



# Live 3D Echo Fundamentals

## Adding value to the diagnosis of heart disease

Philips Ultrasound  
University  
Cardiology 301

This three-day course is designed to provide a solid foundation in Live 3D echocardiography for physicians and cardiac sonographers who are new 3D users.

By increasing familiarity with clinical applications of Live 3D echocardiography and providing a spectrum of situations both physicians and sonographers can use and reference, students develop a comfort level to make 3D part of their scanning protocols.

During this course, students will learn to manipulate 3D datasets containing actual heart disease. Guided workshops and instructor demonstrations compliment detailed presentations on the theory and clinical application of Live 3D echocardiography.

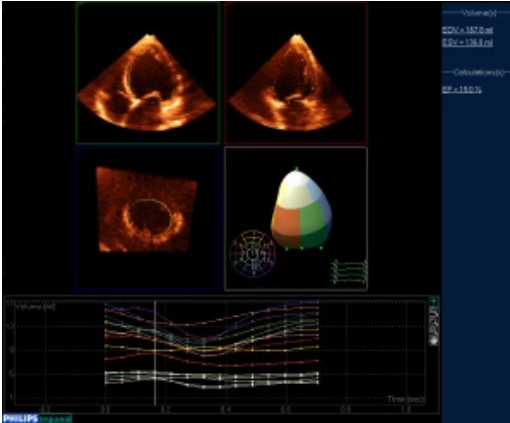
The first day of this three-day course focuses on 3D image acquisition, manipulation, cropping and quantification. Students will have ample opportunity for hands-on experience acquiring images with the ultrasound system and becoming familiar with the acquisition options in Live 3D.

On the second day students will focus on analysis using datasets and QLAB quantification software. Workshops will offer step by step training in cropping and measuring real world examples of clinically relevant datasets.

The final day completes 3D quantification, discusses 3D data management and best practices, and allows for additional scanning time to practice your new skills in Live 3D echo.

# PHILIPS

# Live 3D Echo Fundamentals (CV301)



The goal of this program is to give the student a solid foundation in Live 3D echo by providing a hands-on experience while actually scanning live models. Without the stress of the workplace one can relax and focus on the objectives. Upon completion they can then hone those skills once they return to their own facility.

## Course objectives

Upon completion of this program, attendees should be able to:

- Discuss the strategies for obtaining good quality datasets
- Identify good and poor datasets
- Operate 3D controls and cropping tools
- Manipulate datasets with normal anatomy to show specific cardiac structures
- Manipulate datasets with abnormal anatomy to fully evaluate specific lesions
- Discuss utility and options available in current 3D echo technology
- Identify measurements that can be made using 3D techniques
- Develop a better understanding of the different types of Live 3D datasets

The curriculum offers hands-on scanning, and self guided workshops in which step by step directions are provided which can then be used as a reference at home. Proctors are on hand during workshops to offer assistance.

The course material is suited to physicians and sonographers.



## Prerequisite

Attendees should have completed their onsite installation training and the Advanced Customer Training Cardiovascular Live 3D course.

## Faculty

Philips Ultrasound Clinical Education

## For more information

Contact Philips Ultrasound Clinical Education at 800-522-7022 and visit our education catalog at [www.learningconnection.philips.com/ultrasound](http://www.learningconnection.philips.com/ultrasound)

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