



Course Agenda:

Tuesday, November 9th, 2021

- 0730 Registration**
Jennifer Crumley, MSN, RN
- 0800 Welcome & ECMO Training Overview**
- 0840 Introduction to ECMO**
- 0920 ECMO Components and Circuitry**
- 1000 Break**
- 1020 Physiology of ECMO**
- 1110 VV ECMO and Respiratory Failure**
- 1200 LUNCH**
- 1300 Introduction to Simulations**
- 1320 Chaos Simulation/Debriefing**
- 1400 Hands-On Circuit Review (Rotaflow/Cardiohelp)**
- 1500 Break**
- 1515 Hands-On Circuit Review (Rotaflow/Cardiohelp)**
- 1600 Adjourn**



Wednesday, November 10th, 2021

- 0800 Cannulation**
- 0840 Anticoagulation**
- 0920 Case Reviews**
- 1000 Break**
- 1020 Patient Management**
- 1120 VA ECMO and Cardiac Failure**
- 1200 LUNCH**
- 1300 Hands-On: Pump Review**
- 1330 Simulations (1-3)**
- 1515 Break**
- 1530 Jeopardy**
- 1600 Adjourn**



Thursday, November 11th, 2021

- 0800 Program Development
- 0840 Mobility and ECMO
- 0920 ECMO Emergencies
- 1000 Break
- 1020 Case Reviews
- 1120 Ethics
- 1200 LUNCH
- 1300 Hands-On: Pump Review
- 1330 Simulations (4-7)
- 1515 Break
- 1530 Jeopardy
- 1600 Adjourn

Friday, November 12th, 2021

- 0800 Hands-On: Pump Review
- 0830 Simulations (7-10)
- 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.

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