

Mayo Clinic's Current Concepts in Extracorporeal Life Support:
 Medical Management and High-Fidelity Cannulation Simulations
 December 5-7, 2019

Thursday, December 5, 2019	
Ponte Vedra Inn and Club - Terrace A/B	
7:00 a.m.	Registration & Continental Breakfast
7:30	Welcome & Course Highlights <i>Gregory J. Schears, M.D.</i>
7:45	ECMO History and Overview <i>Gregory J. Schears, M.D.</i>
VV ECMO	
8:15	Physiology of VV ECMO <i>Pramod K. Guru, M.B.B.S., M.D.</i>
8:35	Selection/Evidence from Latest Trials on VV ECMO <i>J. Kyle Bohman, M.D.</i>
8:55	Essentials of Anticoagulation during ECMO <i>Troy G. Seelhammer, M.D.</i>
9:15	Cannulation for VV ECMO <i>Gabor Bagameri, M.D.</i>
9:35	Weaning Strategies for VV ECMO <i>Suraj M. Yalamuri, M.D.</i>
9:55	Break
VA ECMO	
10:10	Physiology of VA ECMO <i>J. Ross Renew, M.D.</i>
10:30	Selection/Evidence from Latest Trials on VA ECMO <i>J. Kyle Bohman, M.D.</i>
10:50	Cannulation for VA ECMO <i>Gabor Bagameri, M.D.</i>
11:10	Managing the Hemorrhaging Patient <i>Troy G. Seelhammer, M.D.</i>
11:30	Judging Readiness for Removal <i>Devang K. Sanghavi, M.B.B.S., M.D.</i>
11:50	How Does Echo Help in Weaning? <i>James A. Nelson, M.B.B.S.</i>
12:10 p.m.	Common Weaning Mistakes to Avoid <i>Gregory J. Schears, M.D.</i>
12:30	Lunch & Keynote Lecture – Out of Hospital ECPR <i>Melissa Brunsvold, M.D.</i>
Low Fidelity Simulations and Case Based Scenarios	
1:15 – 3:45	<ul style="list-style-type: none"> A. Circuit Emergencies: Cory M. Alwardt, C.C.P./Bhavesh Patel, M.D./Tammy P. Friedrich, M.S.N., R.N./Erica L. Beach, C.C.P. B. Hypoxia on VV ECMO: J. Kyle Bohman, M.D./Amanda M. Cornelius, C.C.P./Errin L. Kalvelage C. Heart Failure: J. Ross Renew, M.D. /James A. Nelson, M.B.B.S./Misty A. Radosevich, M.D. D. Respiratory Failure: Pramod K. Guru, M.B.B.S., M.D./Nathan D. Peffley, M.D./Rachel M. Hannon, APRN, M.S.N., R.N. E. Coagulation Management: Troy G. Seelhammer, M.D. /Devon O. Aganga, M.D. Maggie Zhao, Pharm.D., R.Ph. F. Ethics and Palliative Care: Devang K. Sanghavi, M.B.B.S., M.D./W. Brian Beam, M.D.
3:45 p.m.	Adjourn
4:00 - 5:30 p.m.	Networking and Skills Stations *Recommended for Individuals Registered for Saturday <ul style="list-style-type: none"> A. Cannulation: Suraj M. Yalamuri, M.D./Matthew Read, M.D. B. Ultrasound Station: Gregory J. Schears, M.D./Misty A. Radosevich, M.D. C. Wet/Wet Connection: Cory M. Alwardt, C.C.P./Rachel M. Hannon, APRN, M.S.N., R.N. D. Sterile Thrombus Removal: Erica L. Beach, C.C.P./Amanda M. Cornelius, C.C.P. E. Securing Cannula: Basar Sareyyupoglu, M.D./Gabor Bagameri, M.D. F. Know your Ps and Qs: Tammy P. Friedrich, M.S.N., R.N./Errin L. Kalvelage G. Coding the ECMO Patient: Bhavesh M. Patel, M.D./Nathan D. Peffley, M.D./W. Brian Beam, M.D. H. Pharmacotherapy & ECMO: Scott D. Nei, Pharm.D., R.Ph./Maggie Zhao, Pharm.D., R.Ph.

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Friday, December 6, 2019	
Ponte Vedra Inn and Club - Terrace A/B	
7:00 a.m.	Continental Breakfast with the Experts Join our Faculty for Breakfast to discuss hot topics in anticoagulation, selection/building a practice, echo, cannulation/weaning
ECPR	
8:15	Physiology of ECPR/Going On <i>Pramod K. Guru, M.B.B.S., M.D.</i>
8:35	Selection Considerations <i>J. Kyle Bohman, M.D.</i>
8:45	Evidence from Latest Trials on ECPR <i>Suraj M. Yalamuri, M.D.</i>
8:55	Cannulation Considerations <i>Basar Sareyyupoglu, M.D.</i>
9:15	Distal Perfusion Cannula <i>Patrick A. DeValeria M.D.</i>
9:30	VA ECMO for Lung Transplant <i>Archer K. Martin, M.D.</i>
9:50	Break
ECMO Potpourri	
10:05	What does the Circuit Eat? Drug Dosing Considerations on ECMO <i>Scott D. Nei, Pharm.D., R.Ph.</i>
10:25	Refractory Hypoxemia on VV ECMO <i>Devon O. Aganga, M.D.</i>
10:45	Harlequin Syndrome <i>Misty A. Radosevich, M.D.</i>
11:05	Transportation of the ECMO Patient <i>Erica L. Beach, C.C.P.</i>
11:25	HIT and ECMO <i>Maggie Zhao, Pharm.D., R.Ph.</i>
11:35	Salvage Therapy: Factor Products on ECMO <i>Maggie Zhao, Pharm.D., R.Ph.</i>
11:45	CRRT on ECMO <i>Nathan D. Peffley, M.D.</i>
12:05 p.m.	Dollars and Cents <i>J. Kyle Bohman, M.D.</i>
12:25	Lunch & Keynote Lecture – Battlefield ECMO <i>Matthew Read, M.D.</i>
Abstract Presentations and Q&A Stations	
1:15 – 2:45	A. E-Posters & Abstract Presentations: <i>Pramod K. Guru, M.B.B.S., M.D./Devang K. Sanghavi, M.B.B.S., M.D./Misty A. Radosevich, M.D.</i> B. LV Vents: <i>Gabor Bagameri, M.D./Nathan D. Peffley, M.D.</i> C. Bivalirudin for ECMO: <i>Maggie Zhao, Pharm.D., R.Ph./Troy G. Seelhammer, M.D./Scott Nei, Pharm.D., R.Ph.</i> D. ECPR Cannulation – How to get the team onboard: <i>Gregory J. Schears, M.D./J. Kyle Bohman, M.D.</i> E. Other Mechanical Support Devices and their role in ECMO: <i>Patrick A. DeValeria M.D./Parag Patel, M.D.</i> F. Pediatric ECMO: <i>Michael E. Nemerlut, M.D., Ph.D./Devon O. Aganga, M.D.</i> G. Ambulatory ECMO: <i>Tammy P. Friedrich, M.S.N., R.N./Si M. Pham, M.D./Rachel M. Hannon, APRN, M.S.N., R.N.</i>
2:45	Question and Answer Panel Discussion
3:45 p.m.	Adjourn

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Saturday, December 7, 2019 Hands-On Workshops (Limited Registration) Mayo Clinic Simulation Center	
7:30 a.m.	Continental Breakfast with the Experts Join our Faculty for breakfast to discuss DPC, integrate simulation at your center, to cath or not to cath, financial considerations/implications/billing, staffing controversies and bridging strategies
8:15	Introduction to the day <i>Gregory J. Schears, M.D.</i>
8:30	You're On! What's next? <i>Suraj M. Yalamuri, MD</i>
8:45	Expert ECPR Cannulation: Set the time to Beat! <i>Gabor Bagameri, M.D. and Melissa Brunsvold, M.D.</i>
Skill Stations and Low Fidelity Simulations <i>* Rotating Groups; All Attendees Participate in Every Session</i>	
Rotation #1 9:00 – 10:00	A. Cannulation Suraj M. Yalamuri, M.D./Matthew Read, M.D./Gabor Bagameri, M.D./Melissa Brunsvold, M.D. <i>Amanda M. Cornelius, C.C.P./Errin L. Kalvelage</i>
Rotation #2 10:15 – 11:15	B. VV ECMO Cannulation J. Kyle Bohman, M.D./Gregory J. Schears, M.D./ Devon O. Aganga, M.D. <i>Erica L. Beach, C.C.P./Cory M. Alwardt, C.C.P.</i>
Rotation #3 11:30 – 12:30	C. TEE/POCUS and Crisis Management TEE: James A. Nelson, M.B.B.S./J. Ross Renew, M.D./Misty A. Radosevich, M.D (POCUS) Crisis Management: Nathan D. Peffley, M.D./W. Brian Beam, M.D./ Pramod K. Guru, M.B.B.S., M.D.
12:30-1:15	Lunch with Q&A
High Fidelity Simulations <i>* Rotating Groups; All Attendees Participate in Every Session</i>	
Rotation #1 1:30 – 2:30	A. ECPR Simulations and Debrief Suraj M. Yalamuri, M.D./Gabor Bagameri, M.D. /Errin L. Kalvelage/Erica L. Beach, C.C.P.
Rotation #2 2:45 – 3:45	B. Circuit Reconfiguration Surgical: Bhavesh M. Patel, M.D./Basar Sareyyupoglu, M.D./Gregory J. Schears, M.D./J. Kyle Bohman, M.D. Medical: Devon O. Aganga, M.D./Nathan D. Peffley, M.D./Amanda M. Cornelius, C.C.P. <i>Cory M. Alwardt, C.C.P.</i>
Rotation #3 4:00 – 5:00	C. Emergent Decision Making W. Brian Beam, M.D./ Pramod K. Guru, M.B.B.S., M.D./Misty A. Radosevich, M.D /J. Ross Renew, M.D./ Tammy P. Friedrich, M.S.N.,R.N./James A. Nelson, M.B.B.S.
5:00	Debrief and Q&A
5:15 p.m.	Adjourn