Critical Care Echocardiography Review Course
Agenda
OLC Education & Conference Center
Rosemont, Illinois, USA
November 7-9, 2022

Learning Objectives:
1. Discuss relevant clinical topics and updates to increase knowledge base in critical care echocardiography
2. Assess the scientific foundations and literature evidence for using echocardiography in critically ill patients
3. Apply effective learning approaches, including case-based discussion and question review, to implement echocardiography in the critical care setting

Co-chairs:
Sara Nikravan, MD
Michael J. Lanspa, MD, MS, FASE, FCCM

Monday, November 7, 2022, 7:00 a.m. – 5:50 p.m.

6:15 a.m. – 7:00 a.m.
Registration

7:00 a.m. – 7:15 a.m.
Welcome and Introduction
Sara Nikravan, MD, FASE
Michael J. Lanspa, MD, MS, FASE, FCCM

7:15 a.m. – 7:30 a.m.
Overview of Course Agenda and NBE Examination Overview
Sara Nikravan, MD, FASE
Jan Kasal, MD, FASE, FCCM

7:30 a.m. – 8:10 a.m.
Fundamentals of Physics and Knobology
Daniel W. Johnson, MD, FCCM

8:10 a.m. – 8:50 a.m.
Concepts of Imaging, Artifacts, and Knobology
Vera Rigolin, MD, FASE

8:50 a.m. – 9:30 a.m.
Normal Transthoracic Examination
Vera Rigolin, MD, FASE

9:30 a.m. – 10:00 a.m.
Questions and Answers/Discussion
Daniel W. Johnson, MD, FCCM
Michael J. Lanspa, MD, MS, FASE, FCCM
Vera Rigolin, MD, FASE

10:00 a.m. – 10:15 a.m.
Break

10:15 a.m. – 10:55 a.m.
Transesophageal Echocardiography Views
Marcus Behrens, MD

10:55 a.m. – 11:35 a.m.
Left Ventricular Systolic Function
Daniel W. Johnson, MD, FCCM

11:35 a.m. – 12:15 p.m.
Left Ventricular Diastolic Function
Sara Nikravan, MD, FASE

12:15 p.m. – 1:15 p.m.
Lunch
Questions and Answers/Discussion
Marcus Behrens, MD
Daniel W. Johnson, MD, FCCM
Sara Nikravan, MD, FASE

1:15 p.m. – 1:55 p.m.
Evaluation of Right Ventricle
Sara Nikravan, MD

1:55 p.m. – 2:35 p.m.
Hemodynamics (Static Evaluation of Intracardiac Pressures)
Jan Kasal, MD, FASE, FCCM

2:35 p.m. – 3:15 p.m.
Volume Status and Fluid Responsiveness (Dynamic Evaluation)/Heart-Lung Interactions
Michael J. Lanspa, MD, MS, FASE, FCCM

3:15 p.m. – 3:45 p.m.
Questions and Answers/Discussion
Jan Kasal, MD, FASE, FCCM
Michael J. Lanspa, MD, MS, FASE, FCCM
Sara Nikravan, MD

3:45 p.m. – 4:00 p.m.
Break

4:00 p.m. – 4:40 p.m.
Ultrasound of the Lung and Pleura
Alberto Goffi, MD

4:40 p.m. – 5:20 p.m.
Respiratory Failure
Alberto Goffi, MD

5:20 p.m. – 5:50 p.m.
Questions and Answers/Discussion
Alberto Goffi, MD
Sara Nikravan, MD

Tuesday, November 8, 2022: 7:30 a.m. – 5:30 p.m.

7:00 a.m. – 7:30 a.m.
Registration

7:30 a.m. – 7:45 a.m.
Welcome and Introduction
Michael J. Lanspa, MD, MS, FASE, FCCM
Sara Nikravan, MD

7:45 a.m. – 8:15 a.m.
Pericardial Disease Including Tamponade
Brandon M. Wiley, MD, MS, FACE, FACC

8:15 a.m. – 8:55 a.m.
Shock
Jan Kasal, MD, FASE, FCCM

8:55 a.m. – 9:25 a.m.
Cardiac Arrest
Lisa Rapoport, MD, MS

9:25 a.m. – 9:55 a.m.
Questions and Answers/Discussion
Jan Kasal, MD, FASE, FCCM
Lisa Rapoport, MD, MS
Brandon M. Wiley, MD, MS, FACE, FACC

9:55 a.m. – 10:10 a.m.
Break

10:10 a.m. – 10:40 a.m.
Heart Failure and Cardiomyopathies
Courtney Bennett, DO, FACC

10:40 a.m. – 11:10 a.m.
Pulmonary Hypertension Syndromes Including Pulmonary Embolism
Michael J. Lanspa, MD, MS, FASE, FCCM

11:10 a.m. – 11:40 a.m.
The Aorta and Other Great Vessels
Courtney Bennett, DO, FACC

11:40 a.m. – 12:40 p.m.
Lunch
Questions and Answers/Discussion
Courtney Bennett, DO, FACC
Sara Nikravan, MD
Michael J. Lanspa, MD, MS, FASE, FCCM

12:40 p.m. – 1:10 p.m.
Acute Respiratory Distress Syndrome
Paul K. Mohabir, MD, FCCM

1:10 p.m. – 1:40 p.m.
Vascular Ultrasound
Lisa Rapoport, MD, MS

1:40 p.m. – 2:10 p.m.
Trauma Including Focused Assessment With Sonography Examination
Enyo Ablordeppey, MD, MPH, FACEP, FCCM

2:10 p.m. – 2:40 p.m.
Questions and Answers/Discussion
Lisa Rapoport, MD, MS
Enyo Ablordeppey, MD, MPH, FACEP, FCCM
Paul K. Mohabir, MD, FCCM

2:40 p.m. – 2:55 p.m.
Break

2:55 p.m. – 3:35 p.m.
Abdominal Ultrasound
Enyo Ablordeppey, MD, MPH, FACEP, FCCM

3:35 p.m. – 4:05 p.m.
Devices and Foreign Bodies
Brandon M. Wiley, MD, MS, FACE, FACC

4:05 p.m. – 4:45 p.m.
Ischemic Heart Disease and Left Ventricular Regional Function
Vincent L. Sorrell, MD, FACP, FACC, FASE

4:45 p.m. – 5:30 p.m.
Questions and Answers/Discussion
Enyo Ablordeppey, MD, MPH, FACEP, FCCM
Brandon M. Wiley, MD, MS, FACE, FACC
Vincent L. Sorrell, MD, FACP, FACC, FASE

**Wednesday, November 9, 2022: 7:30 a.m. – 12:30 p.m.**

**7:00 a.m. – 7:30 a.m.**
Registration

**7:30 a.m. – 7:45 a.m.**
Welcome and Introduction
Michael J. Lanspa, MD, MS, FASE, FCCM
Sara Nikravan, MD

**7:45 a.m. – 8:25 a.m.**
Aortic Valve Disease
John Kotter, MD

**8:25 a.m. – 9:05 a.m.**
Tricuspid and Pulmonic Valve
Cynthia Taub, MBA, MD

**9:05 a.m. – 9:45 a.m.**
Mitral Valve
John Kotter, MD

**9:45 a.m. – 10:15 a.m.**
Questions and Answers/Discussion
John Kotter, MD
Cynthia Taub, MBA, MD
Vince L. Sorrell, MD, FACP, FACC, FASE

**10:15 a.m. – 10:30 a.m.**
Break

**10:30 a.m. – 11:10 a.m.**
Intracardiac Masses Including Endocarditis
Cynthia Taub, MBA, MD

**11:10 a.m. – 11:50 a.m.**
Congenital Heart Disease in Adults
Vincent L. Sorrell, MD, FACP, FACC, FASE

**11:50 a.m. – 12:20 p.m.**
Questions and Answers/Discussion
Sara Nikravan, MD
Vincent L. Sorrell, MD, FACP, FACC, FASE
Cynthia Taub, MBA, MD
12:20 p.m. – 12:30 p.m.
Moving Forward/Adjournment
Michael J. Lanspa, MD, MS, FASE, FCCM
Sara Nikravan, MD