

## **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. 4 BSE points.***

***Application in progress.***

### **Wednesday 5<sup>TH</sup> October – Foundations of Congenital Echocardiography**

#### **Morning Session**

**09:00 - 09:20** Registration and coffee

**09:20 - 09:30** Introduction and Welcome

**09:30 - 10:30** Normal cardiac anatomy

**10:30 - 11:30** Echo planes & morphological correlation

**11:30 - 11:50** Tea / coffee

**11:50 - 12:30** Sequential segmental analysis on echocardiography

**12:30 - 13:00** Live scanning

**13.15 – 14.00** Lunch

#### **Afternoon Session**

**14.00 - 14:40** The physics of echocardiography

**14:40 - 15:25** Echo techniques: basic modes

**15:25 - 15:45** Tea / coffee

**15:45 - 16:30** Echo techniques probes and image optimisation

**16:30 - 17:00** Quiz and discussion

### **Thursday 6<sup>th</sup> October**

#### **Morning Session – Introduction**

**09:00 - 09:20** Registration and coffee

**09:20 - 09:30** Introduction and Welcome

**09:30 - 10:00** Sequential segmental analysis (morphology)

**10:00 - 10:40** Sequential segmental analysis on echocardiography

**10:40 - 11:10** Example cases using segmental sequential analysis

**11:10 - 11:30** Tea / coffee

#### **Morning Session continued - The Breathless Child**

**11.30- 12:00** Morphology of ventricular septal defects

**12.00 – 12.30** Echocardiography of ventricular septal defects

**12.30 -13.00** Quiz

**13:00 – 13.45 Lunch**

**Afternoon Session - The Breathless Child** continued

**13:45 – 14.00** Quiz cases

**14:00 – 14:30** Morphology of atrioventricular septal defects

**14:30 – 15.00** Echocardiography of atrioventricular septal defects

**15.00 – 15.45** Surgery for atrioventricular septal defects

15.45 – 16.10 Coffee/Tea

**Afternoon Session – Murmurs**

**16.10 – 16.25** Morphology of atrial septal defects

**16.25 – 16.45** Echocardiography of atrial septal defects

**16.45 – 17.00** Morphology of patent arterial duct

**17.00 – 17.20** Echocardiography of patent arterial ducts

**17.20 – 17.30** Discussion and Q and A

**17.30 – 18.30 – Drinks reception**

## Friday 7<sup>th</sup> October

**Morning Session**

**09.00 - 09.20 Registration and coffee**

**09.20 – 09.50** Quiz and recap

**09.50 – 10.10** Case

**10.10 – 10.30 Sponsor session Advanced modes: 3D imaging**

**10.30 – 10.50 Coffee**

**10.50 – 11.15** Morphology of right and left ventricular outflow tract obstruction

**11.15 – 11.50** Echocardiography of right and left ventricular outflow tract obstruction

**11.50 – 12.00** Case

**12.15 – 12.45** Quiz

**12.45 – 13.45 Lunch**

**Afternoon Session - The Blue Baby**

**13.45 – 14.10** Morphology of tetralogy of Fallot

**14.10 – 14.40** Echocardiography of tetralogy of Fallot

**14.40 – 14.55** Surgery of tetralogy of Fallot

**14.55 – 15.30** Case report with morphology correlation ((DORV))

**15.30 – 15.50** Tea/Coffee

**15.50 – 16.15** Morphology of transposition

**16.15 – 16.40** Echocardiography of transposition

**16.40 – 17.00** Surgery for transposition

17.00 – 17.15 Quiz

17.15 Close

## Saturday 8<sup>th</sup> October

### Morning Session - The Shocked Neonate

09.00 – 09.20 Registration and Coffee

09.20 – 09.45 Morphology of coarctation and interrupted aortic arch

09.45 – 10.15 Echocardiography of coarctation of the aorta and interrupted arch

10.15 – 10.40 Morphology of hypoplastic left ventricles

10.40 – 11.20 Echocardiography of hypoplastic left ventricles

11.20 – 11.45 Tea / coffee

11.45 – 12.15 Assessment of pulmonary hypertension by echocardiography

12.15 – 12.50 Echo Quiz

12.50 – 13.00 Discussion and Course Close

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