



**PHILIPS**

Ultrasound

## 3D Echocardiography in **Structural Heart Disease** 22 and 23 October 2019

Dear Colleague,

Philips is delighted to invite you to the 3D Echocardiography in Structural Heart Disease Course taking place on 22 and 23 October 2019 at the etc.venues County Hall, London.

We are pleased to present the final programme and agenda, as well as travel information to the venue.

This is a two-day course on the current applications of three-dimensional echocardiography in structural heart disease with a strong emphasis on the practical aspects of dataset interrogation and interpretation. A key component of the course will be interactive sessions in which participants can crop and orientate datasets with experienced staff using Philips' QLAB software on a wide variety of congenital defects. There will also be a session on evaluation of left ventricular function and dyssynchrony and a demonstration of 3D acquisition. The course faculty is from the Department of Congenital Heart Disease, Evelina London Children's Hospital, Guy's and St Thomas' NHS Foundation Trust.



### Faculty

**Professor John Simpson,**  
Consultant Paediatric Cardiologist,  
Evelina London Children's Hospital

**Dr. Owen Miller,**  
Consultant Paediatric Cardiologist,  
Evelina London Children's  
Hospital

Fee: £660 (VAT included)



# Day 1

Agenda 22 October 2019

09:00 – 09:10	<b>Welcome and registration</b>
09:10 – 10:00	<b>Lecture: Optimal acquisition of three-dimensional data</b> Patient selection/Ultrasound probe selection Different 3D ultrasound modalities Tips for acquisition of data: gain settings, orientation for different lesions
10:00 – 10:15	<b>Coffee</b>
10:15 – 10:45	<b>Practical demonstration of acquisition of 3D datasets</b> Image settings/Acquisition options Step-by-step guide to acquiring 3D data
10:45 – 12:30	<b>Manipulation of 3D data using QLAB software</b> Types of image representation Understanding QLAB controls Supervised cropping/manipulation of datasets
12:30 – 13:30	<b>Lunch</b>
13:30 – 16:30	<b>Participant cutting cropping and manipulation of 3D datasets</b> Normal datasets. Simple abnormalities Questions and answers/demonstrations of any remaining issues
16:30 – 16:45	<b>Break</b>
16:45 – 17:30	<b>EPIQ 3D hands-on session</b> (optional)





## Day 2

### Agenda 23 October 2019

09:00 – 10:30 **Participant interrogation of 3D datasets of congenital lesions**

Atrial septal defects  
Ventricular septal defects  
Atrioventricular valves  
Sub-aortic stenosis  
Pros/cons of MPR vs 3D rendering

10:30 – 10:45

**Coffee**

10:45 – 12:30

Participant interrogation of more complex congenital heart disease

12:30 – 13:30

**Lunch**

13:30 – 15:30

**3D echocardiographic assessment of:**

Left ventricular function and dyssynchrony  
Technique, editing of volumes, dyssynchrony  
Normal & Cardiomyopathy  
Further datasets: Complex, DORV

15:30 – 16:30

**Participant questions. Summary and conclusions**



The Philips 3D Echocardiography in Structural Heart Disease Course is being held at:  
**etc.venues County Hall, Riverside Building, Belvedere Rd, Lambeth, London, SE1 7PB**

For further information on this event please contact: Denise Bent  
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