



## Course Agenda:

### Tuesday, May 4<sup>th</sup>, 2020

- 0730 Registration**  
Jennifer Crumley, MSN, RN
- 0800 Welcome, History, and Overview**  
Jennifer Crumley, MSN, RN
- 0840 Introduction to ECMO**  
Nick Mohr, MD, MS
- 0920 ECMO Components and Circuitry**  
Kristina Rudolph, BSN, RN
- 1000 Break**
- 1020 VV ECMO and Respiratory Failure**  
Kevin Doerschug, MD
- 1120 Physiology of ECMO**  
Gregory Schmidt, MD
- 1200 LUNCH**
- 1300 Introduction to Simulations**  
Jennifer Crumley, MSN, RN
- 1320 Chaos Simulation/Debriefing**  
Jennifer Crumley, MSN, RN & Kristina Rudolph, BSN, RN
- 1400 Hands-On Circuit Review (Rotaflow/Cardiohelp)**  
Jennifer Crumley, MSN, RN & Kristina Rudolph, BSN, RN
- 1500 Break**
- 1515 Hands-On Circuit Review (Rotaflow/Cardiohelp)**  
Jennifer Crumley, MSN, RN; Kristina Rudolph, BSN, RN
- 1600 Adjourn**



**Wednesday, May 5<sup>th</sup>, 2020**

- 0800 Cannulation**  
Sharon Beth Larson, DO, MS, FACOS
- 0840 Case Reviews**  
Jennifer Crumley, MSN, RN
- 0920 Anticoagulation**  
Archit Sharma, MBBS
- 1000 Break**
- 1020 Patient Management**  
Kristina Rudolph, BSN, RN
- 1120 VA ECMO and Cardiac Failure**  
Lovkesh Arora, MBBS
- 1200 LUNCH**
- 1300 Hands-On: Pump Review**  
Jennifer Crumley, MSN, RN; Kristina Rudolph, BSN, RN
- 1330 Simulations (1-3)**  
Jennifer Crumley, MSN, RN; Kristina Rudolph, BSN, RN
- 1515 Break**
- 1530 Jeopardy**  
Jennifer Crumley, MSN, RN
- 1600 Adjourn**



### **Thursday, May 6<sup>th</sup>, 2020**

- 0800 Program Development**  
Elizabeth Moore, MBA, RN, BSN
- 0840 Mobility and ECMO**  
Alex Mark
- 0920 ECMO Emergencies**  
Jonathan Simmons, DO
- 1000 Break**
- 1020 Case Reviews**  
Jennifer Crumley, MSN, RN
- 1120 Ethics**  
Aditya Badheka, MBBS, MS
- 1200 LUNCH**
- 1300 Hands-On: Pump Review**  
Jennifer Crumley, MSN, RN; Kristina Rudolph, BSN, RN
- 1330 Simulations (4-7)**  
Jennifer Crumley, MSN, RN; Kristina Rudolph, BSN, RN
- 1515 Break**
- 1530 Jeopardy**  
Jennifer Crumley, MSN, RN
- 1600 Adjourn**

### **Friday, May 7<sup>th</sup>, 2020**

- 0800 Hands-On: Pump Review**  
Jennifer Crumley, MSN, RN; Kristina Rudolph, BSN, RN
- 0830 Simulations (7-10)**  
Jennifer Crumley, MSN, RN; Kristina Rudolph, BSN, RN
- 1200 LUNCH**
- 1300 Exam**



## OBJECTIVES:

1. Identify key concepts of ECMO methodology and physiology
2. Recognize medical and mechanical emergency and identify strategies to prevent and/or manage
3. Demonstrate an understanding of patient populations appropriate for ECMO support
4. Identify and apply underlying principles necessary for proper patient management
5. Demonstrate effectively how to use varying mechanical circulatory equipment used in ECMO
6. Interpret patient laboratory data and formulate appropriate interventions
7. Describe weaning and trialing criteria for both VA & VV ECMO
8. Determine adequacy of ECMO support for both VA & VV ECMO
9. Identify caregiver roles
10. Integrate closed-loop communication
11. Practice bedside technical and assessment skills
12. Differentiate between multiple cannulation strategies and identify the risks associated with cannulation procedures
13. Describe the process for selecting cannulas
14. List the benefits of awake ECMO
15. List the benefits of mobility on ECMO
16. Outline the need for anticoagulation in ECMO
17. List the methods for LV unloading
18. Explain the role of vasoactive/inotropic medications in VA ECMO

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.



### **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 23.00 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Nurse:** As of March 18, 2020, Iowa nurses may use participation in ACCME-accredited education toward their CE requirement for licensure without individual review. A certificate of participation will be available after successful completion of the course. Please review the Iowa Board of Nursing's website for more information.

### **TEXTING ATTENDANCE**

If this is the first time you are texting your attendance, you must first pair your mobile number to your account. Text your @uiowa email address to (844) 980-0525. You will receive a text notification indicating your phone number has been updated.

Once your account is paired to your mobile number and you have obtained the event code, send the code via text to: (844) 980-0525.

**Please note,** attendance can only be recorded 15 mins. prior to the activity start time and during the activity. Please text your attendance on the first day, May 4. You will need to text your attendance to gain access to the daily evaluation. You only need to text your attendance once. Do not text your attendance each day.

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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.