



PHILIPS

Clinical Education

Advanced Cardiac Sonographer

Comprehensive Review Course

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 309

This two-day course is designed for experienced sonographers, anesthesiologists, and cardiologists who wish to receive a comprehensive review of advanced echocardiographic imaging methods and techniques which may prove useful in their study for an advanced practice national board examination. The course will be primarily

didactic with a wealth of actual case studies as a base learning device from research, surgical, device implantation, resuscitation, myocardial mechanics with strain, and hemodynamic calculations. QLAB stations and ultrasound systems may be utilized for viewing images, performing measurements, and instruction on the use and

application of advanced methodology within 3D datasets. Each section will have a brief real world testing phase for group evaluation and discussion.

Prerequisite

Experience with system instrumentation is required for all participants in this program. This is an advanced course for experienced sonographers, anesthesiologists, and cardiologists

Advanced Cardiac Sonography (CV309)

Rick Meece serves as Cardiac Imaging Specialist for Saint Thomas Heart in Nashville, TN, and a member of the inaugural group of echocardiographers who have received the designation of Advanced Cardiac Sonographer. Serving as Cardiac Imaging Specialist with both invasive and non-invasive credentialing, Rick has been in field for over 30 years and has extensive experience in interventional cardiology, transesophageal echocardiography, and research development as primary and co-investigator. He currently works in the OR and Structural Heart procedural areas, where he has trained anesthesiologists and senior echocardiographers in advanced clinical echocardiography.

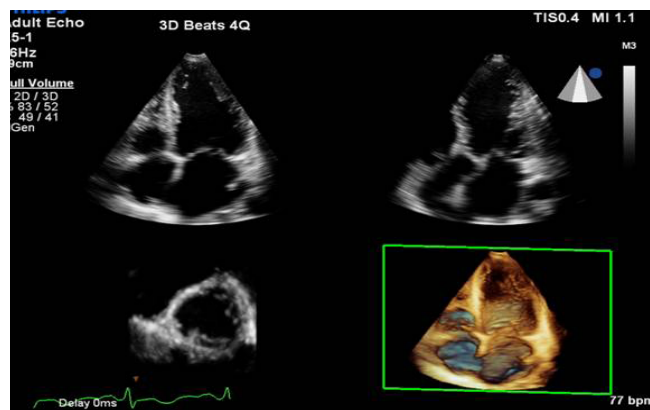


**Rick Meece, ACS, RDCS,
RCS, RCIS, FASE**

Course Objectives

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

- Describe and perform appropriate methods for guidelines based assessment of valvular disease and regurgitation in various conditions, including prosthetic valve evaluation.
- Discuss the relationship between invasive and non-invasive Doppler based hemodynamics in pathological conditions and how to differentiate the most relevant information at bedside in both stable and resuscitation conditions.
- Explain 2D segmental and global strain analysis and compare values to 3D volumetric methods as related to myocardial mechanics, including emerging applications in stress and contrast perfusion imaging.
- Discuss techniques used for surgical and transcatheter procedures, approaches and mechanisms for determining the most successful procedural processes and tracking outcomes data.
- Describe approaches in elevating and educating your echo lab with methods using structured teaching design, presentations, and research projects.



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**

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