Mayo Clinic
Extracorporeal Membrane Oxygenation (ECMO) Symposium

Mayo Clinic Johnson Research Building and Center for Procedural Innovation
Scottsdale, Arizona

Saturday – Sunday
October 24-25, 2015

REGISTER ONLINE NOW!
www.ce.mayo.edu/node/4305

Patrick A. DeValeria, M.D.
Bhavesh M. Patel, M.D.
COURSE DESCRIPTION
This highly immersive hands-on workshop in live tissue, cadaveric and high fidelity simulation labs provides the latest techniques and technology surrounding the clinical use of Extracorporeal Membrane Oxygenation (ECMO). Through integrated clinical scenarios, providers will apply the knowledge gained towards the initiation and management of ECMO on simulated cases of acute respiratory and hemodynamic failure. Providers will deepen their understanding of the applied physiology of both venovenous and venoarterial ECMO and its interaction with conventional life support treatments.

COURSE LEARNING OBJECTIVES
Upon completion of this course, participants should be able to:
• Identify the components of the ECMO circuit.
• Describe basic and advanced Physiology of Venovenous and Venoarterial ECMO.
• Recognize major indications and contraindications of Venovenous and Venoarterial ECMO.
• Identify common problems and major complications of ECMO.
• Differentiate the interaction ECMO has on various patient organ systems.
• Comprehensively assess the ECMO patient with appropriate monitoring techniques.

CREDIT
Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Mayo Clinic College of Medicine designates this live activity/enduring material/journal-based CME activity for a maximum of 15.0 AMA PRA Category 1 Credits™.

Attendees should claim only the credit commensurate with the extent of their participation in the activity. This program has been accredited by the American Osteopathic Association for 15.0 credits of AOA Category 2-A. A record of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

INTENDED AUDIENCE
This course targets medical and surgical care providers in the following areas: Pulmonary, Critical Care, Internal Medicine, Thoracic Surgeons, Anesthesiology, and Vascular Surgery.

DISCLAIMER
Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

GRANTS AND EXHIBITS
As of this printing, a complete list of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the meeting.

MEETING LOCATION
Mayo Clinic Johnson Research Building
13400 East Shea Boulevard
Scottsdale, Arizona 85259
Located on the southwest area of the Mayo Clinic Scottsdale Campus

ACCOMMODATIONS
Courtyard Scottsdale at Mayo Clinic
13444 East Shea Boulevard
Scottsdale, Arizona 85259

For reservations, call (800) 321-2211 and specify the Mayo Clinic ECMO Course group rate at the Courtyard Scottsdale at Mayo Clinic. Mayo Clinic ECMO group rate is $129 (USD), per night, plus applicable state and local taxes, until September 23, 2015, or until group block is filled.

The Courtyard Scottsdale at Mayo Clinic is surrounded by the natural beauty of the Sonoran Desert. Enjoy its relaxing environment and its state-of-the-art upgrades including flexible lobby spaces, free Wi-Fi throughout and easy access to the latest news, weather and airport conditions via its GoBoard. The highlight of its lobby experience is The Bistro, which provides guests with healthy food and drink options for breakfast, lunch and dinner daily. Re-energize with a dip in the pool or whirlpool or work out in its 24-hour fitness center.

Attendees are responsible for their own reservations. The standard hotel reservation cancellation policy will apply to individual reservations unless otherwise specified.
General Information

AMERICAN WITH DISABILITIES ACT
Mayo Clinic College of Medicine fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity.
Email mca.cme@mayo.edu

COURSE ATTIRE
Due to the hands-on nature of this course, attendees are asked to come in scrubs or leisure attire (scrubs will be provided). Storage for personal items is extremely limited.

RECREATION/LEISURE ACTIVITIES
Visit www.visitphoenix.com or www.scottsdalecvb.com for recreation and leisure activities.

GROUND TRANSPORTATION
Hertz is offering a reduced daily rate for participants attending the course. Visit www.hertz.com and refer to the exclusive CV #03NR0010 when making reservations. Special rates include unlimited mileage. Advance reservations are recommended as cars are subject to availability.
SuperShuttle vans offer airport transportation to and from area hotels and businesses. To make reservations, call (800) 258-3826 or (602) 244-9000, or visit www.supershuttle.com.

Registration Information

Registration is available on our NEW website at https://ce.mayo.edu/node/4305
The course registration fee includes tuition, Red Book, access to an online course syllabus, daily continental breakfast and break refreshments.
No printed syllabus will be available.
An email confirmation will be sent upon receipt of payment and completed registration. If you do not receive your confirmation, or if you have any questions, please email us at mca.cme@mayo.edu or call (480) 301-4580.
No refund will be granted unless a written notice of cancellation is received. If registration must be canceled, tuition less a $75 administrative fee will be refunded when notification is received on or before October 9, 2015. No refunds will be made after this date.

Although it is not Mayo Clinic’s policy to limit the number of registrants for a course, conference room facilities may necessitate closure of enrollment. Early registration is strongly recommended. Walk-in registrations cannot be guaranteed.

Mayo School of Continuous Professional Development (MSCPD) reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event that MSCPD must cancel or postpone this course, MSCPD will fully refund the registration fee, but are not responsible for any related costs, charges or expenses to participants, including fees assessed by airline, travel or lodging agencies.

Mayo Clinic will not be responsible for expenses incurred by individuals who are not confirmed for courses with a closed registration status. Costs incurred by the registrant such as airline/hotel fees or penalties are the responsibility of the registrant.

REGISTER NOW!
www.ce.mayo.edu/node/4305
Note: When registering online, please be sure to “check-out” after your profile is updated.

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<th>GENERAL SESSION</th>
<th>Standard (in USD)</th>
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<tr>
<td>Physicians Active in Practice</td>
<td>$2,500</td>
</tr>
<tr>
<td>Other (resident, retired, allied health)</td>
<td>$2,500</td>
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The ECMO Program consists of rotations between Didactic lectures and Hands-On stations. Didactic lectures will be held in the Mayo Clinic Johnson Research Building while the Hands-On stations will be held in the Center for Procedural Innovations Lab. The Hands-On stations consist of simulated manikins, cadaveric, and live tissue. The program is designed so each participant will experience all stations and lectures. The topics of rotations and complete agenda are listed below.

Saturday, October 24, 2015

7:00 a.m.  Continental Breakfast & Industry Exhibits
7:50   Welcome Announcements
       Bhavesh M. Patel, M.D.
8:00   Intro/Basics of ECMO
       Laurance Lequier, M.D., F.R.C.P.C.
8:25   Break
8:45   SERIES I ROTATIONS
       Didactic  Indications and Patient Selection
       Initiation & Monitoring
       Interactive  Intro to Devices
       Cory M. Alwardt, C.C.P., Ph.D., Heidi J. Dalton, M.D., M.C.C.M.,
       Patrick A. DeValeria, M.D., Donald A. Granoski, R.R.T., Joel S. Larson, M.D.,
       Laurance Lequier, M.D., F.R.C.P.C., Ayan Sen, M.D., and Donald S. Wilson, C.C.P.
10:15  Refreshment Break
10:30  SERIES I ROTATIONS
       Didactic  Indications and Patient Selection
       Initiation & Monitoring
       Interactive  Intro to Devices
       Cory M. Alwardt, C.C.P., Ph.D., Heidi J. Dalton, M.D., M.C.C.M.,
       Patrick A. DeValeria, M.D., Donald A. Granoski, R.R.T., Joel S. Larson, M.D.,
       Laurance Lequier, M.D., F.R.C.P.C., Ayan Sen, M.D., and Donald S. Wilson, C.C.P.
12:00  Lunch (provided)
12:45  SERIES II ROTATIONS
       Didactic  Mechanical Ventilation on ECMO
       Optimizing and Monitoring Oxygen Delivery on ECMO
       Prevention and Management of Thrombosis and Bleeding on ECMO
       Hands-On  VV ECMO Live Tissue Labs
       Cory M. Alwardt, C.C.P., Ph.D., Hannelisa E. Callisen P.A.-C.,
       Heidi J. Dalton, M.D., M.C.C.M., Patrick A. DeValeria, M.D.,
       Joel S. Larson, M.D., Laurance Lequier, M.D., F.R.C.P.C., Bhavesh M. Patel, M.D.,
       Thomas J. Preston, C.C.P, F.P.P., Ayan Sen, M.D., and Donald S. Wilson C.C.P.
2:30  Refreshment Break
2:45  SERIES II ROTATIONS
       Didactic  Mechanical Ventilation on ECMO
       Optimizing and Monitoring Oxygen Delivery on ECMO
       Prevention and Management of Thrombosis and Bleeding on ECMO
       Hands-On  VV ECMO Live Tissue Labs
       Cory M. Alwardt, C.C.P., Ph.D., Hannelisa E. Callisen P.A.-C.,
       Heidi J. Dalton, M.D., M.C.C.M., Patrick A. DeValeria, M.D.,
       Joel S. Larson, M.D., Laurance Lequier, M.D., F.R.C.P.C., Bhavesh M. Patel, M.D.,
       Thomas J. Preston, C.C.P, F.P.P., Ayan Sen, M.D., and Donald S. Wilson C.C.P.
4:30  Break
4:45  Case Presentation
       Panelists: Heidi J. Dalton, M.D., M.C.C.M., Joel S. Larson, M.D.,
       Laurance Lequier, M.D., F.R.C.P.C., Bhavesh M. Patel, M.D., and Ayan Sen, M.D.
5:20  Adjourn
Program

Sunday, October 25, 2015

7:00 a.m.  Continental Breakfast & Industry Exhibits
7:30  Welcome Announcements
7:40  ECMO Review
       Bhavesh M. Patel, M.D.
8:00  Break
8:15  SERIES III ROTATIONS
       Didactic  Care of the Patient on ECMO
       ECMO Emergencies, Major Complications
       Special Situations
       Interactive  Cannulation Selection & Techniques
       ECMO Simulations
       Cory M. Alwardt, C.C.P., Ph.D., Hannelisa E. Callisen P.A.-C.,
       Patrick A. DeValeria, M.D., Jose L. Diaz-Gomez, M.D., Joel S. Larson, M.D.,
       Laurance Lequier, M.D., F.R.C.P.C., Greg J. Schears, M.D., Ayan Sen, M.D.,
       and Donald S. Wilson C.C.P.
9:45  Refreshment Break
10:00  SERIES III ROTATIONS
       Didactic  Care of the Patient on ECMO
       ECMO Emergencies, Major Complications
       Special Situations on ECMO
       Interactive  Cannulation Selection & Techniques
       ECMO Simulations
       Cory M. Alwardt, C.C.P., Ph.D., Hannelisa E. Callisen P.A.-C.,
       Patrick A. DeValeria, M.D., Jose L. Diaz-Gomez, M.D., Joel S. Larson, M.D.,
       Laurance Lequier, M.D., F.R.C.P.C., Greg J. Schears, M.D., Ayan Sen, M.D.,
       and Donald S. Wilson C.C.P.
11:30  Lunch (provided)
12:15 p.m.  SERIES IV ROTATIONS
       Didactic  Weaning and Decannulation
       Economics & Program Development
       Ethics and Team Management
       Hands-On  VA ECMO Live Tissue Labs
       Cory M. Alwardt, C.C.P., Ph.D., Hannelisa E. Callisen P.A.-C.,
       Heidi J. Dalton, M.D., M.C.C.M., Patrick A. DeValeria, M.D.,
       Jose L. Diaz-Gomez, M.D., Joel S. Larson, M.D., Thomas J. Preston, C.C.P, F.P.P.,
       Greg J. Schears, M.D., Ayan Sen, M.D., and Donald S. Wilson C.C.P.
2:00  Refreshment Break
2:15  SERIES IV ROTATIONS
       Didactic  Weaning and Decannulation
       Economics & Program Development
       Ethics and Team Management
       Hands-On  VA ECMO Live Tissue Labs
       Cory M. Alwardt, C.C.P., Ph.D., Hannelisa E. Callisen P.A.-C.,
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       Jose L. Diaz-Gomez, M.D., Joel S. Larson, M.D., Thomas J. Preston, C.C.P, F.P.P.,
       Greg J. Schears, M.D., Ayan Sen, M.D., and Donald S. Wilson C.C.P.
4:00  Break
4:20  Case Presentation
       Panelists: Heidi J. Dalton, M.D., M.C.C.M., Jose L. Diaz-Gomez, M.D.,
       Bhavesh M. Patel, M.D., Greg J. Schears, M.D., and Ayan Sen, M.D.
5:00  Adjourn

Program schedule is subject to change without notice.
COURSE DIRECTORS
Bhavesh M. Patel, M.D.  Patrick A. DeValeria, M.D.

MAYO CLINIC FACULTY
Cory M. Alwardt, C.C.P., Ph.D.  Gregory J. Schears, M.D.
Hannelisa E. Callisen P.A.-C  Ayan Sen, M.D.
Jose L. Diaz-Gomez, M.D.  Donald S. Wilson C.C.P.
Joel S. Larson, M.D.

GUEST FACULTY
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ECMO Coordinator
Stollery Children’s Hospital
Edmonton, Alberta, Canada

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Pediatric Intensivist and Director of the Extracorporeal Life Support Program
Stollery Children’s Hospital
Edmonton, Alberta, Canada

Thomas J. Preston, C.C.P., F.P.P.
Perfussionist
Arcadia, Oklahoma

FACULTY DISCLOSURE: As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of CPD) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course Director(s), Planning Committee Members, Faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty will also disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

NATIONAL PHYSICIAN PAYMENT TRANSPARENCY PROGRAM
Mayo Clinic College of Medicine complies with the requirements of the National Physician Payment Transparency Program OPEN PAYMENTS (Physician Payments Sunshine Act).