Master Course in Anatomical 3D TEE for Surgical and Transcatheter Procedures

Essentials for valve and structural heart imaging

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 330

This two-day course is guided by a leading cardiothoracic surgeon, Evelio Rodriguez MD, and is designed specifically for cardiac sonographers, anesthesiologists and physician CV imaging specialists to improve their knowledge base and learn expert 3D TEE imaging techniques in pre-evaluation and procedural imaging during surgical and transcatheter interventions. Attendees will experience live class participation in a porcine heart dissection and anatomy course with demonstration of various surgical techniques and implants of interventional devices. This is supported with extensive use of associated 3D-TEE datasets in QLAB using actual case studies.

Prerequisite

Experience with system instrumentation and 2D TEE is required for all participants in this program.
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.

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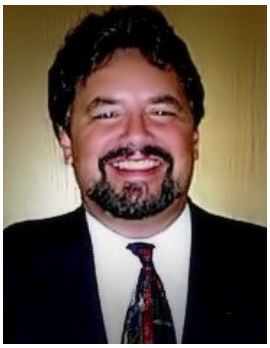
"As we evolve towards more valvular repair and transcatheter procedures, cardiovascular surgeons increasingly embrace the essential role of Live 3D imaging for pre-planning and perioperative guidance in the goal of improved outcomes for our patients."

Evelio Rodriguez, MD
Chief of Cardiac Surgery and St Thomas Research Institute at Saint Thomas West Hospital in Nashville TN

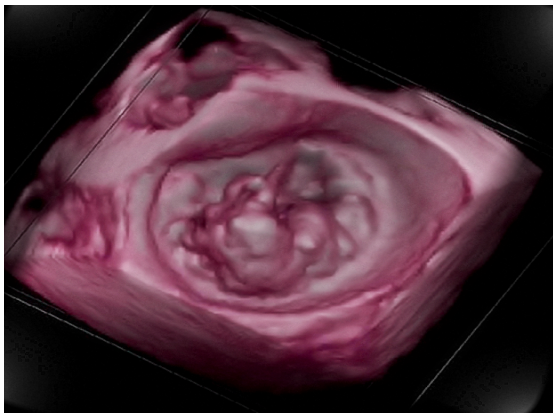


Rick Meece, ACS, RCIS, FASE
Cardiac Imaging Specialist at Saint Thomas West Hospital in Nashville TN

Course Objectives

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

- Demonstrate 3D TEE protocol for obtaining optimized 3D datasets of complex anatomy and how to render them.
- Share experience of performing live heart dissection with a surgeon in understanding valve anatomy for surgical repair or device implantation.
- Perform QLAB based multi-planar measurements for device sizing and interventions.
- Describe and calculate various non-invasive Doppler based surrogates for advanced bedside hemodynamic flow calculations.
- Identify perioperative imaging pearls and pitfalls for pre and post surgical myomectomy procedures.
- Discuss steps for efficient use of mitral valve navigator (MVN) and application for procedural planning.
- Explain imaging settings and protocols for guiding mitraclip and valve-in-valve interventional procedures.



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**

Please visit **www.usa.philips.com/healthcare-medical-education**

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