



# Thinking in 3D

Excitement that comes from the heart

Philips Ultrasound  
University  
Cardiology 302

Real-time 3D echo is expanding the clinical utility of echocardiography by non-invasively bringing the live beating heart to places it has never been before—into the hands of physicians who are planning or performing surgical and interventional procedures, into the EP lab and beyond. It is no wonder leading clinicians predict it will change the practice of echo forever.

## Course description

This is a unique and up-close way to learn in an intensive, informal and intimate setting. Students have the opportunity to participate in a lively and interactive question-and-answer session with Dr. Kisslo and his staff. The Duke team's experience is vast, spanning two decades of practice with real-time 3D. This course is for physicians (cardiologists, anesthesiologists, internists, or others) and sonographers. Individuals benefit when physicians and sonographers from the same institution can attend at the same time. As a professor of medicine at the Duke

University Medical Center in Durham, North Carolina, Dr. Joseph Kisslo is a leading adopter of real-time 3D echo imaging of the heart. He has championed its diagnostic advantages for both the cardiologist and patient since the early days of 3D development. 3D is a natural evolution of any imaging system, and 3D echo is like holding the heart in your hands. Real-time 3D takes this concept one step further by allowing quick and easy visualization of complex cardiac anatomy previously concealed during routine echo exams.

**PHILIPS**

# Thinking in 3D (CV 302)



Joseph Kisslo, MD

“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.”

Dr. Kisslo

## Course objectives

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

- Discuss image orientation and anatomy
- Describe examination techniques
- Describe heart dissections
- Explain how to incorporate real-time 3D imaging into existing imaging protocols
- Discuss the use of Live 3D in a variety of clinical cases

## Facilitators and speakers

- Joseph Kisslo MD, Professor of medicine at the Duke University Medical Center in Durham, North Carolina
- Duke University Medical Team
- Philips Ultrasound Clinical Education

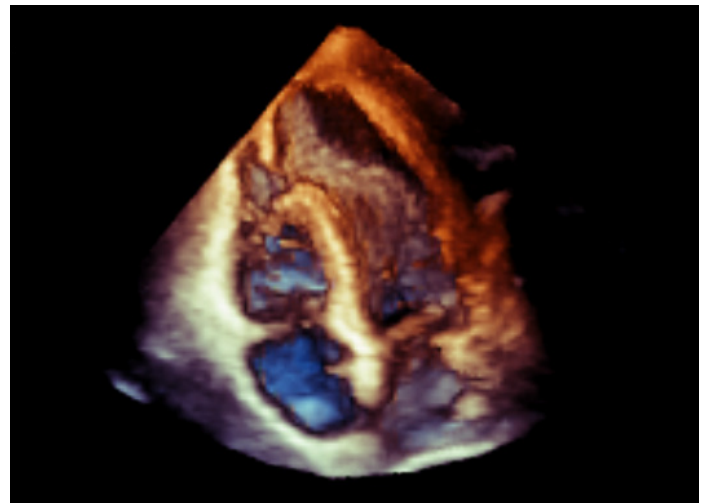
## Pre-requisite knowledge

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](http://www.philips.com/clinicaleducation).



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