



Heidelberg University Hospital
Prehospital eCPR Workshop
29th October 2026 16:00-17:30 & 17:30-19:00
Limited capacity - preregistration required

Workshop Overview

Experience hands-on training in prehospital extracorporeal cardiopulmonary resuscitation (eCPR) for patients with out-of-hospital cardiac arrest (OHCA).

Working under realistic, non-ideal field conditions, participants will practise ECMO cannulation while integrating near-infrared spectroscopy (NIRS), transoesophageal echocardiography (TEE), and effective collaboration with emergency medical services (EMS) personnel.

What to Expect During the Workshop

- Hands-on Cannulation: Practise eCPR cannulation using two different simulators.
- TEE-Guided Procedures: Use TEE to support cannulation, optimise cannula positioning, and assess CPR quality.
- Realistic Prehospital Scenarios: Perform cannulation under the challenging and non-ideal conditions encountered in the prehospital environment.
- Integrated Teamwork: Coordinate the eCPR workflow with EMS personnel, from scene management and patient preparation to cannulation and ongoing resuscitation.

Learning Outcomes

- Apply a structured approach to scene management during prehospital eCPR
- Perform ECMO cannulation under realistic prehospital conditions
- Use TEE to guide cannulation and evaluate CPR quality
- Integrate NIRS into patient monitoring and clinical decision-making
- Improve teamwork and coordination with EMS personnel
- Strengthen communication in a challenging, high-pressure environment

Presenters

Dr. Stephan Katzenschlager, Dr. Othmar Kofler, Dr. Frank Weilbacher, Heimo Adam, Dr. Philipp Schulz
Heidelberg Medical Intervention Car Team



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