Morphology & Echocardiography in Neonates & Children
Interactive Morphology and Echo Course
Course Provisional Programme

RCPCH approves this activity for CPD in accordance with the current RCPCH CPD guidelines.(Applied for)
4 BSE points.(Applied for)

Wednesday 2nd October – Foundations of Congenital Echocardiography

Morning Session
09:00 - 09:15 Registration and coffee
09:15 - 09:25 Introduction and Welcome;
09:25 - 10:20 Normal cardiac anatomy
10:20 - 11:20 Echo planes & morphological correlation
11:20 - 11:45 Tea / coffee

11:45 - 12:15 Sequential segmental analysis on echocardiography
12:15 – 12.45 The physics of echocardiography in practice

12.45 – 13.30 Lunch

Afternoon Session
13.30 - 14:15 Live Scanning
14:15 -14.35 The physics of Doppler in practice
14:35 - 15:15 Echo techniques: basic modes
15:15 - 15:45 Tea / coffee
15:45 - 16:20 Echo techniques probes and image optimization
16:20 - 17:00 Quiz and discussion

17.00– 18.30 – Drinks reception
Please join us as our guests to network and enjoy a drink with the faculty

Thursday 3rd October

Morning Session – Introduction
08:30 – 09:15 Optional breakfast session – hands-on mannequin and 3D models
09:15 - 09:20 Introduction and Welcome;
09:20 - 10:05 Sequential segmental analysis (morphology)

10:05 - 10:45 Sequential segmental analysis on echocardiography
10:45 - 11:10 Example cases using segmental sequential analysis

11:10 - 11:30 Tea / coffee

Morning Session continued – The Child with a Murmur

11.30 – 11:45 Morphology of atrial septal defects
11.45 – 12:10 Echocardiography of atrial septal defects
12.10 – 12.30 Morphology of patent arterial duct
12:30 – 13:00 Echocardiography of patent arterial ducts
13:00 – 13:45 Lunch with optional hands-on activities/Virtual reality navigation/3D models/ Mannequin.

Afternoon Session - The Breathless Child

13:45 – 14:20 Morphology of ventricular septal defects
14:20 – 14:55 Echocardiography of ventricular septal defects
14:55 – 15:15 Quiz

15:15 – 15:45 Coffee/Tea

Afternoon Session - The Breathless Child continued

15:45 - 16:30 Morphology of atrioventricular septal defects

16:30 –17.00 Echocardiography of atrioventricular septal defects
17.00 – 17:15 Surgery for atrioventricular septal defects
17:15 – 17:30 Quiz/Discussion/Q and A

17.30 Close

Friday 4th October

Morning Session
08:30 – 09:20 Optional breakfast session – hands-on mannequin and 3D models
09.00 - 09.20 Registration and coffee
09.20 – 09.50 Echo assessment of pulmonary hypertension
09.50 – 10:00 Case presentation
10:00 – 10:30 Assessment of ventricular function

10.30 – 10.50 Coffee
10.50 – 11:20 Morphology of right ventricular outflow tract obstruction

11:20 – 11:40 Echocardiography of right ventricular outflow tract obstruction

11:40 – 12:20 Reporting cases
12:20 – 13:30 Lunch with optional hands-on activities/Virtual reality navigation/3D models/Mannequin

Afternoon Session - The Blue Baby
13.30 – 14.00 Morphology of tetralogy of Fallot
14.00 – 14.30 Echocardiography of tetralogy of Fallot:
14.30 – 14.50 Surgery for tetralogy of Fallot
14.50 – 15.20 Morphology of transposition

15.20 – 15.45 Tea/Coffee
15.45 – 16.10 Echocardiography of transposition
16.10 – 16.30 Surgery for transposition
16.30 – 17.00 Case presentation
17.00 – 17.15 Quiz
17.15 Close

Saturday 5th October

Morning Session - The Shocked Neonate
08:30 – 09:20 Optional breakfast session – hands-on mannequin and 3D models

09.00 – 09.20 Registration and Coffee
09.20 – 09.45 Morphology of LVOTO:
09.45 – 10:15 Echocardiography of LVOTO
10:15 – 10:40 Morphology of coarctation and interrupted aortic arch

10:40 – 11.10 Echocardiography of coarctation of the aorta and interrupted arch

11:10 – 11:30 Tea/Coffee
11:30 – 12.00 Morphology of hypoplastic left heart syndrome
12.00 – 12.25 Overview of surgery for hypoplastic left heart syndrome
 12.25 – 12:55 Echocardiography of hypoplastic left heart syndrome

12.55 – 13:15 Quiz/Discussion/Q & A
13.15 Course Close

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