

Advanced Critical Care Ultrasound Course

Learning Objectives:

At the end of this course, participants will be able to:

1. Demonstrate advanced principles of critical care ultrasound knowledge.
2. Acquire high-quality images of advanced sonographic views and perform hemodynamic measurements through participation in hands-on sessions
3. Demonstrate appropriate image interpretation and integration of advanced ultrasound studies in the management of critically ill patients

Mission Chair: Jose Diaz-Gomez, MD, M.A.S., FASE, FCCM

Mission Faculty: Vadim Gudzenko, MD; Aliaksei Pustavoitau, MD, MHS, FCCM; Melissa Hazlitt, MD FACEP; Susanna Rudy, ACNP, DNP, AG-NCNP; Michael Lanspa, MD, MS, FCCM; John Klick, MD, FCCM

7:30 a.m. – 8:00 a.m.	Registration
8:00 a.m. – 8:05 a.m.	Overview Faculty: Jose Diaz-Gomez
8:05 a.m. – 8:50 a.m.	Advanced Hemodynamic Measurements Faculty: Vadim Gudzenko
8:50 a.m. – 9:30 a.m.	Advanced Evaluation of Left and Right Ventricular Systolic Function Faculty: Melissa Hazlitt
9:30 a.m. – 10:15 a.m.	Diastology in the ICU Faculty: Michael Lanspa
10:15 a.m. – 10:30 a.m.	Break
10:30 a.m. – 11:15 a.m.	Pulmonary Edema and Pneumonia Faculty: Susanna Rudy
11:15 a.m. – 1:00 p.m.	Skill Stations • Hemodynamic Measurements (Gudzenko – Diaz-Gomez) • Pulmonary edema- Pneumonia (Rudy – Lanspa) • Advanced Ventricular Function (Hazlitt – Klick)
1:00 p.m. – 1:30 p.m.	Lunch
1:30 p.m. – 2:00 p.m.	Valvular Assessment in the Critically Ill Faculty: John Klick
2:00 p.m. – 2:30 p.m.	Pitfalls and Limitations of Echocardiography in the ICU Faculty: Aliaksei Pustavoitau
2:30 p.m. – 2:50 p.m.	Tricks of the Trade Faculty: Jose Diaz-Gomez
2:50p.m.- 3:00 p.m.	Break
3:00 p.m. – 4:45p.m.	Skill Stations • Valvular Assessment (Klick – Hazlitt) • Diastology (Lanspa – Diaz-Gomez) • Lessons training the trainer (Gudzenko – Pustavoitau)
4:45 p.m. – 5:15 p.m.	Questions and Moving Forward