

Program

Friday, September 13, 2024

- 5:00 pm **Faculty Orientation, Briefing, Practice Scanning**
- 6:30 pm Adjournment

Saturday, September 14, 2024

(8.25 credits)

- 7:30 am Registration and Breakfast
- 8.00 am Welcome and Introduction

Hari Kalagara, MD

Airway, Lung, Gastric, Focused Assessment with Sonography for Trauma (FAST), DVT Ultrasound

Pre-Course eLearning (www.USabcd.org)

- Airway Ultrasound
- Basic Lung Ultrasound
- Ultrasound Assessment of Gastric Content
- Focused Assessment with Sonography for Trauma (FAST)
- Deep Vein Thrombosis (DVT)

Lecture

- 8:15 am Introduction to Gastric
- 8:30 am Introduction to FAST

Hands-On

- 8:45 am Concurrent Stations: Gastric and FAST
- 10:00 am Break

Lecture

- 10:15 am Introduction to Airway Exam
- 10:30 am Introduction to Lung Exam
- 10:45 am Introduction to DVT Exam

Hands-On

- 11:00 am Concurrent Stations: Airway, Lung and DVT
- 12:15 pm **Lunch**
- 1:15 pm Introduction to Gastric, FAST, Lung, Airway and DVT Clinical Scenarios
- 1:30 pm Clinical Scenario Hands-On Simulation
 - Presentation of a clinical scenario requiring POCUS (total of 5).
 - Case 1: Airway
 - Case 2: Lung
 - Case 3: Gastric 1 (Full Stomach/fluids)
 - Case 4: FAST
 - Case 5: DVT

A participant in each group is given 3 minutes to perform the exam and interpret their best images.

- The participant receives feedback.

The clinical scenario is revisited with a diagnosis and real-life images.

Focused Cardiac Ultrasound

Pre-Course eLearning (www.USabcd.org)

Basic Focus Assessed Transthoracic Echocardiography (FATE)

Lecture

2:15 pm Standard Cardiac Views and Inferior Vena Cava (IVC) Imaging

Hands-On

2:45 pm Concurrent Stations: Standard Cardiac Views
4:15 pm Break

Lecture

4:30 pm M-Mode in the Apical 4-Chamber View: Global Ventricular Function Assessment

Hands-On

4:45 pm Concurrent Stations: Repeat Standard Cardiac Views, MAPSE/TAPSE, Global Ventricular Function Assessment
6:00 pm Adjournment

Sunday, September 15, 2024

(5 credits)

7:30 am Registration and Breakfast

Focused Cardiac Ultrasound *(continued)*

Pre-Course eLearning (www.USabcd.org)

Basic Focus Assessed Transthoracic Echocardiography (FATE)

Lecture

8:00 am Trans Cranial Doppler (TCD)
8:15 am M-Mode in the Parasternal Long Axis View: Fractional Shortening, Mitral Septal Separation, and Aortic/Left Atrial Diameter

Hands-On

8:30 am Concurrent Stations: Repeat Standard Cardiac Views, Fractional Shortening, Mitral Septal Separation, and Aortic/Left Atrial Diameter
9:45 am Focused Echocardiography in Emergency Life Support (FEEL)
10:00 am FEEL protocol simulation/Clinical scenario
10:15 am Concurrent Stations: Practice obtaining subcostal (SC) view in <10 seconds and subcostal cardiac scanning along IVC
10:45 am Break

Lecture

11:00 am Clinical Scenarios and Basic Focus Assessed Transthoracic Echocardiography (FATE) Certification

Hands-On

- 11:15 am Concurrent Stations: Application of Focused Cardiac Ultrasound in the “Real World” and Basic FATE Certification
- Presentation of a clinical scenario requiring a focused cardiac ultrasound exam
 - One participant in each group performs a Basic FATE exam and is given 9 minutes (90 seconds per view) to perform and record their best images
 - That participant receives feedback (2-3 minutes) on image quality and how to better optimize views
 - The clinical scenario is revisited with a diagnosis and real-life ultrasound images of pathology
 - There are a total of 5 clinical scenarios/rotations, allowing each participant to be tested

Review and Certification

- 1:00 pm Q&A, Closing Remarks, and Basic FATE Certificate Issuance (*must be present to be certified*)
- 1:15 pm Free Scanning with Faculty (*optional*)
- 1:45 pm Airway/Lung/Gastric/FAST/DVT Refresher (*optional*)
- 2:00 pm Final Adjournment