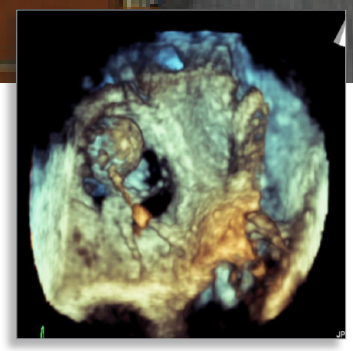

Clinical Applications of Live 3D TEE From Diagnosis to Intervention

Philips Ultrasound University Cardiology 321

Live 3D TEE provides a unique imaging method to visualize cardiac soft tissue structures with anatomic accuracy and clarity. This superior imaging methodology is gaining widespread acceptance as the method of choice for visualization of cardiac valves, congenital heart disease and quantification of LV global and regional function.

Course description

During this two-day course, participants will be introduced to 3D image acquisition, manipulation, cropping and quantitative analysis. Cardiac imagers as well as cardiac anesthesiologists and sonographers will gain insight into clinical applications of this technique and a process to incorporate this technology into daily clinical practice.

This course will be chaired by Jonathan Choy, M.D., FRCPC, FACC, FASE, Clinical Professor and Director of the Echocardiography Laboratory at the Mazankowski Alberta Heart Institute, Edmonton, Alberta, Canada. Along with his distinguished colleagues, a broad spectrum of clinical applications of 3D TEE will be covered, including assessment of global and regional LV function, mitral and aortic valve pathology, ASD/VSD and PFO, and use of Live 3D TEE for guidance during catheter-based interventions.

Short didactic lectures will be followed by hands-on workshops, where all participants will be able to gain experience in image acquisition, and manipulation of datasets.

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Clinical Applications of Live 3D TEE (CV321)

Jonathan Choy M.D.

Why Live 3D? “It is very similar to the question "Why do people watch 3D movies?" Because the images are more representative of real life. Our world is in 3D. Why are 3D televisions becoming so popular? Because people want that live, real experience because it feels more real. This technology is especially valuable any time you need to see a structure that you cannot see with X-ray - anything that is comprised of soft tissue, valves, muscle, holes in the heart, etc.”

Jonathan Choy, M.D.

Course objectives

At the end of this course the attendee should be able to:

- Discuss the advantages and limitations of Live 3D TEE
- Acquire and optimize 3D images
- Manipulate and crop 3D TEE datasets
- Quantify global 3D LV ejection fraction using QLAB software
- Appreciate the ability of 3D TEE to detect cardiac dyssynchrony
- Explain the use 3DQ software to measure ERO, valve area, ASD/VSD size
- Describe the use of MVQ software to characterize mitral valve pathology
- Discuss integrating Live 3D TEE into everyday clinical practice

Along with our experienced physician faculty, the Philips ultrasound clinical education team will be on-site assisting with instructing participants in image optimization, as well as cropping and analysis of Live 3D TEE datasets during QLAB workshops

Course Location

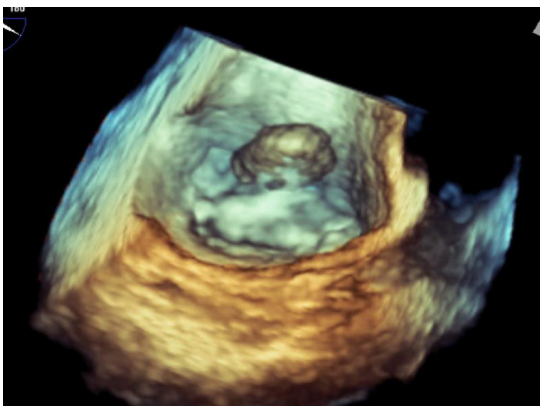
This course will be held at the Mazankowski Alberta Heart Institute in Edmonton, Alberta, Canada.

Prerequisite knowledge

A thorough knowledge and understanding of 2D TEE is required for this program. A basic understanding of 3D system controls is highly recommended but not required.

For more information

Contact Philips Ultrasound Clinical Education at 1 800-522-7022 and visit our education catalog at www.learningconnection.philips.com/ultrasound



Please visit www.learningconnection.philips.com/ultrasound

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