

Program

Saturday, December 2, 2023

(8.25 credits)

7:30 am Registration and Breakfast

8.00 am Welcome and Introduction

Hari Kalagara, MD

Advanced FATE (Focus Assessed Transthoracic Echocardiography)

Pre-Course eLearning (www.USabcd.org)

Advanced Lung Ultrasound
Advanced FATE

Lectures

8:15 am Basic FATE views

8:30 am Extended FATE Views: Parasternal, Apical and Suprasternal

Hands-On

8:45 am Basic FATE & Extended FATE Views

Lectures

10:00 am Doppler Echocardiography: Doppler Ultrasound & Color Doppler Principles

10:15 am Break

Hands-On

10:30 am Advanced FATE Views, Doppler Knobology & Doppler Ultrasound Principles

Lectures

11:30 am Pressure Estimation: Doppler Ultrasound for Pressure Estimation, Continuous Wave Doppler (CWD)

11:45 am Cardiac Output Estimation: Doppler Ultrasound for Cardiac Output Estimation, Pulse Wave Doppler (PWD)

12:00 pm Left Heart

12:15pm **Lunch**

Hands-On

1:15 pm Pressure Estimation (CWD) and Cardiac Output (PWD)

Lectures

2:30 pm Cardiac Strain Imaging

2:45 pm Diastology

Hands-On

3:00 pm Diastology & Advanced FATE

4:00 pm Break

Lectures

4:15 pm Subcostal Cardiac Imaging & IVC Assessments: Subcostal Views, IVC Dynamics, Volume Responsiveness

4:45 pm Advanced Lung Ultrasound: Heart Lung Interactions

Hands-On

5:00 pm Subcostal Cardiac Views, IVC, Lung Ultrasound

6:00 pm Adjournment

Sunday, December 3, 2023

(4.75 credits)

7:30 am Registration and Breakfast

Lecture

8:00 am Optic Nerve Sheath Diameter (ONSD)
8:15 am Trans Cranial Doppler (TCD)

Hands-On

8:30 am Optic Nerve Sheath Diameter and Trans Cranial Doppler

Lecture

9:15 am Venous Excess Ultrasound (VExUS) and Hemodynamics
9:45am Right Heart

Hands-On

10:00 am VExUS, Hemodynamics, RV

11:00 am Break

Lecture

11:15 am Advanced FATE Clinical Scenarios and Advanced Focus Assessed
Transthoracic Echocardiography (FATE) Certification

Hands-On

11:30 am Concurrent Stations: Application of Focused Cardiac Ultrasound in the “Real World” and Advanced FATE Certification

- Presentation of a clinical scenario requiring FATE views and Doppler applications
- One participant in each group performs Advanced FATE exam with Doppler and is given 12 minutes to perform and record their best 2D images along with appropriate doppler recordings
- That participant receives feedback on image quality, views and doppler tracings
- The clinical scenario is revisited with a diagnosis and real-life ultrasound images of pathology
- There are a total of 4-5 clinical scenarios/rotations, allowing each participant to be tested

Review and Certification

1:00 pm Q&A, Closing Remarks, and Advanced FATE Certificate Issuance (*must be present to be certified*)
1:15 pm Ask the Experts Scanning (*optional*)
2 :00 pm Final Adjournment