

## Live 3D in complex Congenital Heart Disease

Bridging the gap between 2D and 3D for CHD

Philips Ultrasound  
University  
Cardiology 310

This one-day course is designed to provide pediatric cardiologists, adult congenital cardiologists and cardiac sonographers with the fundamental skills required to obtain and analyze high-quality live transthoracic 3D images of complex congenital heart issues.

David A. Roberson MD, FASE, FACC  
Director of Pediatric Echocardiography  
Associate Professor of Pediatrics,  
Chicago Medical School, The Heart  
Institute for Children, Hope Children's  
Hospital

### Course description

The course will be directed by David A. Roberson, MD, FASE, FACC. Educational material will be presented in the form of lectures, case presentations, informal discussions and hands-on image acquisition and manipulation from live models. Additional image manipulation from stored image loops will be practiced. This course will provide a thorough introduction into the fundamentals of live transthoracic 3D image acquisition and its practical clinical application.

The Philips ultrasound clinical education team will assist in instructing participants on optimizing acquisition, manipulation, cropping, display and quantification of 3D datasets of congenital cardiac defects using QLAB software. Students will have ample opportunity to develop hands-on experience.

**PHILIPS**

# Live 3D in complex Congenital Heart Disease (CV310)



David A. Roberson,  
MD, FASE, FACC

“This course is designed to introduce and develop baseline skills in the acquisition, cropping, manipulation, display and quantitation of 3D echocardiograms of congenital cardiac anomalies. Attendees should acquire the basic skills to introduce 3D echo into their practice. ”

## Course objectives

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

- Acquire, crop, manipulate, display and quantitate 3D echo images
- Describe the uses and limitations of Live 3D echo technology
- Explain how to integrate live 3D echo imaging into clinical practice

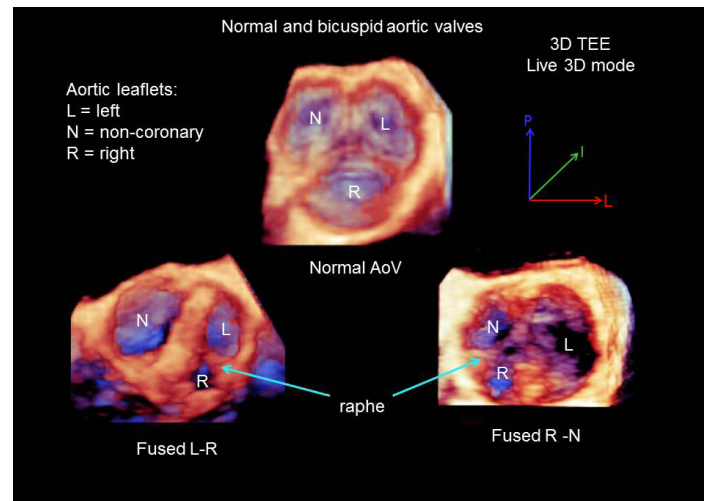
## Facilitators and speakers

- David A. Roberson MD, FASE, FACC  
Director of Pediatric Echocardiography  
Associate Professor of Pediatrics, Chicago  
Medical School, The Heart Institute for  
Children, Hope Children’s Hospital
- Vivian W. Cui MD Imaging Research  
coordinator, The Heart Institute for Children,  
Hope Children’s Hospital
- Philips Ultrasound Clinical Education

## Pre-requisite knowledge

A thorough knowledge and understanding of 2D echocardiography and system instrumentation is required for this program. Participants should have experience in congenital heart disease.

This course is for physicians and sonographers interested in using Live 3D in clinical practice and expanding their knowledge of congenital heart disease.



Please visit [www.learningconnection.philips.com/ultrasound](http://www.learningconnection.philips.com/ultrasound)



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[www.philips.com/healthcare](http://www.philips.com/healthcare)  
[healthcare@philips.com](mailto:healthcare@philips.com)

Philips Healthcare  
22100 Bothell Everett Highway  
Bothell, Washington 98021