This 2 day intensive course has been developed to provide a forum for learning about echocardiography in adults with congenital heart disease. Didactic lectures encompassing the anatomy & physiology in repaired congenital heart disease will be discussed alongside the important echo features & common complications in each condition. Morphologic and echocardiographic imaging will be provided in combination with live scanning sessions and workshops for post-processing analysis of advanced imaging techniques.

The course emphasis is on echocardiography, is aimed at those involved in imaging adult patients with congenital heart disease and is suitable for cardiac physiologists, Cardiologists and medical professionals involved in the care of patients with congenital heart disease.

The course outline is on the next page.

Learning objectives:

By the end of the course, attendees will be able to:

- Understand the sequential segmental analysis
- Recognise repairs of most common lesions
- Identify and assess the most common late complications
- Understand features of the echo which are most important for clinical decision making

To register or for more information about this course, please email morphology@rbht.nhs.uk
Friday 7 July 2017

09:00-09:15 Registration
09:15-09:30 Welcome and Introduction

Session 1: Basic cardiac structure
09:30-09:50 Morphology of the normal heart, Prof Yen Ho.
09:50-10:20 How to perform echocardiography for ACHD patients. Dr Wei Li.
10:20-10:30 Questions

Session 2 Septal defects (ASD, VSD, AVSD)
10:30-10:50 Morphology, Dr Karen McCarthy
11:20-11:30 Questions
Short break

Session 3 Disease of the left ventricular outflow tract (including sub-AS, valvar AS, supra-AS and CoA)
11:45-12:05 Morphology, Prof Yen Ho.
12:05-12:35 Echocardiographic assessment, Ms Cathy West.
12:35-12:45 Questions
Lunch break

Session 4 Transposition of the great arteries (TGA) and congenitally corrected transposition of the great arteries (ccTGA)
2:00-2:30 Morphology, Dr Karen McCarthy
2:30-3:00 Echocardiographic assessment of TGA in repaired adults, Ms Cathy West
3:00- 3:30 Echocardiographic assessment of ccTGA, Dr Harith Alam.
3:30-3:45 Questions
Short break

Session 5 Ebstein anomaly of the tricuspid valve
4:00-4:20 Morphology, Prof Yen Ho.
4:20-4:50 Echocardiographic assessment, Dr Wei Li.
4:50-5:00 Questions

Saturday 8 July 2017

Session 6 Tetralogy of Fallot
9:00-9:20 Morphology, Dr Karen McCarthy
9:20-9:50 Echocardiographic assessment post ToF repair, Dr Harith Alam
9:50-10:00 Questions

Session 7 Univentricular heart
10:00-10:20 Morphology, Prof Yen Ho.
10:20-10:40 Echocardiographic assessment, Dr Michael Rigby.
10:40-11:00 Echocardiographic assessment of the adult patient post Fontan repair, Dr Wei Li
11:00-11:10 Questions
Coffee break

Session 8 Eisenmenger Syndrome and pulmonary hypertension
11:30-11:50 Morphology, Prof Yen Ho.
11:50-12:20 Echocardiographic assessment, Dr Wei Li.
12:20-12:30 Questions

Session 9 Ventricular function
12:30-1:15 Echocardiographic assessment of ventricular function in ACHD, Dr Giovanni di Salvo
Lunch Break

Session 10 Hands on.
2:00-4:30 Live scanning session in small groups with patients and instructors. Also available are workstation based tutorials on post processing including 3D and speckle tracking, strain and strain rate analysis.

Registration:
Full registration including hands-on session £500
Registration for lectures only (1.5 days) £350
Email morphology@rbht.nhs.uk to register. Registration closes 2nd July 2017.