



PHILIPS

Clinical Education

Use of 3D TEE for structural heart procedures

Utilizing 3D for intra-operative guidance

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 332

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 like trans-catheter aortic valve replacement, mitral clip, left atrial appendage occluder devices, atrial septal defect device closure. This two-day course is designed for cardiologists, anesthesiologists and other physicians involved in management of structural heart disease. This course will give an overall view of imaging recommended for baseline evaluation of common structural heart defects. This course will also describe imaging steps involved in intra-procedural guidance of catheter based interventional procedures for management of structural heart defects.

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.

Use of 3D TEE for structural heart procedures (CV332)

They say a picture is worth a thousand words.....Worth of a good 3-D echo image?.....Priceless!!!

This didactic and hands-on training course is designed for cardiologists, cardiac surgeons, anesthesiologists, sonographers and other physicians involved in management of structural heart disease. Participants will learn the utility of 3D TEE imaging in the evaluation of structural heart disease as well as its application in guidance of various catheter based interventional procedures.

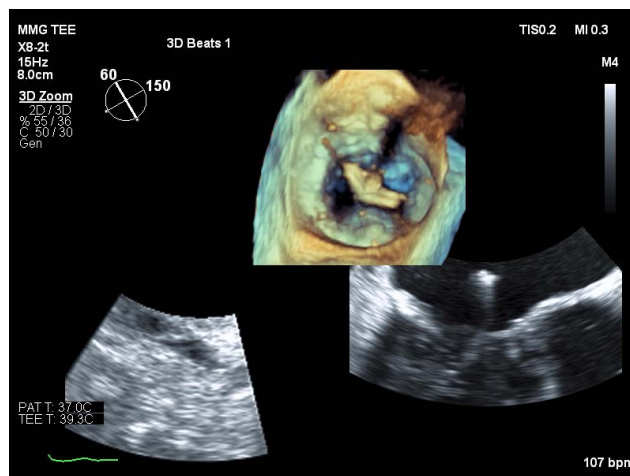


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Course Objectives

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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