

The ECMO Program consists of rotations between Didactic lectures and Hands-on stations. The Hands-on stations consist of simulated manikins and live tissue. The program is designed so each participant will experience all stations and lectures.

Tuesday, April 10, 2018

7:00 a.m. Registration and Breakfast
7:30 Opening Remarks
7:45 **Introduction to Adult ECMO Physiology**
8:15 **Introduction to ECMO Circuits & Devices**
8:45 Break
9:00 **Simultaneous Sessions:**

Lectures:

- VV ECMO Indications & Patient Selection
- Hemodynamic Effects of VV ECMO
- Utility of Ultrasound with ECMO

Simulations:

- Simulation 1
- Simulation 2
- Simulation 3

11:30 Lunch and Cannulation Session

1:10 p.m. **Simultaneous Sessions:**

Lectures:

- Mechanical Ventilation on VV ECMO
- Pharmaceutical Considerations on ECMO
- Rheology and Oxygen Delivery on VV ECMO
- Bleeding, Thrombosis, & Hemolysis

Simulations:

- Simulation 4
- Simulation 5
- Simulation 6

4:25 **Review and Case Presentation**

4:45 **Adjourn**

Wednesday, April 11, 2018

7:00 a.m. Breakfast
7:25 **VA ECMO Overview**
8:00 **Simultaneous Sessions:**

Lectures:

- Regional Perfusion and Oxygen Delivery on VA ECMO
- Bridging, Weaning, Decannulation
- Acute Complications of ECMO
- Post-Decannulation Management

Simulations:

- Simulation 7
- Simulation 8
- Simulation 9

11:15 **Lunch and Introduction to ECMO Lab**

12:45 p.m. **Simultaneous Sessions:**

Lectures:

- ECMO Referral and Transport
- ECMO Team Structure
- ECPR
- Ethics
- Value - Long Term Outcomes and Economics

Laboratory:

- Laboratory 1
- Laboratory 2
- Laboratory 3

5:40 **Review, Questions & Answers**

6:00 **Adjourn**