



June 14, 2024

Dear Exhibitor,

On behalf of Mayo Clinic, Mayo School of Continuous Professional Development, and course directors, Gregory Schears, M.D., Pramod Guru, M.B.B.S., Troy Seelhammer, M.D. and Sanjay Chaudary, M.B.B.S., M.D. we hope you will consider a display opportunity at our **Current Concepts in Extracorporeal Life Support: Medical Management and High-Fidelity Cannulation Simulations** held **December 4-7, 2024** at Mayo Clinic Kinne Auditorium and Simulation Center, Jacksonville, FL. We expect around 75 medical providers. There will be limited traditional didactic presentations and a greater emphasis on interactive learning in small groups using accelerated scenarios around specific topics. Hands-on simulation will be used to expose the learner to a range of typical management issues and ECLS emergencies.

Display Fees are as follows: \$2,500 – Thursday-Saturday
No displaying will take place on Wednesday, December 4, 2024.

To maintain a clear separation of promotion from education, all exhibits will be held in a different room/location than where the general sessions are held. Exhibits are open from registration until the conclusion of the final lecture on the last day. The basic exhibit fee will include a 6' table with 2 chairs for a table top display (you will provide the table linen); the attendee list including name, degree, specialty, city, state to be distributed at the course; and an acknowledgement with signage and announcements during the course.

Mayo Clinic, an integrated, not-for-profit group practice, is committed to meeting its responsibility as a national medical education resource and is accredited by the Accreditation Council for Continuing Medical Education.

Our programs provide valuable information on unmet needs to the medical community. We sincerely appreciate your consideration and hope you will take the opportunity to join us for a truly unique educational program.

A handwritten signature in cursive script that reads 'Denise L. Klarich'.

Denise Klarich
Education Administrative Coordinator

Make checks payable to:
Mayo Clinic
4500 San Pablo Road
Jacksonville, FL 32224
Attn: Accounting Activity # 5324J01197

Tax ID: 59-3337028

Additional Advertisement Opportunities:

Signage at Breakfast and Lunch - \$2,000 – (Limited to 3 Companies)

Display your company logo for all attendees to see and announce your presence at the conference. Your company will provide a high-resolution logo to be used on materials prominently displayed during meals. (Artwork to be provided by sponsoring company and is subject to MCSCPD approval)

Conference Bags - \$3,000 – (Exclusive to 1 Company)

Display your company logo for all attendees to see and announce your presence at the conference. Your company will provide a high-resolution logo to be printed on conference bags ordered by managing committee. All bags may contain flyers and advertisements from other participants. (Artwork to be provided by sponsoring company and is subject to MCSCPD approval)

Conference Bag Inserts - \$500 – (Multiple Companies Permitted)

Conference bag inserts are a great opportunity to invite attendees to your table, announce your participation or conference-related event. Your company will provide 75 copies of a one-page flyer or booklet advertisement (no larger than 8 ½ x 11) and MCSCPD will insert them into the official conference bags. Inserts must be received by MCSCPD no later than 11/20/2024.

Mayo Clinic's Current Concepts in Extracorporeal Life Support:
 Medical Management and High-Fidelity Cannulation Simulations
 December 4th – December 7th, 2024
 Mayo Clinic – Jacksonville, Florida

Pre-Course Workshop – Additional Registration Required Hands On Point-of-Care Ultrasound & Transesophageal Echocardiography for Optimizing the Care of Extracorporeal Membrane Oxygenation Patients Wednesday, December 4th, 2024 Simulation Center	
7:00 a.m.	Registration & Continental Breakfast
7:50	Opening Remarks <i>Hari K. Kalagara, M.B.B.S., M.D.; Govind Panda, M.D.</i>
8:00-8:30	Basic Cardiac and Lung ultrasound <i>Carla P. Venegas, M.D.; Hiroshi Sekiguchi, M.D.</i>
8:30-9:30	Hands on Session <i>Carla P. Venegas, M.D.; Hiroshi Sekiguchi, M.D.; Juan G. Ripoll, M.D.</i>
9:30-9:45	Break
9:45-10:00	Advanced cardiac views. <i>Hari K. Kalagara, M.B.B.S., M.D.</i>
10:00-10:30.	Hemodynamics and VExUS <i>Nathan H. Waldron M.D.</i>
10:30-12:00	Hands on Session <i>Juan G. Ripoll, M.D.; Nathan H. Waldron, M.D.; Govind Panda, M.D.; Hari K. Kalagara, M.B.B.S, M.D.</i>
12:00-1:00	Lunch
1:00-1:15	Basic TEE <i>James A. Nelson, M.B.B.S.</i>
1:15-1:30	Advanced TEE <i>Wesley L. Allen, M.D.</i>
1:30-2:30	Hands on Session <i>Wesley L. Allen, M.D.; James A. Nelson, M.B.B.S; Jon M. Christiansen, M.D.; J. Ross Renew, M.D.</i>
2:30-2:45	Break
2:45-3:15	POCUS for ECMO <i>Govind Panda, M.D.</i>
3:15-3:30	Vascular Ultrasound <i>Juan G. Ripoll, M.D.</i>
3:30-4:30	Hands on Session <i>Wesley L. Allen, M.D.; James A. Nelson, M.B.B.S; Jon M. Christiansen, M.D.; J. Ross Renew, M.D.; Nathan H. Waldron, M.D.</i>
4:30-4:45	Concluding Remarks

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Thursday, December 5th, 2024 Mayo Clinic Kinne Auditorium – Cannaday Building	
7:00 a.m.	Registration, Continental Breakfast & Exhibit Hall
7:20	Welcome & Course Highlights <i>Gregory J. Schears, M.D.</i>
7:30	ECMO History and Overview <i>Gregory J. Schears, M.D.</i>
ECMO Introduction	
8:00	ECMO Nuts & Bolts: Basics of Cannulas, Oxygenators, Pumps, & Configurations <i>Heidi J. Dalton, M.D.</i>
8:30	Essentials of Anticoagulation during ECMO <i>Troy G. Seelhammer, M.D.</i>
9:05	Avoiding the “Bloody Mess”: Transfusion and ECMO <i>Sanjay Chaudhary, M.B.B.S., M.D.</i>
9:35	Break & Exhibits
9:45	To Breathe or Not to Breathe? - Mechanical Ventilation on ECMO (Virtual) <i>J. Kyle Bohman, M.D.</i>
10:15	ECPR Rational/Trials <i>Pramod K. Guru, M.B.B.S., M.D.</i>
10:45	Cannulation Reassessment and Reconfiguration <i>Philip J. Spencer, M.D.</i>
11:15	ECMO program Design and Development <i>Troy G. Seelhammer, MD & Greg J. Schears, MD</i>
11:45	Lunch Break & Exhibits: <i>Optional Session: Cardiohelp Deep Dive</i>
Afternoon Simulations/Small Groups Mayo Clinic Kinne Auditorium – Cannaday Building	
Rotation #1 12:45 – 1:30	A. Selection – (Kinne A) <i>Greg J. Schears, MD / Michael E. Nemergut, M.D., Ph.D/Ricardo Diaz-Millian, M.D.</i>
Rotation #2 1:35 – 2:20	B. Hemostatic Management – (Kinne B) <i>Troy G. Seelhammer, M.D.</i>
Break 2:20– 2:30	
Rotation #3 2:30 – 3:15	C. ECPR: Emergent Initiation, DPC, Approaches for Optimization, Disposition – (Kinne C) <i>Alex S. Finch, M.D. / Pramod K. Guru, M.B.B.S., M.D. / Jill M. Zimmerman, R.N./ Pablo Moreno Franco, M.D.</i>
Rotation #4 3:20 – 4:05	D. Hypoxia on VV ECMO – (Kinne D) <i>Sanjay Chaudhary, M.D. / Ryan C. Craner, M.D. /Nikki L. Matos APRN, D.N.P.</i>
4:05 – 4:30 p.m.	Q&A & Debrief
4:30 p.m.	Adjourn

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Friday, December 6th, 2024	
Mayo Clinic Kinne Auditorium – Cannaday Building	
ECMO Intermediate	
7:00 a.m.	Continental Breakfast & Exhibit Hall The Human Factors of ECMO: Building High-Performance Teams <i>Ayan Sen, M.D.</i>
7:30	Heart Failure: Physiology and Management <i>Parag C. Patel, M.D.</i>
8:00	Application of Pharmacotherapy on ECMO <i>Patrick M. Wieruszewski, Pharm.D., R.Ph.</i>
8:30	Levers to Pull: Vasoactive Pharmacotherapy Optimization in ECMO <i>Troy G. Seelhammer, M.D.</i>
9:00	ECMO beyond the conventional indications – toxicology, upper airway procedures, thoracic procedures <i>Matthew Thomas, M.B.B.S., M.D.</i>
9:30	Break & Exhibits
9:45	What About the Liver and Kidneys? – CRRT and MARS on ECMO <i>Nathan D. Peffley, M.D.</i>
10:15	RV dysfunction and ECMO <i>John Haney, M.D., M.P.H.</i>
10:45	ECMO and Heart/ lung transplant <i>Philip J. Spencer, M.D.</i>
11:15	Play Nice – Mixed Mechanical Circulatory Support Devices & ECMO, ECPPELLA <i>Atta Behfar, M.D., Ph.D.</i>
11:50	Didactic Q&A
12:00	Lunch Break & Exhibit Hall <i>Optional Session: Physiology of LV Venting: Trina J. Augustin, M.D.</i>
Afternoon Simulations/Small Groups	
Simulation Center – Stabile Building	
Rotation #1 12:30 – 1:15	E. LV Venting Strategies: Who, What, When, & Where – (Learning Center A) <i>Nathan H. Waldron, M.D. / Trina J. Augustin, M.D. / Thomas E. Brown, C.C.P.</i>
Rotation #2 1:20 – 2:05	F. Circuit Emergencies (Med/Surg) – (Learning Center B) <i>Bhavesh M. Patel, M.D. / James L. Johnson, Jr., C.C.P. / Jo'el D. Barr, R.N. / Pramod K. Guru, M.B.B.S., M.D. / Joseph R. Shiber, M.D.</i>
Break 2:05 – 2:20	
Rotation #3 2:20 – 3:05	G. Wet/Wet Connection, Sterile Thrombus Removal, Cannula Securement – (PSL) <i>Gregory J. Schears, M.D. / Tammy P. Friedrich, M.S.N., R.N. / Ryan C. Craner, M.D. / Rachel M. Hannon, APRN</i>
Rotation #4 3:10 – 3:55	H. Trial Off (with ECHO assessment) / ECMO Removal – (Operating Room) <i>Philip J. Spencer, M.D. / Ricardo Diaz Milian, M.D. / Nikki L. Matos, APRN, D.N.P.</i>
3:55 – 4:30 p.m.	Q&A & Debrief
4:30 p.m.	Adjourn

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Saturday, December 7th, 2024	
Mayo Clinic Simulation Center – Stable Building	
7:30 a.m.	Special Session: 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 & bridging strategies
8:00	Introduction to the Day <i>Troy G. Seelhammer, M.D.</i>
8:05	Live Guided Case Discussions with Experts (Learning Center B) Moderator: <i>Troy G. Seelhammer, M.D.</i> <i>Trina J. Augustin, M.D. & Philip J. Spencer, M.D.</i>
High Fidelity Simulations	
<i>* Rotating Groups; All Attendees Participate in Every Session</i>	
Rotation #1 9:00 – 9:50	A. Cannulation Basics – (Procedural Skills Lab) Gregory J. Schears, M.D. / <i>Trina J. Augustin, M.D./ Errin Kalvelage, R.R.T., L.R.T. / Alexis Derk, C.C.P.</i>
Rotation #2 10:00 – 10:50	B. VV ECMO Cannulation – (Emergency Department) Randy R. Mielke, M.D., M.P.H/ Ryan C. Craner, M.D./ James R. Neal, C.C.P. / Jo'el D. Barr, R.N.
Rotation #3 11:00 – 11:50	C. Extended Reality → VR; AR TEE; 3D Anatomage – (Learning Center A&B) <i>Jonathan M. Morris, M.D. (VR), Basar Sareyyupoglu, M.D. (Immersive Table), Govind Panda, M.D. / Juan G. Ripoll, M.D. (TEE)</i>
12:00 - 12:30	Lunch with Q&A
High Fidelity Simulations	
<i>* Rotating Groups; All Attendees Participate in Every Session</i>	
Rotation #1 12:45 – 1:50	D. ECPR Simulations and Debrief – (Procedural Skills Lab) John Haney, M.D., M.P.H / Trina J. Augustin M.D./ Alex S. Finch, M.D. / Errin Kalvelage, R.R.T., L.R.T. / James L. Johnson, Jr., C.C.P
Rotation #2 2:00 – 3:05	E. Circuit Reconfiguration: Each Portion 30-min duration – (Emergency Department) <i>Medical: Quintin J. Quinones, M.D., Ph.D. / Jill M. Zimmerman, R.N. / Thomas E. Brown, C.C.P.</i> <i>Surgical: Sanjay Chaudhary MD, Si M. Pham, M.D. / Jo'el D. Barr, R.N./Tammy Friedrich, M.S.N., R.N.</i>
Rotation #3 3:15 – 4:20	F. Non-Emergent Cannulation (Periprocedural, bridge to transplantation) – (OR) Philip J. Spencer, M.D. / Devang K. Sanghavi, M.B.B.S, M.D. / Pablo Moreno Franco, M.D. / Alexis Derk, C.C.P.
4:20 – 5:00	Debrief and Q&A
5:00 p.m.	Adjourn



School of Continuous
Professional
Development

Join us in Florida!

Current Concepts in Extracorporeal Life Support: Medical Management and High-Fidelity Cannulation Simulations

DECEMBER 4-7, 2024

**Mayo Clinic Kinne Auditorium – Cannaday Building
Mayo Clinic Simulation Center
Jacksonville, Florida**

TARGET AUDIENCE

This course is designed for ECLS specialists, respiratory therapists, nurses, perfusionists and physicians specializing in critical care medicine, pulmonary medicine, emergency medicine, cardiothoracic surgery, cardiology and those interested in a foundational education in caring for the ECLS patient.



32.25 AAPA
Category 1

32.25 AMA PRA
Category 1 Credit™

32.25 ANCC

32.25 AOA
Category 2-A

32.25 Attendance



1:2 Faculty to
Participant Ratio

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COURSE HIGHLIGHTS

- High-yield, focused talks covering the breadth of extracorporeal life support (ECLS), including veno arterial, veno venous, and extracorporeal cardio-pulmonary resuscitation (ECPR) and atypical configurations including micro axial flow pumps
- Immersive, hands-on workshops integrating the latest techniques and technology encompassing the clinical use of extracorporeal life support (ECLS)
- Optional high-fidelity workshop on Saturday, December 7, 2024. Additional fee required
- Didactic livestream session — join us via livestream webcast and earn CME credits

LEARNING OBJECTIVES

Upon conclusion of this program, participants should be able to:

- Identify the various forms of ECLS support and their role in clinical practice
- Describe anticoagulation, transfusion, and fluid management during ECLS
- Discuss hemodynamic assessment of ECLS patients including application of POCUS and TEE in management
- Summarize strategies for pharmacotherapy during ECLS
- Discuss principles of ethics to the delivery of ECLS care
- Evaluate patient selection criteria for initiating various forms of ECLS (VV, VA, ECPR)
- Analyze the integration of ECLS with other mechanical circulatory support devices, including micro axial flow pumps
- Develop a comprehensive approach to patient management, considering factors such as indications, contraindications, and potential synergies between modalities
- Assess the optimal cannulation strategy for each scenario to enhance patient outcomes

LODGING ACCOMMODATIONS

Jacksonville International Airport (JAX) is located 45 minutes from Mayo Clinic. Taxis and rental cars are readily available at the airport. Transportation is highly recommended, as the campus is not within walking distance to many dining locations. Attendees are responsible for their own reservations and travel arrangements.

Located on the Mayo Clinic Campus: **Mayo Clinic Courtyard by Marriott**

14390 Mayo Blvd.
Jacksonville, FL 32224
800-321-2211

For those seeking off-campus accommodations, some recommendations include but are not limited to:

Four Points by Sheraton Jacksonville Beachfront

11 First Street North
Jacksonville Beach, FL 32250
904-435-3535
Located five miles from the Mayo Clinic campus

Hampton Inn Jacksonville Beach/Oceanfront

1515 First Street North
Jacksonville Beach, FL 32250
904-241-2311
Located six miles from the Mayo Clinic campus

Ponte Vedra Inn & Club

200 Ponte Vedra Blvd.
Ponte Vedra, FL 32082
888-839-9145
Located six miles from the Mayo Clinic campus

One Ocean Resort & Spa

1 Ocean Blvd
Atlantic Beach, FL 32233
800-874-6000
Located eight miles from the Mayo Clinic campus

Sawgrass Marriott Golf Resort & Spa

1000 PGA Tour Blvd
Ponte Vedra Beach FL, 32082
904-285-7777
Located 10 miles from the Mayo Clinic campus

Contact your hotel of interest about a possible Mayo Clinic business rate. You may also view www.visitjacksonville.com for additional accommodations as well as recreation and leisure activities.

PROGRAM AT-A-GLANCE

- Focused case-base scenarios
- Hands-on simulation training
- Comprehensive cannulation training
- Physiology to practical strategies of VV, VA & other mechanical support devices
- ECPR activation and optimization
- Program development and financial tips
- Dedicated 3rd day simulations
- 1:2 Faculty to participant ratio
- Pre-course : POCUS & TEE
- Discounted registration for abstract submission and participation in DCD course
- Virtual participation & live streaming of Thursday/Friday sessions

Accreditation Statement



In support of improving patient care, Mayo Clinic College of Medicine and Science is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

Credit Statement(s)

AMA Mayo Clinic College of Medicine and Science designates this live activity for a maximum of 32.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AAPA Mayo Clinic College of Medicine and Science has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 32.25 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

ANCC Mayo Clinic College of Medicine and Science designates this activity for a maximum of 32.25 ANCC contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

AOA The American Osteopathic Association designates this program for a maximum of 32.25 AOA Category 2-A credits.

ABIM Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 32.25 MOC points and patient safety MOC credit in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

ABS Successful completion of this CME activity, which includes participation in the evaluation component, enables the learner to earn credit toward the CME and Self-Assessment requirements of the American Board of Surgery's Continuous Certification program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABS credit.

ABA This activity offers up to 32.25 CME credits, of which 32.25 credits contribute the patient safety CME component of the American Board of Anesthesiology's redesigned Maintenance of Certification in Anesthesiology™ (MOCA®) program, known as MOCA 2.0®. Please consult the ABA website, www.theABA.org for a list of all MOCA 2.0 requirements.

Other Healthcare Professionals A record of attendance will be provided to all registrants for requesting credits in accordance with state nursing boards, specialty societies or other professional associations.

COURSE REGISTRATION

POCUS & Basic TEE (Wednesday, December 4) (in-person)	\$800
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Current Concepts in Extracorporeal Life Support: Medical Management and High-Fidelity Cannulation Simulations - 2024 - Live (in-person)	\$1350
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High Fidelity Simulations (Saturday, December 7, 2024) - In-Person Only	\$850
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Current Concepts in Extracorporeal Life Support: Medical Management and High-Fidelity Cannulation Simulations - 2024 - Livestream (virtual)	\$600
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ABSTRACTS

As we enter our seventh year of offering the Mayo Clinic Current Concepts in ECLS course in Jacksonville, FL, we are excited to announce that the course has a venue to present abstracts from all medical trainees. Abstracts with a main theme of temporary mechanical circulatory support will be the focus. These can be medically challenging cases, case series, or scientific studies. Abstracts will be reviewed by our course directors and decisions regarding acceptance will be made on a rolling basis. The submission deadline for abstracts is October 4, 2024.

Trainees with accepted abstracts will receive a discounted course fee (\$750). All abstracts will require presentation at the Thursday evening e-poster session (Thursday, December 5 at 4:30 pm) to be held at the Kinne Auditorium at Mayo Clinic Jacksonville.

For further information, please contact flacmeabstracts@mayo.edu

Current Concepts in Extracorporeal Life Support: Medical Management and High- Fidelity Cannulation Simulations

COURSE DIRECTORS

Pramod K. Guru, M.B.B.S., M.D.
Sanjay Chaudhary, M.B.B.S., M.D.
Gregory J. Schears, M.D.
Troy G. Seelhammer, M.D.



Mayo Clinic School of Continuous Professional Development

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Jacksonville FL, 32224

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DECEMBER 4-7, 2024

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Jacksonville, Florida**

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