

**UCLA**

**David Geffen School of Medicine**  
Office of Continuing Medical Education

# 2023 UCLA Extracorporeal Membrane Oxygenation (ECMO) and Life Support Symposium

*An In-Person and Live Virtual Activity*

**With Special Keynote Address from ECMO Founder Dr. Robert Bartlett**



**Saturday, January 28, 2023**

Tamkin Auditorium (B Level)  
Ronald Reagan UCLA Medical Center  
Los Angeles, California

**UCLA Health**

**UCLA**



**Childrens Hospital**

# 2023 UCLA Extracorporeal Membrane Oxygenation (ECMO) and Life Support Symposium

## *An In-person and Live Virtual Activity*

### Course Description

This one-day conference provides an introduction to extracorporeal membrane oxygenation and life support (ECMO/ECLS) for patients with respiratory or cardiac failure. We will provide an overview of indications, applications, management and the unique challenges associated with caring for patients on ECLS. Distinguished faculty from a variety of medical specialties (critical care, cardiac surgery, pediatrics, cardiology, pulmonology and medical ethics) will present up to date information in the areas of ECLS.

The conference also includes ample time for participant involvement in the form of question and answer sessions, case presentations, panel discussions and a pro-con debate.

### Target Audience

This course is targeted towards practitioners both in community and academic practice who care for critically ill patients who may require ECLS support for respiratory or cardiac failure. Trainees, including fellows and residents, in addition to allied health professionals such as ECMO specialists/clinicians, nurse practitioners, registered nurses, pharmacists, social workers, dieticians, and respiratory therapists, will gain valuable and applicable knowledge.

### Course Objectives:

Following completion of the course, attendees should be able to:

- Discuss specific criteria to identify patients who are appropriate candidates for ECLS
- Provide education and have meaningful conversations with patients and families about the risks and benefits of initiating ECLS
- Review the current uses and applications of modern ECLS for patients with respiratory or cardiac failure including the basic physiologic principles underlying its use
- Identify cannulation strategies and ECLS circuit components and the rationale behind selection of specific cannulation techniques
- Describe unique considerations regarding management of ECLS in the pediatric and neonatal population
- Recognize the psychosocial challenges including ethical considerations, as well as the importance of a multidisciplinary care team approach for ELCS patients

### Keynote Address from ECMO Founder Dr. Robert Bartlett



Dr. Robert (Bob) Bartlett is known as the father of Extracorporeal Membrane Oxygenation (ECMO) worldwide for his pioneering work in developing ECMO technology and introducing ECMO into clinical practice. Dr. Bartlett saved the life of the first neonate ECMO patient, Esperanza, in 1975 after she developed acute respiratory failure due to meconium aspiration syndrome and was supported for three days on Dr. Bartlett's ECMO machine until recovery. In 1989 Dr. Bartlett established the Extracorporeal Life

Support Organization (ELSO) – an international ECMO authority. At present, Dr. Bartlett focuses his efforts on ECMO research at the University of Michigan and teaching and sharing his experience with healthcare teams worldwide.

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and Life Support Symposium**  
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**Saturday, January 28, 2023**

7:00 Registration & Breakfast

8:00 Welcome & Introduction

**SESSION 1: FOUNDATIONS**

8:05 ECMO Principles in Respiratory Failure  
*Vadim Gudzenko, MD*

8:30 ECMO Principles in Heart Failure  
*Joseph S. Meltzer, MD*

8:55 Keynote Address – ECMO: Where We Are, Where We Are Going  
*Robert Bartlett, MD*

9:35 Question & Answer Panel

9:50 Coffee Break and Visit Exhibitions

**SESSION 2: MODERN APPLICATION**

**BREAKOUT A: ADULT ECMO SECTION**

10:05 Modern Application of ECMO in Adult Respiratory Failure  
*Nida Qadir, MD*

10:25 Role of ECMO/ECLS in Acute Cardiogenic Shock  
*Ali Nsair, MD*

10:45 Modern ECMO Use in Transplantation  
*Abbas Ardehali, MD*

11:05 Question & Answer Panel

**BREAKOUT B: PEDIATRIC ECMO SECTION**

10:05 ECMO Support and Cannulation in Neonates  
*Meena Garg, MD*

10:25 ECMO Support in Congenital Heart Failure and Transplant  
*Ming-Sing M. Si, MD*

10:45 Current Trends in Pediatric ECMO  
*Neeraj Srivastava, MD*

11:05 Question & Answer Panel

11:20 Lunch

**SESSION 3: NEWEST DEVELOPMENTS**

12:20 What We Learned from COVID  
*Iheanacho O. Emeruwa, MD*

12:40 Periprocedural ECMO  
*Murray H. Kwon, MD*

12:55 ECPR for OHCA  
*Marisa Hernandez-Morgan, MD*

1:15 Ethical Challenges of Modern ECMO Care  
*Neil S. Wenger, MD*

1:35 Question & Answer Panel

1:50 Coffee Break and Visit Exhibitions

2:05 Mobile ECMO  
*Peyman Benharash, MD*

2:25 Pro-Con Debate: Every Hospital Should Have An ECMO Program  
*Joseph S. Meltzer, MD & Anahat Dhillon, MD*

2:55 Patient's Experience

3:55 Coffee Break

**SESSION 4: PATIENT MANAGEMENT**

4:10 Anticoagulation Management  
*TBA*

4:25 ECMO Complications  
*Michael W. Wolfe, MD*

4:40 Challenges of Nursing Care  
*Michelle Rodriguez, BSN, RN, CCRN-CSC, NE-BC*

5:00 Liberation from ECMO  
*Vadim Gudzenko, MD*

5:15 Question & Answer Panel

5:30 Closing Remarks & Adjourn

# FACULTY

## COURSE DIRECTORS

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### **Vadim Gudzenko, MD**

Clinical Professor of Anesthesiology  
Medical Director Adult ECMO Program  
Ronald Reagan UCLA Medical Center

### **Peyman Benharash, MD**

Associate Professor-in-Residence of Surgery  
and Bioengineering  
Surgical Director of Adult ECMO Program  
Ronald Reagan UCLA Medical Center

### **Weiting Chen, RN, BSN, CCRN, CSC**

ECMO Coordinator  
Cardiac Perfusion Services  
Ronald Reagan UCLA Medical Center

### **Marisa Hernandez-Morgan, MD**

Assistant Clinical Professor of  
Anesthesiology  
Ronald Reagan UCLA Medical Center

## FACULTY

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### **Abbas Ardehali, MD, FACS**

Professor of Surgery and Medicine  
Division of Cardiothoracic Surgery  
William E. Connor Endowed Chair in  
Cardiothoracic Transplantation  
Director, UCLA Heart, Lung, and  
Heart-Lung Transplant Programs  
David Geffen School of Medicine at UCLA

### **Anahat Dhillon, MD**

Clinical Associate Professor of  
Anesthesiology  
Vice Chair of Quality and Safety  
Medical Director – CVICU  
Keck School of Medicine of USC

### **Iheanacho O. Emeruwa, MD**

Clinical Instructor  
Division of Pulmonary and Critical Care  
Medicine  
David Geffen School of Medicine at UCLA

### **Meena Garg, MD**

Health Sciences Clinical Professor of  
Pediatrics  
Division of Neonatal - Perinatal Medicine  
Ronald Reagan UCLA Medical Center

### **Murray H. Kwon, MD, MBA**

Associate Clinical Professor  
Division of Cardiac Surgery  
David Geffen School of Medicine at UCLA

### **Joseph Meltzer, MD**

Clinical Professor of Anesthesiology  
CTICU Medical Director  
Ronald Reagan UCLA Medical Center

### **Ali Nsair, MD**

Medical Director, Heart Transplantation  
and Mechanical Circulatory Support Device  
Services  
Heart Failure  
Interventional Cardiology  
Broad Stem Cell Research Center

### **Nida Qadir, MD**

Associate Professor of Medicine  
Associate Director of the Medical Intensive  
Care Unit  
Ronald Reagan UCLA Medical Center

### **Michelle Rodriguez, BSN, RN, CCRN- CSC, NE-BC**

Assistant Unit Director and Clinical  
Educator  
Cardiothoracic Intensive Care Unit  
Ronald Reagan UCLA Medical Center

### **Ming-Sing M. Si, MD**

Associate Professor of Surgery  
Children's Heart Center at UCLA

### **Neeraj Srivastava, MD**

Pediatric ECMO Director  
Ronald Reagan UCLA Medical Center

### **Neil S. Wenger, MD, MPH**

Professor, Department of Medicine  
Chair, Ethics Committee  
Ronald Reagan UCLA Medical Center

### **Michael W. Wolfe, MD**

Assistant Clinical Professor of  
Anesthesiology  
Ronald Reagan UCLA Medical Center

# 2023 UCLA Extracorporeal Membrane Oxygenation (ECMO) and Life Support Symposium

**An In-person and Live Virtual Activity**

**SATURDAY, JANUARY 28, 2023**

## Course Fees

In-Person Registration: \$80

Virtual Registration: \$50

In-Person or Virtual – Resident/Trainee  
Registration: \$25

## Location

Ronald Reagan UCLA Medical Center  
Tamkin Auditorium (B-Level)  
757 Westwood Plaza  
Los Angeles, CA 90095

## Directions

From the 405 freeway, exit Wilshire Blvd., East toward Westwood. Turn left on Westwood Blvd., travel past Charles E. Young Dr. South and turn left on Structure 8 driveway. Drive up the ramp to the rooftop level to park. Please pay for parking at the pay-by-plate parking machine located on the roof of Lot 8. Participants are to pay their own parking charges at a rate of \$14 per vehicle.

The Ronald Reagan UCLA Medical Center is located on the corner of Westwood Plaza and Charles E. Young Dr. South. The Tamkin Auditorium is located on the B-level of the Ronald Reagan hospital.

## Refunds

Cancellations must be received **December 15, 2022** by email to [uclacme@mednet.ucla.edu](mailto:uclacme@mednet.ucla.edu). No refunds will be given after that date. If, for any reason, the course must be canceled, discontinued, or rescheduled by the Office of Continuing Medical Education, a full refund will be provided.

## In-person attendees will be provided breakfast, lunch and refreshments at the conference.

The 2023 UCLA ECMO Symposium will also be available through a live virtual meeting web platform.

- Attendees who choose to attend the live virtual activity will receive a virtual meeting link and password to access the live virtual conference.
- All registrants (live or virtual) will be provided the opportunity to review recorded sessions up to 3 weeks following the conference.
- Attendees will be awarded CME credit commensurate with the extent of their participation in the live activity (either in-person or virtual). The recorded sessions are not certified for CME credit. There will be no additional cost for the CME credit.
- Proof of vaccination and mask will be required to attend the in-person activity.

## Enrollment:

We accept Visa, MasterCard, American Express, and Discover credit cards.

To register using a credit card or ACH/electronic transfer, please visit <https://www.cme.ucla.edu/courses/ecmo2023>

\*Credit card and check payments via phone, fax, or mail are no longer accepted.

## Questions

If you have questions about enrollment, please call (310) 794-2620 or email: [uclacme@mednet.ucla.edu](mailto:uclacme@mednet.ucla.edu).

## Early registration is recommended, as space is limited.

## Accreditation Statement

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, designates this live activity for a maximum of 7.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California State Board of Registered Nursing accepts courses approved for the *AMA PRA Category 1 Credits™* as meeting the continuing education requirements for license renewal. Nurses from states other than California should inquire with their local State Board for specific continuing education policies.

## Disclosure Statement

The FDA has issued a concept paper that classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is truly independent and free of commercial influence. In addition to independence, the FDA requires that non-promotional, commercially supported education be objective, balanced and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program's participants. In addition, Accreditation Council for Continuing Medical Education policy mandates that the provider adequately manage all identified potential conflicts of interest prior to the program. UCLA fully endorses the letter and spirit of these concepts.

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**Please visit our website for other  
UCLA CME offerings at [www.cme.ucla.edu](http://www.cme.ucla.edu).**

Course Title and Number

(Course ID: C00803)

## **2023 UCLA Extracorporeal Membrane Oxygenation (ECMO) and Life Support Symposium**

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(Proof of vaccination and mask will be required to attend the in-person meeting.)

This conference will be held as an in-person conference as well as a virtual activity.

**In Person – \$80      Virtual – \$50**

**In-Person or Virtual – Resident/Trainee Registration – \$25**

We accept Visa, MasterCard, American Express, and Discover credit cards.

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