The Extracorporeal Life Support Symposium:

Patient Selection and Management, Circuit Management and Transport

September 28, 2018
Biomedical Research Tower Auditorium
460 W. 12th Ave
Columbus, OH 43210

Sponsored by:
The Ohio State University Wexner Medical Center, in cooperation with The Ohio State University Heart and Vascular Center with the divisions of Cardiac Surgery and Cardiovascular Medicine
The Extracorporeal Life Support Symposium:
Patient Selection and Management, Circuit Management and Transport

TARGET AUDIENCE
Pulmonologists, Cardiologists, Cardiac Surgeons, General Surgeons, Anesthesiologists, Emergency Medicine physicians, Perfusionists, Intensivists, Nurses and Respiratory Therapists

PURPOSE
The use of ECLS (extracorporeal life support) has grown rapidly in the U.S. in recent years. The Richard M. Ross Heart Hospital at The Ohio State University Wexner Medical Center has extensive experience in this exciting field for the last 10 years. The purpose of this symposium is to provide an educational framework and to offer support for clinicians and hospitals interested in developing or furthering a community-based ECLS program. There will also be information for centers that are interested in having the ability to place patients on ECLS and transfer them to an experienced ECLS program for management.

OBJECTIVES
At the end of the symposium, attendees will have the ability to:

1. Identify patient criteria for ECLS candidates
2. Differentiate between veno-arterial ECLS and veno-venous ECLS
3. Appropriately determine which type of ECLS to utilize for the patient and indications for ECPR
4. Describe how to cannulate patients so as to preclude the need for cannula revision
5. Initiate ECLS
6. Perform the referral process
7. Review safe transportation of the ECLS patient
COURSE AGENDA

7:15 – 8 a.m. REGISTRATION/BREAKFAST

8 - 8:10 a.m. Welcome Remarks and Introductions
S. Veena Satyapriya, MD

8:10 - 8:30 a.m. ECLS Modes and Circuits
James Ralston, CCP
  • ECLS Types
  • ECLS Circuits
  • ECLS Components

8:30 - 9 a.m. Evaluation and Indications for ECLS
S. Veena Satyapriya, MD
  • Indications for VV-ECLS
  • Indications for VA-ECLS

9 - 9:10 a.m. Absolute and Relative Contraindications
Amar Bhatt, MD

9:10 – 9:30 a.m. ECPR for VF/VT Patients
Konstantinos Dean Boudoulas, MD and Ernest Mazzaferri Jr., MD

9:30 - 9:50 a.m. BREAK WITH Q&A

9:50 - 10:0 a.m. Ventilator Management for the ECLS Patient
Ravi Tripathi, MD

10:0 - 10:25 a.m. Ventilator Settings for ECLS Type
Melissa Klug, RT

10:25 - 10:45 a.m. Anticoagulation Management for ECLS
Alan Rozycki, PharmD

10:45 - 11:15 a.m. Bedside Management in the ICU
Sheila Chucta, CNS
  • Nursing Concerns
  • Early Mobilization

11:15 a.m. - 12 p.m. LUNCH, QUESTION AND ANSWER

12 - 12:15 p.m. Break and Proceed to Breakout Sessions of Choice

BREAKOUT SESSIONS

12:15 - 12:35 p.m. Breakout Sessions 1, 2, and 3
1. Assembly and Priming of the Standard ECLS Circuit
   David Igoe, CCP

2. Ohio State Referral Packet
   S. Veena Satyapriya, MD

3. Bedside Nurse Q&A Discussion
   Sheila Chucta, CNS; Lisa Post RN, BSN
12:35 - 12:55 p.m. **Breakout Sessions 4, 5, and 6**
4. **Ohio State Cannula placement**
   Bryan Whitson, MD, PhD
5. **Assembly and Priming of the CardioHelp Circuit**
   David Igoe, CCP
6. **Bedside Nurse Q&A Discussion**
   Sheila Chucta, CNS; Lisa Post RN, BSN

12:55 – 1:20 p.m. **Initiation, Management and Transport**
David Mast, CCP
- Managing ECLS Initiation
- ECLS Transport and Readiness

1:20 – 1:30 p.m. **Closing Remarks/Fill Out Feedback Form**
Bryan Whitson MD, PhD

**COURSE DIRECTORS**

**S. Veena Satyapriya, MD**
Assistant Professor of Anesthesiology, Critical Care
Medical Director, Ohio State ECLS Program
Program Director, Anesthesiology Critical Care Fellowship

**David Mast, CCP**
Senior Perfusionist
Coordinator, Ohio State ECLS Program

**COURSE FACULTY, RICHARD M. ROSS HEART HOSPITAL**

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Clinical Nurse Specialist

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Senior Perfusionist

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Manager, Respiratory Therapy

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Director, Thoracic Transplantation and Mechanical Circulatory Support  
Co-Director, COPPER Laboratory
Accreditation Statement

The Ohio State University Wexner Medical Center, Center for Continuing Medical Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Ohio State University Wexner Medical Center designates this educational activity for a maximum of 6 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

To register, please email: ellen.yokoyama@osumc.edu