

13th Annual Neonatal & Pediatric ECLS Educational Conference

Wednesday, Oct. 5: 10:30 a.m. to 4:45 p.m.

Thursday, Oct. 6: 10:30 a.m. to 4:45 p.m

Friday, Oct. 7: 10:30 a.m. to 4 p.m.







INTRODUCTION

Welcome to the 13th Annual Neonatal & Pediatric ECLS Educational Conference at UPMC Children's Hospital of Pittsburgh. We dedicate this conference to providing educational opportunities for clinicians caring for children requiring Extracorporeal Life Support (ECLS) therapy including extracorporeal membrane oxygenation (ECMO) and ventricular assist device (VAD) support.

We are excited to have transitioned to an all-virtual platform that allows us to continue to provide one-of-a-kind educational opportunities through interactive high-fidelity simulation activities, interesting case discussions, and live "hands-on" training demonstrations. The virtual platform provides increased opportunity to reach those that would be unable to attend in person.

Our goal is to provide clinicians of all levels a chance to enhance their knowledge of managing pediatric patients requiring ECLS. We are delighted to have you join us and hope that you enjoy this engaging and comprehensive program.

EDUCATIONAL OBJECTIVES

The purpose of this course is 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. After participating in this educational activity, participants should:

- Be able to discuss appropriate inclusion/exclusion criteria for ECPR for out of hospital cardiac arrest
- Be able to discuss patient selection ECLS for procedural support
- Be familiar and comfortable with different strategies for physical therapy for patients on ECLS
- Be able to provide appropriate family resources and support for families with loved ones on ECLS
- Have an appreciation for the benefits of having a multidisciplinary ECLS team
- Understand different strategies for ECLS management for specific patient populations

LEARNING OBJECTIVES

- Review of the morphology and anatomy
- Review of diagnostic modalities and key points
- · Surgical treatment overview
- Long-term challenges for this patient population

TARGET AUDIENCE

This ECLS educational event is designed for ECMO specialists, pediatric and adult critical care physicians, pediatric and adult surgeons, perfusionists, neonatologists, advanced practice providers, registered nurses and respiratory therapists, and any other professionals interested neonatal and pediatric ECLS.

COURSE DIRECTOR

Melita L. Viegas, MD

Director Pediatric Mechanical Cardiopulmonary Support Assistant Professor, Cardiothoracic Surgery University of Pittsburgh School of Medicine

PLANNING COMMITTEE

Marit Aspenleiter, BS, CCP, LP

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ECMO Specialist
UPMC Children's Hospital of Pittsburgh

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Director, Perfusion, ECMO UPMC Children's Hospital of Pittsburgh

FACULTY

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Occupational Therapist OTR UPMC Children's Hospital of Pittsburgh

Rajesh K. Aneja, MD

Medical Director, Pediatric Intensive Care Unit UPMC Children's Hospital of Pittsburgh Associate Professor, Critical Care Medicine & Pediatrics University of Pittsburgh School of Medicine





FACULTY (CONTINUED)

Kelly Austin, MD

Pediatric General Surgeon

Director of Pediatric Colorectal Surgery

Surgical Director of the Pediatric Intensive Care Unit

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Associate Professor of Surgery & Director of the Surgical

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University of Pittsburgh School of Medicine

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Assistant Professor of Critical Care Medicine and Pediatrics

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Director, Pediatric Cardiac Critical Care

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UPMC Children's Hospital of Pittsburg

Andrew R. Brantner, BS, RRT-NPS, NRP

ECMO Specialist

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Director of Cardiac MRI and CT

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Assistant Professor

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Joseph T. Church, MD

Assistant Professor of Surgery

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Division of Pediatric General and Thoracic Surgery

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UPMC Children's Hospital of Pittsburgh

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ECMO Specialist

UPMC Children's Hospital of Pittsburgh

Samantha Dececco, RN

ECMO Specialist

UPMC Children's Hospital of Pittsburgh

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Pediatric Critical Care Medicine

UPMC Children's Hospital of Pittsburgh

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ECMO Specialist

UPMC Children's Hospital of Pittsburgh

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Alyc Hall, BSN, RN, CCRN

Pediatric Intensive Care Unit

UPMC Children's Hospital of Pittsburgh

Jenna Harper, BS, BSN, RN, CCRN

Expert Staff Nurse

UPMC Children's Hospital of Pittsburgh

Pediatric Intensive Care Unit

Gavin Hickey, MD

Heart Failure & Transplantation Cardiology, Pulmonary

Hypertension Cardiologist

Medical Director of the Ventricular Assist Device Program

Program Director of Advanced Heart Failure

and Transplant

Associate Director of the Pulmonary

Hypertension Fellowship

Chair of the Cardiogenic Shock Committee

Assistant Professor of Medicine

University of Pittsburgh School of Medicine

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UPMC Children's Hospital of Pittsburgh

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Division of Newborn Medicine,

UPMC Children's Hospital of Pittsburgh

UPMC Magee-Women's Hospital

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UPMC Children's Hospital of Pittsburgh

Nahmah Kim-Campbell, MD

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University of Pittsburgh School of Medicine

UPMC Children's Hospital of Pittsburgh

Leslie Konyk, MSN, RN, CCRN

Unit Director, Pediatric Intensive Care Unit







FACULTY (CONTINUED)

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Creative and Expressive Arts Therapist III, Music Therapist Music Therapy Internship Director UPMC Children's Hospital of Pittsburgh

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Medical Director - Ventricular Assist Device Program Medical Director - Dr. Bill Neches Heart Camp for Kids UPMC Children's Hospital of Pittsburgh





CONTINUING MEDICAL EDUCATION CREDIT

Accreditation and Designation Statement

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 16.25 AMA PRA Category 1 CreditsTM. 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 16.25 contact hours.

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.

DISCLAIMER STATEMENT

The information presented at this program represents the views and opinions of the individual presenters, and does not constitute the opinion or endorsement of, or promotion by, the UPMC Center for Continuing Education in the Health Sciences, UPMC / University of Pittsburgh Medical Center or Affiliates and University of Pittsburgh School of Medicine. Reasonable efforts have been taken intending for educational subject matter to be presented in a balanced, unbiased fashion and in compliance with regulatory requirements. However, each program attendee must always use his/her own personal and professional judgment when considering further application of this information, particularly as it may relate to patient diagnostic or treatment decisions including, without limitation, FDA-approved uses and any off-label uses.

FACULTY DISCLOSURE

All individuals in a position to control the content of this education activity have disclosed all financial relationships with any companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.

All of the relevant financial relationships for the individuals listed below have been mitigated

Ericka Fink, MD

Grant/Research Support: National Institutes of Health, Neurocritical Care Society

Other: American Board of Pediatrics PCCM Subcommittee

No other members of the planning committee, speakers, presenters, authors, content reviewers and/or anyone else in a position to control the content of this education activity have relevant financial relationships with any companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.





OCT. 5, 2022 (DAY 1)

10:30 a.m. Welcome

Melita Viegas, MD

10:35 a.m. ECMO at CHP: This is How We Do It

Melita Viegas, MD

Marit Aspenleiter, BS, CCP

11:00 a.m. ECMO Specialist Training at CHP

Bailey Commander, BSN, RN, PHRN, CCRN

11:20 a.m. Anticoagulation: Pick Your Guideline

Holly Fogle, RN, BSN, CCRN

11:40 a.m. to 12:30 p.m. - ECMO Management per

Patient Population

11:40 a.m. NICU

Burhan Mahmood, MD

12:10 p.m. PICU

Nahmah Kim-Campbell, MD

12:35 p.m. CICU

Joan Sanchez de Toledo, MD

1-1:30 p.m. - Lunch

1:30 p.m. CDH Update

Joseph Church, MD

2 p.m. Chasing Platinum: What We've Learned

on our Journey to Platinum Status

Marit Aspenleiter, BS, CCP

2:15 p.m. VV ECMO for the Pediatric Patient

Mario Castro-Medina, MD

2:45 p.m. Simulation: Cervical Cannulation for ECMO

Mario Castro-Medina, MD

3:15 p.m. Panel Discussion:

Patient and Family Support Before,

During and After ECMO

Sara Rubin, MD

Taylor Huntington, MD

James Sabia, DNP, RN, CCRN

Alyc Hall, BSN, RN, CCRN

Ty Tracy, BSN, RN, CCRN

Daniela Ortega Peraza, MS, CCLS

Robin Telles, MS, MT-BC, NICU-MT

Nicole Steele, MS, MT-BC, NICU-MT

3:45 p.m. ECMO and Ethics: 2ND Victims Syndrome-

How to Protect the Providers

Scott Maurer, MD

Carol May RN, MSN, MBA, CHPN

Alyc Hall, BSN, RN, CCRN Ty Tracy, BSN, RN, CCRN

Samantha Dececco, RN

Megan Coyne, BS, CRT, NRP, PALS, ACLS

Dan Ross, CCP, LP

4:15 p.m. Let's Get Physical: PT/OT for

ECMO/MCS Patients

Brittany Amori, OTR/L Caitlin Jenkins, DPTT

Dan Ross, CCP, LP

4:45 p.m. Adjournment

UPMC CHILDREN'S HEART INSTITUTE

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OCT. 6, 2022 (DAY 2)

10:30 a.m. Welcome

Marit Aspenleiter, BS, CCP

10:35 a.m. Let's All Play Nice in the Sandbox:

Appreciating Your Multidisciplinary

ECMO Team

Rod Ghassemzadeh, MD

11 a.m. In-Hospital Cardiac Arrest -

Are you ready for ECPR?

Melita Viegas, MD

11:30 a.m. Can I Be Included? Inclusion Criteria for

ECMO for Out of Hospital Arrest – LR

Rajesh Aneja, MD

Noon ECPR: Adult and Pediatric Experiences

Amber Palmer, MS, CCP Jim Sabia, DNP, RN, CCRN David Palmer, EdD, CCP, LP

1 p.m. Lunch

1:45 p.m. CRRT and ECMO

Leslie Konyk, RN

Jenna Harper, BS, BSN, RN, CCRN

2:15 p.m. Tandem CRRT & Pheresis on ECMO

James Sabia, DNP, RN, CCRN

2:35 p.m. Circuit Tolerance: Medication Dosing

for ECMO

Kevin Ordons, PharmD, BCPS, BCCCP

2:55 p.m. Imaging on ECMO for Congenital

Heart Disease

Adam Christopher, MD

3:15 p.m. ECHOs on ECMO: What the Function?

Melita Viegas, MD Matthew Bochkoris, MD Adam Christopher, MD Joan Sanchez De Toledo, MD

Matthew Zinn, DO Justin Yeh, MD

3:45 p.m. ECMO with a Side of Impella

Gavin Hickey, MD

4:15 p.m. ECMO for the Hypoplastic Left Heart

Melita Viegas, MD

4:45 p.m. Adjournment

OCT. 7, 2022 (DAY 3)

10:30 a.m. Welcome

Melita Viegas, MD

10:35 a.m. Is ECMO on the Menu?:

Ordering ECMO for High Risk Procedures

Kelly Austin, MD

11 a.m. ECMO for Trauma

Paul Waltz, MD

11:30 a.m. Trauma and ECMO: Case Discussion

Mario Castro Medina, MD

Noon ECMO Follow Up

Ericka Fink, MD

12:30 p.m to 1 p.m. - Lunch

1 p.m. Bloodstream Infections on ECMO

Zachary Alderwald, MD

1:30 to 3:00 p.m. - Fire Side Chats - Trouble Shooting on ECMO

CICU

Matt Bochkoris, MD

Joan Sanchez De Toledo, MD

NICU

Nahmah Kim-Campbell, MD

PICU

Burhan Mahmood, MD John Ibrahim, MD

3 p.m. If You Build it, They Will Come:

Recruiting your ECMO Specialist Team

Marit Aspenleiter, BS, CCP

3:30 p.m. Combined MCS Therapies

Melita Viegas, MD

4 p.m. Adjourn



