



STS/ELSO ECMO Management Symposium

July 13-15, 2018
Tampa, FL

Program Directors

D. Michael McMullan, Seattle, WA
Jonathan W. Haft, Ann Arbor, MI

Day 1

Friday, July 13 (5:00 p.m. – 7:50 p.m.)

- 5:00 p.m. – 5:45 p.m. **Dinner**
- 5:15 p.m. – 5:45 p.m. Welcome/Introduction to Simulation
- 6:00 p.m. – 7:50 p.m. Breakout Sessions

Group A: Didactic Sessions

- 6:00 p.m. – 6:30 p.m. **ECMO Circuitry**
Jonathan W. Haft, Ann Arbor, MI
- 6:30 p.m. – 7:00 p.m. **ECMO Physiology**
D. Michael McMullan, Seattle, WA
- 7:00 p.m. – 7:30 p.m. **Anticoagulation**
Steven A. Conrad, Shreveport, LA
- 7:30 p.m. – 7:50 p.m. **Case Discussions**

Group B: Simulation Scenarios

Day 2

Saturday, July 14 (7:30 a.m. – 5:30 p.m.)

- 7:30 a.m. – 8:15 a.m. **BREAKFAST**
- 8:30 a.m. – 10:20 a.m. Breakout Sessions

Group B: Didactic Sessions

- 8:30 a.m. – 9:00 a.m. **ECMO Circuitry**
Jonathan W. Haft, Ann Arbor, MI
- 9:00 a.m. – 9:30 a.m. **ECMO Physiology**
D. Michael McMullan, Seattle, WA
- 9:30 a.m. – 10:00 a.m. **Anticoagulation**
Steven A. Conrad, Shreveport, LA
- 10:00 a.m. – 10:20 a.m. **Case Discussions**

Group A: Simulation Scenarios

10:20 a.m. – 10:40 a.m.

BREAK

10:40 a.m. – 12:30 p.m.

Breakout Sessions – Cardiovascular Concentration

Group A: Didactic Sessions

10:40 a.m. – 11:10 a.m.

Patient Selection – Cardiac ECMO

Francisco A. Arabia, Los Angeles, CA

11:10 a.m. – 11:40 a.m.

Venoarterial ECMO Cannulation

David A. D'Alessandro, Boston, MA

11:40 a.m. – 12:10 p.m.

Venoarterial ECMO Patient Management

Ashok N. Babu, Nashville, TN

12:10 p.m. – 12:30 p.m.

Case Discussions

Group B: Simulation Scenarios

12:30 p.m. – 1:30 p.m.

LUNCH

1:30 p.m. – 3:20 p.m.

Breakout Sessions – Cardiovascular Concentration

Group A: Simulation Scenarios

Group B: Didactic Sessions

1:30 p.m. – 2:00 p.m.

Patient Selection – Cardiac ECMO

Francisco A. Arabia, Los Angeles, CA

2:00 p.m. – 2:30 p.m.

Venoarterial ECMO Cannulation

David A. D'Alessandro, Boston, MA

2:30 p.m. – 3:00 p.m.

Venoarterial ECMO Patient Management

Ashok N. Babu, Nashville, TN

3:00 p.m. – 3:20 p.m.

Case Discussions

3:20 p.m. – 3:40 p.m.

BREAK

3:40 p.m. – 5:30 p.m.

Breakout Sessions – Respiratory Concentration

Group A: Didactic Sessions

3:40 p.m. – 4:10 p.m.

Patient Selection – Respiratory ECMO

Hitoshi Hirose, Philadelphia, PA

4:10 p.m. – 4:40 p.m.

Venovenous ECMO Cannulation

Christian A. Bermudez, Philadelphia, PA

4:40 p.m. – 5:10 p.m.

Venovenous ECMO Patient Management

Rakesh C. Arora, Winnipeg, Canada

5:10 p.m. – 5:30 p.m.

Case Discussions

Group B: Simulation Scenarios

Day 3

Sunday, July 15 (7:30 a.m. – 12:00 p.m.)

7:30 a.m. – 8:15 a.m.	BREAKFAST
8:30 a.m. – 10:20 a.m.	Breakout Sessions – Respiratory Concentration
	Group A: Simulation Scenarios
	Group B: Didactic Sessions
8:30 a.m. – 9:00 a.m.	Patient Selection – Respiratory ECMO <i>Hitoshi Hirose, Philadelphia, PA</i>
9:00 a.m. – 9:30 a.m.	Venovenous ECMO Cannulation <i>Christian A. Bermudez, Philadelphia, PA</i>
9:30 a.m. – 10:00 a.m.	Venovenous ECMO Patient Management <i>Rakesh C. Arora, Winnipeg, Canada</i>
10:00 a.m. – 10:20 a.m.	Case Discussions
10:20 a.m. – 10:40 a.m.	BREAK
10:40 a.m. – 10:55 a.m.	ECPR <i>D. Michael McMullan, Seattle, WA</i>
10:55 a.m. – 11:10 a.m.	ECMO Transport <i>D. Michael McMullan, Seattle, WA, and Jonathan W. Haft, Ann Arbor, MI</i>
11:10 a.m. – 11:25 a.m.	ECMO Program Management <i>Jonathan W. Haft, Ann Arbor, MI</i>
11:25 a.m. – 11:40 a.m.	ECMO Billing <i>Steven A. Conrad, Shreveport, LA</i>
11:40 a.m. – 12:00 p.m.	Q&A
12:00 p.m.	ADJOURNMENT

Simulation Scenarios Include:

- Introduction to Pumps with Hypovolemia, Cannula Position, Pressure Alarms
- Oxygenator Failure and Patient Bleeding
- Ventricular Fibrillation on Venoarterial ECMO
- VA ECMO—Circuit Management, Anticoagulation
- VV ECMO—Tamponade, VF on VV ECMO, Low PaO₂ Saturations