

2023 APSA ANNUAL MEETING

ECMO COURSE

TUESDAY, MAY 9, 2023

2:00 PM – 6:00 PM

Come a day early to take advantage of this hands-on ECMO simulation course.



APSA
American Pediatric
Surgical Association
Saving Lifetimes

Light
snacks and
beverages
provided

Course Chair: Laura Boomer, MD

CME: 4 CME Credits

Max Participants: 42

Cost: Attending \$450 | Trainee/Student \$350

TARGET AUDIENCE

Pediatric surgical trainees, critical care trainees and any members with the desire to further their skills and knowledge in the care of patients needing ECMO support.

LEARNING OBJECTIVES

As a result of participating in this activity, attendees will be able to:

- Discuss principles and management strategies for the successful application of venovenous (VV), venoarterial (VA) and hybrid ECMO in critically ill neonates and children.
- Demonstrate techniques required for VV, VA and hybrid cannulation.
- Develop a foundational understanding of ECMO circuit design and construction, including bridge building, and use this apply this knowledge towards successful “troubleshooting” of circuit related complications.
- Identify indications and contraindications for ECPR.

COURSE DESCRIPTION

This course is a multi-station course with a combination of hands-on training and small case based discussions. Participants will, after a brief introduction, rotate through a series of stations with expert faculty to take them through the scenarios and skills stations. The course will culminate with a large group simulation to review and integrate course learning objectives.

BROAD CURRICULUM / TOPIC THEMES

- Indications and Contraindications for cannulation/decannulation, Candidacy for ECMO
- Cannulation strategies: Modes, Sites, Technical Aspects of Cannulation and Decannulation)
- Understanding and Troubleshooting the Circuit
- Emergencies on ECMO and ECPR

STRUCTURE

Simulation and Cas-based/small group discussions with one large conclusion station.

Intro: 10 min

Stations: 150 min (6 stations w/7 participants/station x 25min)

Mega-station/Conclusion: 60 min

Faculty:

Laura Boomer, MD *Course Director*
Adam Vogel, MD *Course Co-Director*
Alejandro Garcia, MD
Brian Gray, MD
Juan Gurria, MD

Allison Linden, MD
Dimitra Lotakis, MD
Julie Monteagudo, MD
Howard Pryor, MD
Mark Ryan, MD

Sabina Siddiqui, MD
Justin Sobrino, MD
Brianna Spencer, MD
Keith Thatch, MD
Robert Vandewalle, MD