

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

<b>Wednesday, November 29, 2023</b>	
<b>Mayo Clinic Kinne Auditorium – Cannaday Building</b>	
7:00 a.m.	<b>Registration &amp; Exhibit Hall</b>
7:20	Welcome & Course Highlights <i>Gregory Schears, M.D.</i>
7:30	ECMO History and Overview <i>Gregory Schears, M.D.</i>
<b>ECMO Introduction</b>	
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	<b>Break &amp; Exhibits</b>
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	<b>Break &amp; Exhibits</b>
<b>Afternoon Simulations/Small Groups</b>	
<b>Simulation Center – Stabile Building</b>	
<b>Rotation #1</b> 12:30 – 1:15	A. Selection <i>J. Kyle Bohman, M.D. / Michael Nemergut, M.D., Ph.D.</i>
<b>Rotation #2</b> 1:20 – 2:05	B. Hemostatic Management <i>Troy Seelhammer, M.D. / Heidi Dalton, M.D.</i>
<b>Break</b> 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>
<b>Rotation #3</b> 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>
<b>Rotation #4</b> 3:10 – 3:55	
3:55 – 4:30 p.m.	Q&A & Debrief
4:30 p.m.	Adjourn

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<b>Thursday, November 30, 2023</b>	
<b>Mayo Clinic Kinne Auditorium – Cannaday Building</b>	
<b>ECMO Intermediate</b>	
7:15 a.m.	<b>Exhibit Hall</b>
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	<b>Break &amp; Exhibits</b>
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, EPELLA <i>Atta Behfar, M.D., Ph.D.</i>
11:45	<b>Break &amp; Exhibit Hall</b>
<b>Afternoon Simulations/Small Groups</b>	
<b>Simulation Center – Stabile Building</b>	
<b>Rotation #1</b> 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>
<b>Rotation #2</b> 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>
<b>Break</b> 2:05 – 2:20	
<b>Rotation #3</b> 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>
<b>Rotation #4</b> 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