



Principles and Essentials of Live 3D Echocardiography

Live 3D TEE is useful in a broad spectrum of applications such as catheter-based interventional procedures and elaborate intraoperative pathologies.

Philips Ultrasound
University
Cardiology 360

Course description

This two-day course is designed to provide cardiologists, cardiac anesthesiologists and cardiac sonographers with the understanding of how Live 3D technology contributes to patient care, what conditions and procedures are diagnosed and facilitated by Live 3D technology, and how to apply Live 3D, xPlane and 3D data analysis in the cathlab and in the OR for those interventional and operative procedures.

The first day of this two-day course will be taught by George Gellert, M.D., Medical Director, Interventional Echocardiography, Structural Heart Program, Cavanagh Heart Center, Banner Good Samaritan Medical Center, Phoenix, Arizona.

Educational material will be presented in the form of lectures, case presentations, informal discussions and hands-on image manipulation that together will provide a thorough introduction into the fundamentals of live 3D TEE and its practical clinical application.

On the second day, the Philips Clinical Education team will provide hands-on training on Live 3D tools, QLAB and cropping to practice and substantiate the techniques and methods demonstrated earlier in the course.

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Principles and Essentials Live 3D Echocardiography (CV360)



George Gellert, M.D.

"This didactic and hands-on training course will provide the foundation and essential knowledge of Live 3D Echocardiography. Participants will have the opportunity to familiarize themselves with the broad spectrum application of Live 3D Echocardiography, such as catheter-based interventional procedures and elaborate intraoperative pathologies where 3D imaging is an efficient and effective imaging modality."

Course objectives

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

- Explain how Live 3D Echocardiography differs from 2D
- Describe the various modalities of Live 3D Echocardiography, such as Live, Zoom, Full Volume, Color 3D and xPlane
- Explain what is Real-Time and what is gated acquisition
- Understand how to acquire, crop, manipulate, display and quantitate Live 3D TEE images
- Identify the uses and limitations of Live 3D TEE technology
- Discuss how to integrate Live 3D TEE imaging into clinical practice
- Describe relevant pathologies diagnosed and visualized by Live 3D TEE
- Explain catheter-based interventional procedures and intraoperative open heart procedures supported by Live 3D TEE

Philips Ultrasound Clinical Education will assist in instructing participants on optimizing, cropping, and quantification of Live 3D datasets using QLAB. Students will have ample opportunity to develop hands-on experience.

Course Location

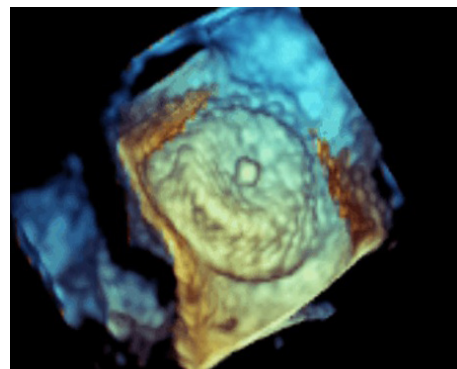
This course will be taught at Philips training events nationwide.

Prerequisite knowledge

A thorough knowledge and understanding of 2D TEE and system instrumentation as well as basic 3D system controls is required for this program.

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.learningconnection.philips.com/ultrasound



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