Perioperative 3D TEE

Image optimization in a perioperative and intraoperative care cycle

Philips Ultrasound University
Cardiology 325

Live 3D TEE provides cardiologists, anesthesiologists, and cardiac surgeons with innovative, inspiring and realistic views to aid in patient care. This course provides a comprehensive understanding of the practical applications of this novel technology in the perioperative environment.

This two-day course is designed to provide anesthesiologists, cardiologists, and cardiac sonographers with the fundamental skills required to obtain high-quality, Live 3D TEE images and the confidence to immediately incorporate Live 3D TEE into their practice.

The first day of this two-day course will be taught by Stanton K. Shernan, M.D., FAHA, FASE. Educational material will be presented in the form of lectures, case presentations, and informal discussions that together will provide a comprehensive review of the fundamentals of intraoperative, Live 3D TEE image acquisition and its practical clinical utility.

On the second day, the Philips ultrasound clinical education team will assist in instructing participants on optimizing acquisition, manipulation, cropping, and quantification of Live 3D TEE datasets using QLAB software. Students will have ample opportunity to develop hands-on experience.

This course will be taught at Philips locations in Alpharetta, Georgia, Bothell, Washington and Cleveland, Ohio. Other locations may also be offered.

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Perioperative 3D TEE (CV325)

Stanton K. Shernan, M.D., FAHA, FASE

"Our goal is to use didactics, case discussions, and a hands-on experience to enable participants to acquire confidence and a comfort level so they can immediately incorporate Live 3D TEE into their clinical practice."

Learning outcomes

Upon successful completion of this program, attendees should:

- Understand how to optimize Live 3D TEE displays
- Recognize standard Live 3D TEE images using a fully sampled matrix array probe
- Acquire practical interpretations of left ventricular and mitral valve geometry and function, by using QLAB software to crop and perform volumetric quantitative analyses on 3D TEE datasets
- Understand the uses and limitations of current Live 3D TEE technology
- Understand how to integrate intraoperative Live 3D TEE imaging into clinical practice
- Be confident analyzing 3D datasets (e.g., measuring structures and using the mitral valve quantification tools in QLAB)

Facilitators and speakers

- Stanton K. Shernan, M.D., FAHA, FASE
  Professor of Anaesthesia at Harvard Medical School

- Philips Ultrasound Clinical Education
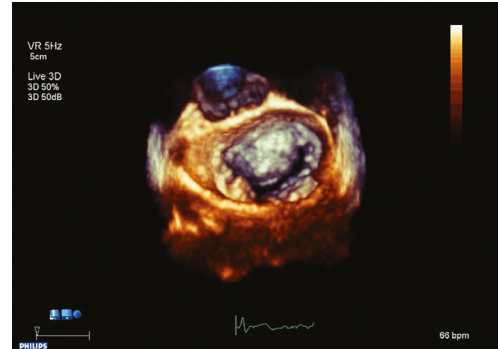
Prerequisites

A thorough knowledge and understanding of all system instrumentation and 2D TEE is required for this program. It is also helpful to have an understanding of transthoracic 3D imaging.

This course does not provide system control training. We recommend the Advanced Customer Training Cardiovascular Live 3D course for system instrumentation regarding Live 3D.

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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