



Real World Echo

Integrating 2D and 3D imaging for improved diagnosis

This three day case-based course provides cardiologists and cardiac sonographers of any experience level with simple, intuitive methods which utilize an integrated 2D and Live 3D echocardiography approach in a real world hospital or clinical setting. By learning technical imaging tips and use of QLAB applications entirely through the use of Real World pathological case studies, physicians and sonographers will gain the confidence and experience necessary to understand which techniques are best suited for productive, integrated echo protocols that limit scanning time, yet dramatically improve diagnostic value in a busy clinical setting.

Philips Ultrasound
University
Cardiology 306

Course description

The first day of this course has a focus on imaging and quantitation of left and right ventricular myocardial disease, including in-depth evaluation for the presence of LV dyssynchrony based on published criteria. Practice sessions at individual workstations will involve case sets that instruct on comparative diagnostic value and techniques for 2D imaging, 2D speckle tracking, and Live 3D applications. Scanning session stations provide for both novice and experienced users based on class distribution.

The second day of training builds on skills from the previous session with comprehensive case studies of valvular and adult congenital pathologies, using both transthoracic and

transesophageal 2D and Live 3D imaging sets. Advanced techniques using combined Doppler and Multi-plane Reconstructive methods will be learned by students for regurgitant valve evaluation, as well as ASE guidelines based approach to diagnosis.

The third day (1/2 day) will expand with technical training discussions and procedural approaches in both clinical and intra-operative Live 3D TEE, as well as an entertaining course review session. Physicians and team leaders will benefit from discussions on the course instructor's experience in development of in-house training programs, research development, reimbursement, and fulfilling ICAEL requirements for quality assurance.

PHILIPS

Real World Echo (CV 306)



Dante J. Graves, MD and Rick Meece, RDCS

Course objectives

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

- Describe valuable scanning techniques which improve technical quality in TTE a 3D TEE cases.
- Demonstrate simple uses of 2D Strain Imaging with speckle tracking to evaluate LV regional wall motion in patients with ischemia and heart failure.
- Confidently prepare and edit 3D datasets in 3DQA for accurate quantitation of LV function in various pathology types.
- Discuss situations where 2D and 3D imaging combine to compliment diagnose value in valvular and congenital disease.
- Describe step by step protocols for quick optimization and dissection of 3D TEE datasets for interpretation in various PACS systems.
- Discuss strategies in balancing the cost/benefit and prognostic value of cardiac 2D/3D ultrasound in a multi-modality setting.

Course faculty

Dr. Dante Graves and Rick Meece have been active in cooperative research and development for advanced ultrasound applications for many years at Saint Thomas Hospital in Nashville, Tennessee.

Attendees of Real World will benefit from their broad experience

“Our goal is to free and empower the students so they can actually do something with this technology. Real-time 3D echo has revolutionized the way we are able to image the heart, providing the cardiologist and sonographer with the freedom to approach imaging in new and exciting ways.”

Rick Meece RDCS

and intuitive methods that are carefully geared to impact the quality and expertise required to meet the new accreditation environment.

Facilitators and speakers

- Rick Meece, RDCS, RCS, RCIS, FASE, Cardiac Imaging Specialist, Saint Thomas Hospital, Nashville, TN
- Dante J. Graves MD, FACC, Medical Director, Non-Invasive Imaging Labs, Saint Thomas Hospital, Nashville, TN
- Philips Ultrasound Clinical Education

Pre-requisite knowledge

A thorough knowledge and understanding of 2D echocardiography and system instrumentation is required for this program.

This course is for physicians and sonographers interested in using Live 3D in clinical practice.

For more information

Contact Philips Ultrasound Clinical Education at **1 800-522-7022** and visit our education portal at **www.philips.com/clinicaleducation**.

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