

Mayo Clinic's Current Concepts in Extracorporeal Life Support:
 Medical Management and High-Fidelity Cannulation Simulations
 Nov 29th – December 1st, 2023
 Mayo Clinic – Jacksonville, Florida

Wednesday, November 29, 2023	
Mayo Clinic Kinne Auditorium – Cannaday Building	
7:00 a.m.	Registration, Continental Breakfast & Exhibit Hall
7:20	Welcome & Course Highlights <i>Gregory Schears, M.D.</i>
7:30	ECMO History and Overview <i>Gregory Schears, M.D.</i>
ECMO Introduction	
8:00	Physiology and Evidence of VA & VV ECMO <i>Heidi Dalton, M.D.</i>
8:40	Essentials of Anticoagulation during ECMO <i>Troy Seelhammer, M.D.</i>
9:00	Avoiding the “Bloody Mess”: Transfusion and ECMO <i>Sanjay Chaudhary, M.B.B.S., M.D.</i>
9:30	Break & Exhibits
9:45	To Breathe or Not to Breathe? - Mechanical Ventilation on ECMO <i>J. Kyle Bohman, M.D.</i>
10:15	ECPR Rational/Trials <i>Pramod Guru, M.B.B.S., M.D.</i>
10:45	Cannulation Reassessment and Reconfiguration <i>Mauricio Villavicencio Theoduloz, M.D.</i>
11:15	The Human Factors of ECMO: Building High-Performance Teams <i>Ayan Sen, M.D.</i>
11:45	Lunch Break & Exhibits
Afternoon Simulations/Small Groups	
Simulation Center – Stabile Building	
Rotation #1 12:30 – 1:15	A. Selection <i>J. Kyle Bohman, M.D. / Michael Nemergut, M.D., Ph.D.</i>
Rotation #2 1:20 – 2:05	B. Hemostatic Management <i>Troy Seelhammer, M.D. / Heidi Dalton, M.D.</i>
Break 2:05 – 2:20	C. Wet/Wet Connection, Sterile Thrombus Removal, Cannula Securement <i>Gregory Schears, M.D. / Rachel Hannon, APRN / Tenzin Moenkyi, R.N. / Alexis Derk, C.C.P.</i>
Rotation #3 2:20 – 3:05	D. ECPR: Emergent Initiation, DPC, Approaches for Optimization, Disposition <i>Alex Finch, M.D. / Cory Alwardt, C.C.P. / Errin Kalvelage, R.R.T., L.R.T. / Pramod Guru, M.B.B.S., M.D.</i>
Rotation #4 3:10 – 3:55	
3:55 – 4:30 p.m.	Q&A & Debrief
4:30 p.m.	Adjourn

5:00 p.m. - Fellow Abstract Presentations and Welcome Reception at the Kinne Auditorium

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Thursday, November 30, 2023	
Mayo Clinic Kinne Auditorium – Cannaday Building	
ECMO Intermediate	
7:00 a.m.	Continental Breakfast & Exhibit Hall
7:30	New and Upcoming Technology on ECMO <i>Heidi Dalton, M.D.</i>
8:00	Application of Pharmacotherapy on ECMO <i>Patrick Wieruszewski, Pharm.D., R.Ph.</i>
8:30	Levers to Pull: Vasoactive Pharmacotherapy Optimization in ECMO <i>Erica Wittwer, M.D., Ph.D.</i>
9:00	Taming the Tiger: Sepsis, Multiorgan Failure, and More <i>Ayan Sen, M.D.</i>
9:30	Break & Exhibits
9:45	What About the Liver and Kidneys? – CRRT and MARS on ECMO <i>Nathan Peffley, M.D.</i>
10:15	Heart Failure: Physiology and Management <i>Parag Patel, M.D.</i>
10:45	Not Just Rescue – ECMO for Lung Transplant <i>Mathew Thomas, M.B.B.S., M.D.</i>
11:15	Play Nice – Mixed Mechanical Circulatory Support Devices & ECMO, ECPPELLA <i>Atta Behfar, M.D., Ph.D.</i>
11:45	Lunch Break & Exhibit Hall
Afternoon Simulations/Small Groups	
Simulation Center – Stabile Building	
Rotation #1 12:30 – 1:15	A. LV Venting Strategies: Who, What, When, & Where <i>Nathan Waldron, M.D. / Ricardo Diaz Milian, M.D. / James Neal, C.C.P.</i>
Rotation #2 1:20 – 2:05	B. Circuit Emergencies (Med/Surg) <i>Errin Kalvelage, R.R.T., L.R.T. / James Johnson, C.C.P. / Jill Zimmerman, R.N. / Pramod Guru, M.B.B.S., M.D. / Tenzin Moenkyi, R.N.</i>
Break 2:05 – 2:20	
Rotation #3 2:20 – 3:05	C. Hypoxia on VV ECMO <i>Sanjay Chaudhary, M.D. / Carson Welker, M.D. / Sean Kiley, M.D. / Alexis Derk, C.C.P.</i>
Rotation #4 3:10 – 3:55	D. Trial Off (with ECHO assessment) / ECMO Removal <i>Govind Panda, M.D. / Mauricio Villavicencio Theoduloz, M.D. / Thomas Brown, C.C.P.</i>
3:55 – 4:30 p.m.	Q&A & Debrief
4:30 p.m.	Adjourn