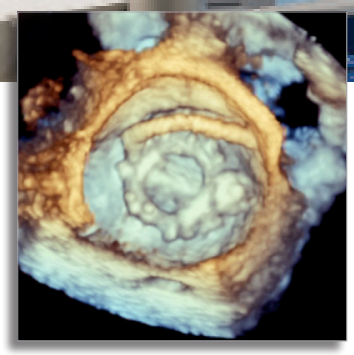


Live 3D-TEE in structural heart disease

From Diagnosis to Intervention in Structural Heart Disease

Philips Ultrasound University Cardiology 323

Live 3D TEE provides a novel imaging method to visualize cardiac structures. This modality has enabled us to readily diagnose disease of cardiac structures and guide interventions when necessary.

During this two-day course, participants will be introduced to 3D image acquisition in structural heart disease. Non-invasive and invasive cardiologists, cardiac anesthesiologists and sonographers will gain insight into clinical applications of this technique and a process to incorporate this technology into daily clinical practice. A broad spectrum of clinical applications of 3D TEE will be covered, including 3D assessment of aortic valve and mitral valve (especially mechanism and assessment of mitral regurgitation). There will be an emphasis on the use of Live 3D TEE for guidance during catheter- based interventions such as TAVR, mitra-clip, mitral valvuloplasty, closure of PFOs and paravalvular leaks as well as its role in the operating room.

The first day of this two-day course will be taught by Dr. Raj Janardhanan. Educational material will be presented in the form of lectures, case presentations and informal discussions on Live 3D TEE and its clinical application. On the second day, the Philips ultrasound clinical education team will assist in instructing participants on analyzing, manipulating and cropping of 3D data sets using the QLAB software. Attendees will have ample opportunity to develop hands-on experience with QLAB.

PHILIPS

Live 3D-TEE in structural heart disease (CV323)

Raj Janardhanan, MD, FACC, FASE

"Live 3D-TEE offers a new perspective to normal cardiac anatomy and structural heart disease. The information obtained from Live 3D-TEE provides insight into the mechanism of disease. This helps better understanding of disease processes and offers guidance during complex interventions".

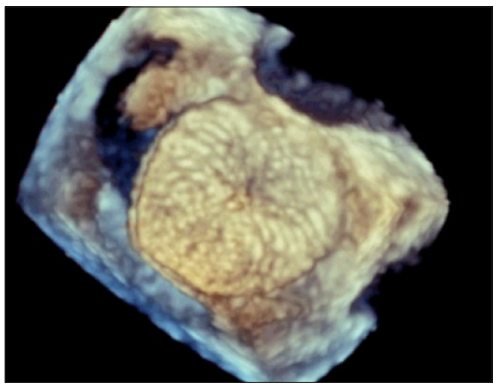
Learning outcomes

Upon successful completion of this program, attendees should be able to:

- Appreciate the incremental value of Live 3D-TEE in evaluating normal anatomy and defining pathology
- Evaluate mitral valve in 3D and discuss mechanisms of mitral regurgitation
- Evaluate aortic valve in 3D
- Appreciate the use of Live 3D TEE for guidance during catheter- based interventions (such as TAVR, mitra-clip, mitral valvuloplasty, closure of PFOs and paravalvular leaks)
- Discuss the advantages and limitations of Live 3D TEE
- Discuss integrating Live 3D TEE into everyday clinical practice

Facilitators and speakers

- Raj Janardhanan MD, MRCP, FACC, FASE is an Associate Professor of Medicine and Medical Imaging as well as the Medical Director, Non-Invasive Cardiac Imaging at South Campus of the University of Arizona. His expertise includes Live 3D-TEE in structural heart disease and 3D-TEE guidance during interventions.
- Philips Ultrasound Clinical Education Specialists



Prerequisites

A thorough knowledge and understanding of 2D TEE and basic system instrumentation is required for this program. This course does not offer hands-on system acquisition. Consider the ACT series for acquisition training.

Locations

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

Remote Access Available

This course has remote access opportunities available. Please speak to your Clinical Specialist for more information.

Please visit www.philips.com/clinicaleducation

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