

University of Pittsburgh Physicians Department of Anesthesiology
&
University of Pittsburgh School of Medicine Center for Continuing Education in the Health Sciences
Present:

**BOOT CAMP FOR BASIC TEE BOARDS
&
FOCUSED CARDIAC ULTRASOUND WORKSHOP**

UPMC SHADYSIDE, HERBERMAN CONFERENCE CENTER
5150 CENTRE AVE.
PITTSBURGH, PENNSYLVANIA 15232

June 9, 2018
7:00 AM - 5:00 PM

Course Directors:

Kathirvel Subramaniam, MD, MPH, FASE
Michael L. Boisen, MD



Program overview:

This program is intended to provide a comprehensive review of Basic Echocardiography used in current anesthesia, perioperative and critical care practice using concise didactic lectures, problem based case presentations and hands on workshops. This activity is sponsored by the University of Pittsburgh Physicians Department of Anesthesiology and the University of Pittsburgh School of Medicine Center for Continuing Education in the Health Sciences (Course # 7189).

Target Audience:

- Anesthesiologists and Critical Care Physicians
- Emergency room physicians, Surgeons and Physicians from other specialties who are involved in the care of critically ill patients
- Trainees including Fellows, Residents and Medical Students

Learning Objectives:

At the conclusion of this course, the participant should be able to:

- Understand the basics of ultrasound and ultrasound machine knobology for image optimization
- Learn basic transthoracic and transesophageal echocardiography views
- Apply safe practices in echocardiography & understand the indications, advantages, limitations and complications related to echocardiography
- Learn the practical problem based approach of using basic echocardiography in the operating room and intensive care unit
- Understand echocardiography evaluation of hemodynamic instability in critical care, trauma victims, abdominal organ transplants and other non-cardiac surgical patients
- Prepare for the basic echocardiography boards conducted by National Board of Echocardiography

Registration Fee:

Physicians	\$200
Trainees	\$100
UPMC Anesthesiology Residents & Fellows	Complimentary
Speakers	Complimentary

Registration fee includes admission to the program with CME credits, continental breakfast, break, and lunch. Conference registration is available online at <https://cchehs.upmc.com> (Click on "Upcoming Events").

All cancellations must be in writing and sent to us via U.S. mail, email or fax (see contact information below). Tuition for cancellations postmarked or date stamped before 05/24/2018 will be refunded in full. After 05/25/2018, a \$50 administrative fee will be assessed, the remaining amount refunded and no refunds will be made after 06/05/2018. Email for cancellations: dowdymm@upmc.edu

Program Schedule:

Saturday June 9, 2018

7:00 AM – 7:30 AM	Welcome and Breakfast
7:30 AM – 8:00 AM	Standard Basic Transesophageal Echocardiographic (TEE) Views and Identification of Structures. Heather K. Hayanga, MD, MPH
8:00 AM – 8:30 AM	Basic Transthoracic Echocardiographic (TTE) Views and Rescue TTE. Michael L. Boisen, MD
8:30 AM – 9:00 AM	Basics of Ultrasound. Mahesh Prabhaker Sardesai, MD, MBA
9:00 AM – 9:30 AM	Image Optimization, Knobology, Artifacts and Imaging Pitfalls. Theresa A. Gelzinis, MD

9:30 AM – 9:45 AM	Break and Exhibits
9:45 AM – 10:15 AM	<i>Evaluation of Left Ventricular (LV) Function.</i> Justin N. Tawil, MD
10:15 AM – 10:45 AM	<i>Evaluation of Right Ventricular (RV) Function.</i> J. Mauricio Del Rio, MD
10:45 AM – 11:15 AM	<i>Basic Mitral and Tricuspid Valve Examination.</i> Barbara Wilkey, MD
11:15 AM – 11:45 AM	<i>Basic Aorta and Aortic Valve Examination.</i> Stephen M. McHugh, MD
11:45 AM – 12:30 PM	Lunch
12:30 PM – 1:00 PM	<i>TEE for Liver Transplantation Surgery.</i> Lorenzo De Marchi, MD
1:00 PM – 1:30 PM	<i>TEE for Noncardiac Surgery and Critically Ill Patients.</i> Kathirvel Subramaniam, MD, MPH, FASA
1:30 PM - 4:00 PM	8 stations (20 minutes each)
Station 1	<i>Knobology Machine Station.</i> Heather Hayanga, MD Someshwar Bandi, MD
Station 2	<i>TEE Simulation.</i> Theresa A. Gelzinis, MD Lorenzo De Marchi, MD
Station 3	<i>LV PBLD.</i> Justin N. Tawil, MD David A. Maerz, MD
Station 4	<i>RV PBLD.</i> J Mauricio Del Rio, MD
Stations 5 - 6	<i>Valves.</i> Barbara Wilkey, MD Stephen M. McHugh, MD
Stations 7	<i>Hemodynamic Evaluation and Calculations.</i> Mahesh Prabhaker Sardesai, MD Timothy P. Rohman, MD
Station 8 -10	<i>Hands on Focused Cardiac Ultrasound Workshop. (3 stations)</i> Kathirvel Subramaniam, MD, MPH, FASE Michael L. Boisen, MD Dennis P. Phillips, DO
4:00 PM - 5:00 PM	<i>Basic TEE Examination Quiz with Experts</i>
5:00 PM	Conference Adjournment

CME Accreditation and Designation Statements:

The University of Pittsburgh School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Pittsburgh School of Medicine designates this live activity for a maximum of **8.5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

At the end of this conference, please complete and return the inserted course evaluation and credit designation sheet and pick up a certificate of attendance, which details instructions for accessing an online credit transcript post-course.

The credit hours claimed will be entered onto a personalized credit transcript. Please visit <https://ccehs.upmc.com> and follow credit transcript instructions to access and print your transcripts.

The transcript acts as a valid documentation (in place of a certificate) of your attendance and completion of this accredited course (May take up to 6 weeks post-course).

Nondiscrimination, Equal Opportunity, and Affirmative Action:

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Faculty Disclosure:

All individuals in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any proprietary entity producing, marketing, re-selling, or distributing health care goods or services, used on, or consumed by patients.

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Guest Faculty:

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Duke University School of Medicine
Durham, NC

Barbara Wilkey, MD

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MedStar Georgetown University Hospital
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The Americans with Disabilities Act Information:

Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service. Please notify us of your needs at least two weeks in advance of the program by calling Monique M. Dowdy at 412-692-4528.

For more information, please contact:

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