

NOVEMBER 12-15, 2019
UNIVERSITY OF IOWA HOSPITALS AND CLINICS 200 Hawkins Drive, Iowa City, IA

Provided by: University of Iowa Heart and Vascular Center, University of Iowa Health Care



GENERAL INFORMATION

INTENDED AUDIENCE

Physicians, Nurses, Respiratory Therapists, Chronic Care Professional and other health care providers who provide direct care for patients supported on extracorporeal membrane oxygenation devices.

OBJECTIVES

Upon completion of this program the learner should be able to:

- Identify key concepts of ECMO methodology and physiology
- Demonstrate effectively how to use varying mechanical circulatory equipment used in ECMO
- Differentiate between multiple cannulation strategies and identify the risks associated with cannulation procedures
- Describe the process for selecting cannulas
- Identify and apply underlying principles necessary for proper patient management
- Outline the need for anticoagulation in ECMO
- Determine adequacy of ECMO support for both VA & VV ECMO
- List the methods for LV unloading
- Explain the role of vasoactive/inotropic medications in VA ECMO
- Interpret patient laboratory data and formulate appropriate interventions
- Describe weaning and trialing criteria for both VA & VV ECMO
- Recognize medical and mechanical emergency and identify strategies to prevent and/or manage
- Identify caregiver roles
- Integrate closed-loop communication
- List the benefits of awake ECMO
- List the benefits of mobility on ECMO

- Practice bedside technical and assessment skills
- Demonstrate an understanding of patient populations appropriate for ECMO support

LOCATION

The training course will take place in the University of Iowa Hospitals and Clinics (200 Hawkins Drive, Iowa City, IA 52242).

- Didactics: 4999 JPP (the Heart and Vascular Center Conference Room)
- Simulations: 7th floor JPP in the Simulation Lab

PARKING

For information on parking at University of Iowa Hospitals and Clinics go to: uihc.org/parking-and-map

HOTEL

Hilton Garden Inn Iowa City Downtown University 328 S Clinton St Iowa City, IA 52240

Phone: 319/248-6100

The room rate is \$139 excluding taxes. Registrants are responsible for making their own arrangements and may do so by contacting hotel reservations at (319) 248-6100. When making room reservations, be sure to state you are attending the "ECMO Training Program" in order to receive the special conference room rate. The conference rate will be available until October 12, 2019. There will be a free shuttle for the participants to take from the hotel to the hospital each day.

Book online at: hiltongardeninn.hilton. com/en/gi/groups/personalized/I/IOWDOGI-FCO-20191111

AIR TRANSPORTATION

- The Eastern Iowa (Cedar Rapids Airport is located two miles west of I-380, approximately 20 miles north of Iowa City. Car rentals are available at the airport.
- The Quad Cities (Moline, Illinois Airport is located approximately 55 miles east of Iowa City on I-74 just off I-80. Car rentals are available at the airport.

GROUND TRANSPORTATION

For information on ground transportation from the Eastern Iowa Airport go to: flycid.com/ground-transportation

CONTINUING EDUCATION CREDIT

The University of Iowa Roy J. and Lucille A. Carver College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Physician: The University of Iowa Roy J. and Lucille A. Carver College of Medicine designates this live activity for a maximum of 23.25 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nurse: 23.25 contact hours will be granted by University of Iowa Hospitals and Clinics Department of Nursing (IBN Approved Provider #34). Participants must attend the entire program to receive full credit.

Questions concerning nursing credits should be directed to the Nursing Clinical Education Center at (319) 356-4304.

Determination of educational content for this program and the selection of speakers are responsibilities of the program directors. Firms providing financial support did not have input in these areas.

DISCLOSURE POLICY: Everyone in a position to control the content of this educational activity will disclose to the CME provider and to attendees all relevant financial relationships with any commercial interest.

The University of Iowa prohibits discrimination in employment, educational programs, and activities on the basis of race, creed, color, religion, national origin, age, sex, pregnancy, disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, associational preferences, or any other classification that deprives the person of consideration as an individual. The university also affirms its commitment to providing equal opportunities and equal access to university facilities. For additional information on nondiscrimination policies, contact the Director, Office of Equal Opportunity and Diversity, the University of Iowa, 202 Jessup Hall, Iowa City, IA, 52242-1316, 319-335-0705 (voice), 319-335-0697 (TDD), diversity@uiowa.edu.

Individuals with disabilities are encouraged to attend all University of Iowa sponsored events. If you are a person with a disability who requires an accommodation in order to participate in this program, please contact the Continuing Medical Education Division in advance at 319-335-8599 or the ECMO Program at 319-356-3192.

FOR ADDITIONAL INFORMATION, CALL 319-356-3192

ECMO TRAINING COURSE AGENDA

Adjourn

4:00

Tues	day, November 12, 2019	Wednesday, November 13, 2019		
7:30 AM Registration Jennifer Crumley, MSN, RN		8:00 AM VA ECMO and Cardiac Failure Lovkesh Arora, MBBS		
8:00	Welcome, History, and Overview Jennifer Crumley, MSN, RN	8:40	Cannulation Sharon Beth Larson, DO, MS, FACOS	
8:40	Introduction to ECMO Kevin Doerschug, MD	9:20	Anticoagulation Archit Sharma, MBBS	
9:20	Physiology of ECMO	10:00	Break	
10:00	Gregory Schmidt, MD Break	10:20	Patient Management Kristina Rudolph, BSN, RN	
10:20	VV ECMO and Respiratory Failure	11:20	Case Reviews Jennifer Crumley, MSN, RN	
	Kevin Doerschug, MD	12:00 PM LUNCH		
11:20	ECMO Components and Circuitry Kristina Rudolph, BSN, RN	1:00	Hands-On: Pump Review Jennifer Crumley, MSN, RN Kristina Rudolph, BSN, RN	
12:00 PM LUNCH		1:30	Simulations (1-3)	
1:00	Introduction to Simulations Jennifer Crumley, MSN, RN		Jennifer Crumley, MSN, RN Kristina Rudolph, BSN, RN	
1:20	Chaos Simulation/Debriefing Jennifer Crumley, MSN, RN Elizabeth Moore, MBA, RN, BSN Kristina Rudolph, BSN, RN	3:15	Break	
		3:30	Jeopardy Jennifer Crumley, MSN, RN Kristina Rudolph, BSN, RN	
2:00	Hands-On Circuit Review (Rotaflow/Cardiohelp/ Centrimag) Jennifer Crumley, MSN, RN Kristina Rudolph, BSN, RN	4:00	Adjourn	
3:00	Break			
3:15	Hands-On Circuit Review (Rotaflow/Cardiohelp/ Centrimag) Jennifer Crumley, MSN, RN Kristina Rudolph, BSN, RN			

Thursday, November 14, 2019

8:00 AMProgram Development

Elizabeth Moore, MBA, RN, BSN

Mobility and ECMO

Alex Mark, DPT

ECMO Emergencies

Jonathan Simmons, DO

10:00 Break

8:40

9:20

10:20 Case Reviews

Jennifer Crumley, MSN, RN

Kristina Rudolph, BSN, RN

11:20 Ethics

Aditya Badheka, MBBS, MS

12:00 PM LUNCH

1:00 Hands-On: Pump Review
Jennifer Crumley, MSN, RN

Kristina Rudolph, BSN, RN

1:30 Simulations (4-7)

Jennifer Crumley, MSN, RN

Kristina Rudolph, BSN, RN

3:15 Break
3:30 Jeopardy

Jennifer Crumley, MSN, RN

Kristina Rudolph, BSN, RN

4:00 Adjourn

Friday, November 15, 2019

8:00 AMHands-On: Pump Review

Jennifer Crumley, MSN, RN Kristina Rudolph, BSN, RN

8:30 Simulations (7-10)

Jennifer Crumley, MSN, RN Kristina Rudolph, BSN, RN

12:00 PM LUNCH

1:00 Exam

COURSE FACULTY



Lovkesh Arora, MBBS Clinical Associate Professor and ECMO Medical Director Department of Anesthesia



Elizabeth A Moore, MBA, RN, BSNAssociate Director
Heart and Vascular Center



Aditya Badheka, MBBS, MS Clinical Assistant Professor Stead Family Department of Pediatrics – Critical Care Medical Director, PICU



Kristina Rudolph, BSN, RN ECMO Course Coordinator Heart and Vascular Center



Jennifer Crumley, MSN, RN ECMO Course Coordinator Heart and Vascular Center



Gregory Schmidt, MD
Professor
Department of Internal Medicine
- Pulmonary, Critical Care and
Occupational Medicine
Director, Critical Care Programs
Associate Chief Medical Officer



Kevin Doerschug, MD, MS Clinical Professor Department of Internal Medicine -Pulmonary



Archit Sharma, MBBS Clinical Assistant Professor Department of Anesthesia – Cardiothoracic Anesthesia, Critical Care Medicine, and Transplant Anesthesia



Sharon Beth Larson, DO, MS, FACOS Clinical Assistant Professor and ECMO Surgical Director Department of Surgery-Cardiothoracic Surgery



Jonathan Simmons, DO Clinical Associate Professor Departments of Anesthesia and Emergency Medicine Surgical Director, CVICU Medical Director, Special Isolation Unit



Alex Mark, DPTSenior Physical Therapist
Department of Rehabilitation
Therapies

ECMO Training Course November 12-15, 2019

REGISTRATION

Print	t clearly	Name				
		Address				
Primary Degree Specialty		City				
		PhoneE-mail				
		Company or Business Name				
For Office Use Only PN 32487						
	GISTRATION udes all catego	I FEES pries of fees, tickets for activities, meals, receptions	s, etc.			
Full	Full Registration \$2500 \$					
UI Employee Full Registration \$500 \$						
UI E	UI Employee Lecture Only \$300 \$					
ME	THOD OF P	AYMENT				
		check made payable to v of Iowa in the amount of	\$			

TWO WAYS TO REGISTER



Online: medicine.uiowa.edu/cme and click on Upcoming Programs



Mail (Checks Only):

University of Iowa Carver College of Medicine Continuing Medical Education Division 100 Medicine Administration Building Iowa City, Iowa 52242-1101