



PHILIPS

Clinical Education

Structural Heart Imaging

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 333

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 one-day course will explore the role of the echocardiographer within the structural heart team and discuss the importance of multimodality imaging for Structural Heart procedures. We will review TEE probe manipulation and anatomical landmarks. Participants will learn to utilize 2D, Doppler, and 3D TEE for TAVR, Mitraclip, PVL and ASD/PFO closure, left atrial appendage closure devices, 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.

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.

Structural Heart Imaging (CV333)

“The rapid growth of transcatheter structural heart procedures as a less invasive alternative to surgery has led to a dynamic revolution within the structural heart arena. Within the structural heart team lies the structural heart imager – playing an integral role in the successful work up and guidance of transcatheter devices using real time imaging. .”



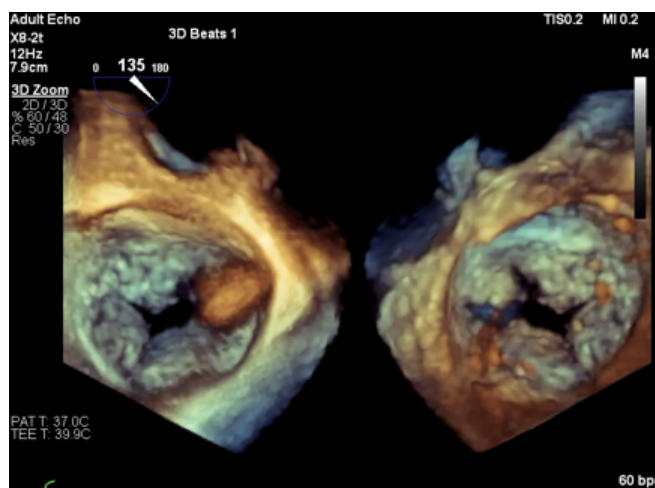
Elliot Elias, MD, FACC

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Associate Professor: Florida International University (Health and Humanities)
Fellow of the American College of Cardiology

Course Objectives

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

- Define the role of a structural imager/Interventional Echocardiographer
- Review current guidelines and treatments for structural heart disease
- Review advanced imaging techniques that allow for a successful guidance for transcatheter procedures
- Provide an overview of the different transcatheter approaches to treating valvular heart disease
- Provide case examples to demonstrate application and indications for devices and/or procedures and the role of team-based care.



Locations

Course may be held in Philips Training Centers. 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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