

Structural and Interventional Echocardiography

An emerging advanced subspecialty and a paradigm shift in cardiovascular medicine.

In today's competitive and dynamic healthcare climate, it is critical to use your medical imaging systems to their fullest potential. Our goal at Philips Healthcare is to provide the clinical education you need to make the most of your equipment investment.

Philips Ultrasound University Cardio Vascular 331

Prerequisite

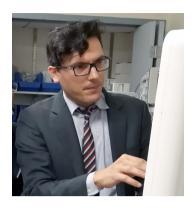
Experience with system controls and 2D TEE is required for all participants. Introduction to basic use of 3D TTE is strongly suggested for all attendees. We recommend the ACT 3D course as a good prerequisite for Live 3D imaging and instrumentation.

With advancements in percutaneous procedures for management of structural heart disease, the importance of high quality imaging cannot be over emphasized. In complex structural heart disease, anatomy cannot be fully appreciated by only 2D echocardiography. 3D echocardiography is useful for comprehensive evaluation of anatomy and describing relation of catheters and devices involved in percutaneous procedures to anatomic structures in three dimensional space. In addition 3D TEE especially real time 3D echo is useful for intra-procedural guidance during catheter based interventional procedures.

This two-day course will educate and train participants to utilize 2D, Doppler, and 3D TEE for TAVR, Mitraclip, PVL and ASD/PFO closure, left atrial appendage closure (WATCHMAN), and transseptal approach procedures. Participants will specially learn techniques for screening patients for these procedure, guiding these procedures in the hybrid OR and cath lab, and assessing patients for procedure success and complications post-procedure.

Structural and Interventional Echocardiography (CV331)

"This advanced didactic and hands-on training course is aimed at noninvasive imaging and invasive cardiologists, cardiac anaesthesiologists, and cardiac sonographers who want to be team players and health care providers within the heart team providing truly innovative and ground breaking transcatheter cardiovascular care for patients with structural and valvular heart disease."



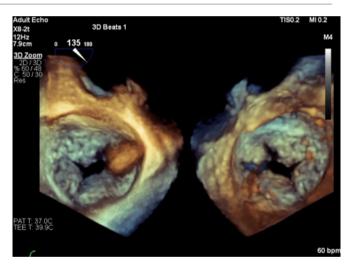
Philip Haines, MD, MPH, MS, MRCP(UK)

Attending Cardiologist, Rhode Island Hospital and The Miriam Hospital Director, Structural and Interventional Echocardiography Associate Director, Echocardiography Laboratory, Rhode Island Hospital Assistant Professor of Medicine, Brown University

Course Objectives

Upon completion of this course, the learner should be able to:

- Explain comprehensive imaging evaluation necessary for common structural heart defects and procedures
- Understand how to integrate 3D imaging into clinical practice
- Appreciate the incremental value of 3D TEE in evaluating structural heart defects
- Discuss the various modes of 3D echocardiography, such as X-plane, Live, Zoom, Full Volume and Color 3D modes
- Evaluate the advantages and limitations of various 3D modes
- Appreciate the use of Live 3D TEE to aid in procedural planning
- Explain how to acquire, crop, manipulate, display and quantitate 3D TEE images
- Describe the use of Live 3D TEE for guidance during catheter- based interventions for management of common structural heart defects



Locations

Course may be held in Philips central locations in Alpharetta, Georgia; Bothell, Washington; and Cleveland, Ohio. Other locations may be offered

For more information

Contact Philips Ultrasound Clinical Education at **800.522.7022** and visit our education catalog at

www.learningconnection.philips.com/ultrasound

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