The Surgeon’s View

Essential 2D TTE and 3D TEE for Valvular Repair

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.

Prerequisite
Experience with system instrumentation and 2D TEE is required for all participants in this program. Introduction to basic use of 3D TTE is suggested for all attendees, but not a requirement. We recommend the ACT 3D course as a good prerequisite for Live 3D imaging and instrumentation.

Philips Ultrasound University Cardio Vascular 330

This two-day course is designed for cardiac sonographers, anesthesiologists, cardiologists, and directors with vested interest in the surgical and hybrid procedural arena. Attendees will interact with a highly experienced center of excellence cardiac surgeon and imaging specialist using a real world approach and live case studies and datasets. The course includes discussion of appropriate imaging and Doppler based hemodynamic calculations for both surgical and transcatheter procedures, as well as guidelines based evaluation of valve pathology using multi-planar and 3D volumetric methods. Technical training in the use of QLAB for TAVR, mitral valve, and other structural heart procedures are covered in detail with specific protocols to assist the imaging physician and sonographers.
“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.”

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

• Discuss an updated surgeon’s perspective on echo-based imaging regarding perioperative procedure management using advanced Doppler and 3D-TEE methods and QLAB tools.
• Describe useful and advanced hemodynamic flow and functional calculations using 3DQA, speckle-tracking, and Doppler.
• Describe recommended protocols for performing aortic, mitral, and tricuspid valve measurements from actual cases using 3D multi-planar virtual modeling in QLAB.
• Explain customized, procedure based on-cart imaging protocols for obtaining simplified, registry based data for TAVR, mitraclip, LAA occlusion, paravalvular leaks, and valve-in-valve cases.
• Describe the multi-disciplinary team process in reaching benchmarks for quality assurance and outcomes data from both the surgical and imaging team leader perspective.

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