffee break**

11:00–12:30 **ECPR research scrutinized**
Laurie J. Morrison, Marcel van de Poll, Tom Aufderheide

11:00 **ELSO registry studies for ECPR exploration**
Roberto Lorusso

11:15 **Biomarkers for prognostication after ECPR**
Tomas Drabek

11:30 **Bilirubin as an outcome predictor in ECPR**
Jan Pudil

11:45 **Meta-analyses of recent RCTS on ECPR – what do they tell?**
Marcel Van de Poll

12:00 **Bayesian metaanalysis of ECPR randomized trials**
Sam Heuts

12:15 **Discussion**
All

12:30–14:00 **Getinge Lunch Symposium: From Arrest to the ICU – Best Practices from Two High-volume Centers**
Moderator: Jan Belohlavek, Jason Bartos and Tamas Alexy (University of Minnesota), Thomas Müller and Dirk Lunz (Regensburg University)

14:00–15:30 **ECPR protocols and methodology**
Stephan Katzenschlager, Tomas Drabek, Jan Pudil

14:00 **A standardized anticoagulation protocol during the post-cannulation period is necessary in ECPR**
Christophe Vandenbriele

14:15 **Imaging in ECPR**
Stephan Katzenschlager

14:30 **Post ECPR protocol**
Mark Dennis

14:45 **Neuroprognostication and neuro recovery in ECPR patients**
Jason Bartos

15:00 **How study methodology can kill the intervention**
Christiaan Meuwese

15:10 **Discussion**
All

15:30–16:30 **Cost benefit and ethics in ECPR**
Tommaso Scquizzato, Tharusan Thevathasan, Ingrid Magnet

15:30 **Cost-benefit of ECPR**
Christiaan Meuwese

15:45 **Ethics in ECPR research.**
Marcel Van de Poll

16:00 **Can ECPR be offered to all? Vienna experience**
Michael Poppe

16:15 **Discussion**
All

16:30–17:00 **Coffee break**

17:00–18:30 MCS challenges in cardiogenic shock and cardiac arrest

Eike Tigges, Jan Belohlavek, Christiaan Meuwese

- 17:00 **Impella is indicated for cardiogenic shock. Howgh!**
Tharusan Thevathasan
- 17:20 **VA ECMO in shock, if used, should be unloaded**
Eike Tigges
- 17:40 **Physiology of ECPELLA and its role in ECPR**
Andrea Montisci
- 18:00 **Protected CABG – a rationale for a new concept**
Roberto Lorusso
- 18:20 **Discussion**
All

18:30–19:30 Importance of Delphi protocols in ECPR

Natalie Kruit, Georg Trummer, Tom Aufderheide

- 18:30 **What is Delphi**
Mark Dennis
- 18:35 **Expert consensus on training and accreditation for ECPR**
Natalie Kruit
- 18:55 **Delphi protocol for postresuscitation period in ECPR**
Alex Supady
- 19:15 **Discussion**
All
- 20:00 Closing remarks**
Jan Belohlavek

Saturday October 26 – MAIN CONGRESS

DAY 2 – SMALL HALL

8:00–8:55 **CARL. Breakfast Symposium:
CARL. Targeted ECPR in clinical Practice**
Alex Rosenberg, (London) & Eike Tigges, (Hamburg)

**Servus CARL. The journey of CARL. in Vienna:
In-hospital experiences.**

Michael Poppe, Ingrid Magnet (Vienna)

**Hej CARL. Establishing an interhospital ECPR
program.**

Pär Forsman (Stockholm)

**Ahoj CARL. Early neuroprognostication on CARL
and how to overcome Technical challenges.**

Jan Belohlavek, Tomas Boucek (Prague)

9:00–10:30 Paediatric session 1

Aparna Hoskote, Ajay Desai

- 9:00 **Out of hospital cardiac arrest in paediatrics**
Robert Jan Houmes
- 9:15 **Cannulating intensivist**
Andrea Moscatelli
- 9:30 **Candidacy in ECPR**
Uri Pollak
- 9:45 **Role of ECMO specialist in ECPR programme**
ECMO spec M.Van Bommel, M. Boon
- 10:00 **Hypothermia in paediatric ECPR from preclinical to
clinical evidence**
Alexandra Marquez
- 10:15 **Discussion**
All
- 10:30–11:00 Coffee break**

11:00 – 12:30 Paediatric session 2*Mirjana Cvetkovic, Chris Harvey, Robert Novak*

- 11:00 **ECPR in extreme cases**
Malaika Mendonca
- 11:15 **Cannulation Strategies for OOH peri-arrest cases**
Chris Harvey
- 11:30 **Neuro-outcomes and prognostication**
Aparna Hoskote
- 11:45 **Quality of Life in Paediatric ECPR Survivors**
Jennifer B. Brandt
- 12:00 **ECPR in the warzone**
Stepan Maruniak
- 12:15 **Discussion**
All

**12:30–14:00 Cardion Lunch Symposium:
CARL. Therapy and ECPR***Roberto Lorusso, Jason Bartos***ECPR Timing and Cannulation: When Speed is Critical***Daniel Rob***CARL: Physiologic Concept in ECPR and Latest Results from a Multicenter, Prospective Observational Study***George Trummer***14:00–15:00 Paediatric session 3***Andrea Moscatelli, Mark Todd, Malaika Mendonca*

- 14:00 **EuroELSO Paediatric ECPR Survey Results followed by RTD**
Ajay Desai
- 14:15 **Organizing ECPR programme – do you have it?**
Sylvia Belda
- 14:30 **The Role of perfusionists during ECPR**
Robert Novak
- 14:45 **ECMO specialist care and family considerations during ECPR**
Mark Todd

15:00–16:30 Organization of ECPR programmes*Tamas Alexy, Michael Poppe, Wiktor Kuliczkowski*

- 15:00 **Design and Implementation of the ARREST Trial**
Tom Aufderheide
- 15:15 **Going beyond the startup, expanding an e-CPR program**
Kevin Rixmann
- 15:30 **How to assure a favorable long-term outcome**
Tamas Alexy
- 15:45 **Qatar OHCA-eCPR Program**
Huda Alfoudri
- 16:00 **Polish cardiogenic shock and cardiac arrest initiative...**
Wiktor Kuliczkowski
- 16:15 **Discussion**
All

16:30–17:00 Coffee break**17:00 – 18:30 CPR/ECPR in special circumstances***Alex Caffentzis, Gabriel Putzer, Kevin Rixman*

- 17:00 **CPR in pregnancy - 2 humans to save**
Huda Alfoudri
- 17:20 **Hypothermic ECPR**
Gabriel Putzer
- 17:40 **ECPR in pulmonary embolism**
Jan Pudil
- 18:00 **ECPR in intoxications**
Justyna Swol
- 18:20 **Discussion**
All
- 18:30 – 19:30 Oral abstracts session**
Aparna Hoskote, Ajai Desay, Mirko Belliato
- 18:30 **ECMO onSite: a prehospital eCPR program for the Pavia Province and a simulation of its potentiality**
Enrico Contri

- 18:40 **Extracorporeal cardiopulmonary resuscitation for out-of-hospital cardiac arrest – outcome by initial rhythm**
Piotr Foszcz
- 18:50 **Organ donation after cardiac arrest: results of a coordinated ECPR and uncontrolled donation after circulatory death (uDCD) program**
María Martínez
- 19:00 **Acute neurological complications (ANC) and outcomes in children who received extracorporeal cardiopulmonary resuscitation (ECPR) – Report from a European quaternary cardiac centre**
Tania Oberoi

10:30–11:00 Moderated posters – A

Chairs: Ajay Desai, Mirjana Cvetkovic

Effect of deep hypothermia on short-term neurological outcomes in infants with prolonged E-CPR

Xabier Freire-Gómez

E-CPR in pediatric ECMO transport

Xabier Freire-Gómez

Functional status and medium-term neurodevelopmental outcomes in neonates and infants after surviving extracorporeal cardiopulmonary resuscitation (ECPR)

Amy Chan-Dominy

Medium term Neurofunctional Outcomes from parent-reported PEDI-CAT in Paediatric Survivors of Extracorporeal Cardiopulmonary Resuscitation

Amy Chan-Dominy

Measuring the change in PaCO₂ in paediatric patients following initiation of ECPR

Alison Brady

16:30–17:00 Moderated posters – B

Chairs: Aparna Hoskote, Daniel Rob

Influence of strict selection criteria on survival with good neurological outcome after ECPR

María Martínez

Perioperative Use of Enoxaparin as an Alternative Anticoagulation Strategy for ECMO in Lung Transplantation

Jaromír Vajter

Cannulation strategies in eCPR for infants – a case discussion and literature review

Sean Blackall

PLATINUM PARTNERS



GOLD PARTNER



SILVER PARTNERS



PARTNERS



Abbott Laboratories
Bracco Imaging Czech s.r.o.
Medtronic Czechia s.r.o.
PROMEDICA PRAHA GROUP, a.s.

EXHIBITORS



VENAMA s.r.o.