



## **UPMC Children's Hospital of Pittsburgh**

### **11<sup>th</sup> Annual Neonatal and Pediatric ECLS Educational Conference**

**October 14-16, 2020**

A **Live Virtual Conference** presented from  
John G. Rangos Sr. Conference Center  
UPMC Children's Hospital of Pittsburgh  
4401 Penn Ave.  
Pittsburgh, PA 15224

#### **Program Overview:**

The UPMC Children's Hospital of Pittsburgh 11<sup>th</sup> Annual Neonatal and Pediatric ECLS Educational Conference is a 2.5-day course designed to provide a didactic and "hands-on" based education in an interactive multidisciplinary format for health care providers who care for patients receiving extracorporeal support.

#### **Educational Objective:**

After participating in this educational activity, participants should be able to:

- Recognize the benefit of a multi-disciplinary approach to managing ECMO patients
- Discuss neurodevelopmental outcomes and follow-up care for pediatric ECMO patients
- Understand the varying cannulation strategies for VA versus VV ECMO
- Recognize and manage ECMO emergencies
- Discuss indications for ECPR
- Understand different strategies for patient management on ECMO
- Discuss anticoagulation management for pediatric ECMO patients

## **Target Audience:**

- ECMO specialists
- Neonatologists
- Pediatric and adult critical care physicians
- Pediatric and adult surgeons
- Perfusionists
- Advanced practice nurses
- Registered nurses and respiratory therapists

Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service. Please notify us of your needs at least two weeks in advance of the program by emailing [ccehs\\_support@upmc.edu](mailto:ccehs_support@upmc.edu).

In support of improving patient care, the University of Pittsburgh 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.

### **Physician (CME)**

The University of Pittsburgh designates this live activity for a maximum of 16.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### **Nursing (CNE)**

The maximum number of hours awarded for this Continuing Nursing Education activity is 16.0 contact hours.

### **Other Healthcare Professionals**

Other health care professionals will receive a certificate of attendance confirming the number of contact hours commensurate with the extent of participation in this activity.

### **Perfusionists (CEU)**

This course is approved by the American Board of Cardiovascular Perfusion for 19.9 Category I CEUs.

All cancellations must be sent via email to Melissa Grayson, CCP at [graysonm@upmc.edu](mailto:graysonm@upmc.edu). Cancellations received before August 15, 2020 will be refunded in full. After August 15, 2020, a \$50 fee will be assessed and no refunds will be made after September 15, 2020.

## Course Medical Director

Melita Viegas, MD  
Director, Mechanical Circulatory Support  
Assistant Professor of Cardiothoracic Surgery,  
University of Pittsburgh School of Medicine  
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## Course Planning Committee Chairs

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## Course Faculty

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**We gratefully acknowledge educational grant support from the following for this activity:**

**Abbott Laboratories**

## Course Agenda

### Wednesday October 14, 2020

0900 - 0915	Welcome	Melita Viegas, MD
0915 - 0930	ECMO at CHP	Melissa Grayson, CCP
0930 - 1000	A Day in the Life of an ECMO Specialist	Marit Aspenleiter, CCP
1000 - 1030	Neonatal ECMO Management	Burhan Mahmood, MD
1030 - 1100	Case Presentation: NICU	Burhan Mahmood, MD
1100 - 1130	Break	
1130 - 1230	Simulation: NICU ECMO	Burhan Mahmood, MD
1230 - 1300	Break	
1300 - 1330	Clinical Indications for ECMO	Mario Castro Medina, MD
1330 - 1400	Use of NIRS in ECMO	Michele Osborn, MSN
1400 - 1430	Simulation: Cervical Cannulation Demonstration	Melita Viegas, MD
1430 - 1500	ECMO for Lung Transplantation	Pablo Sanchez, MD
1500 - 1530	Surgical Procedures on ECMO	Kelly Austin, MD

**Thursday, October 15, 2020**

1100	Welcome	
1100 – 1130	Simulation: ECPR: Word on the Street	David Palmer, Ed. D, CCP
1130 – 1200	Building an ECMO Simulation Program	David Palmer Ed. D, CCP
1200 - 1230	Anticoagulation on ECMO	Ravi Thiagarajan, MD
1230 – 1300	Simulation: Avalon Insertion	Mario Castro Medina, MD
1300 – 1330	ECMO Follow Up	Erika Fink, MD and Liz Herrup, MD
1330 – 1400	Ethics	Scott Maurer, MD
1400 – 1430	ECMO as a Bridge to VAD/Transplant	Matt Zinn, MD
1430 – 1500	Simulation: Percutaneous Femoral Cannulation	Melita Viegas, MD
1500 - 1530	Pediatric ECMO: ECPR	Nahmah Kim-Campbell, MD
1530 - 1600	Break	
1600 - 1700	Simulation: PICU ECMO	Nahmah Kim-Campbell, MD
1700 - 1730	Break	
1730 – 1800	Case Presentation: PICU	Molly Lewen, MD
1800	Adjourn	

**Friday, October 16, 2020**

0800	Welcome	
0800 – 0830	ECMO Billing and Finance	Holly Schrag
0830 - 0900	COVID-19 and ECMO	Holt Murray, MD
0900 - 0930	Simulation: Open Chest Cannulation	Melita Viegas, MD
0930 – 1000	Simulation Pitfalls	Melissa Grayson, CCP
1000 - 1030	Pediatric Cardiac ECMO Management	Justin Yeh, MD
1030 - 1100	Case Presentation: CICU	Raymond Morales, MD
1100 – 1130	Simulation: CICU ECMO	Matt Bochkoris, MD
1130 - 1200	ECMO post Norwood: The CHP Experience	Carlos Diaz Castrillon, MD
1200 - 1230	The Future of ECMO	Melita Viegas, MD
1230 – 1300	Process for CME Evaluation/Obtaining Credits	Melissa Grayson, CCP
1300	Adjourn	