



Morphology & Echocardiography in Neonates & Children Hands-on Interactive Morphology and Echo Course

This year's congenital echocardiography course will be held at University Hospital Southampton from 10th to 13th October 2018.

The course covers the fundamentals of morphology and echocardiography of congenital cardiac abnormalities, in a highly interactive style.

The congenital echocardiography course offers a fantastic opportunity for teaching by morphologist and surgeon Adrian Crucean on selected cardiac specimens.

An optional half-day of hands-on teaching is included, from our experienced faculty with real patients.

Course Organisers: Anna Seale, Tara Bharucha, Adrian Crucean, Anne Banning.

RCPH approved this activity for CPD in accordance with the current RCPH CPD Guidelines. 3 BSE points.

Course Programme

Wednesday 10th October 2018

Morning Session

09:00 - 09:30 Registration

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

Lunch

Afternoon Session

13:30 - 14:15 Physics of Echocardiography

15:00 - 15:45 Echo techniques: probes, image optimisation

15:45 - 16:05 Break

16:55 - 17:30 Quiz and discussion

Continued ...





Thursday 11th October 2018

Morning Session - Introduction

- 09:00 - 09:30 Registration and Coffee
- 09:30 - 09:40 Introduction and Welcome
- 09:40 - 10:10 Sequential Segmental Analysis
- 10:10 - 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 - Breathless Child

- 11:30 - 12:00 Morphology of Ventricular Septal Defects
- 12:00 - 12:30 Echocardiography of Ventricular Septal Defects
- 12:30 - 12:45 Case report and morphology correlation
- 12:45 - 13:30 Lunch

Afternoon Session - Breathless Child continued

- 13:30 - 14:00 Morphology of Atrioventricular Septal Defects
- 14:00 - 14:30 Echocardiography of Atrioventricular Septal Defects
- 14:30 - 14:45 Case report with morphology
- 14:45 - 15:05 Sponsor session: Advanced modes – 3D imaging
- 15:05 - 15:25 Tea / coffee

Afternoon Session - Murmurs

- 15:25 - 15:40 Morphology of atrial septal defects
- 15:40 - 16:00 Echocardiography of atrial septal defects
- 16:00 - 16:10 Morphology of patent arterial duct
- 16:10 - 16:30 Echocardiography of patent arterial ducts
- 16:30 - 16:55 Morphology of right and left ventricular outflow tract obstruction
- 16:55 - 17:25 Echocardiography of right and left ventricular outflow tract obstruction
- 17:25 - 17:50 Echo Quiz
- 17:50 - 18:00 Questions and Close
- 18:00 - 19:30 Drinks and canapes

Continued ...





Friday 12th October 2018

Morning Session - Blue baby

- 09:00 - 09:30** Morphology of Tetralogy of Fallot
09:30 - 10:00 Echocardiography of Tetralogy of Fallot
10:00 - 10:30 Morphology of Transposition
10:30 - 11:00 Echocardiography of Transposition
11:00 - 11:20 Tea / coffee
11:20 - 11:50 Case report with morphology correlation
11:50 - 12:20 Assessment of pulmonary hypertension by echocardiography
12:20 - 12:45 Case report with morphology correlation
12:45 - 13:05 Sponsor session: Advanced modes – TDI and deformation imaging
13:05 - 13:45 Lunch

Afternoon Session - Shocked Neonate

- 13:45 - 14:10** Morphology of Coarctation of the Aorta and Interrupted Aortic Arch
14:10 - 14:35 Echocardiography of Coarctation of the Aorta and Interrupted Arch
14:35 - 15:00 Morphology of hypoplastic left ventricles
15:00 - 15:25 Echocardiography of hypoplastic left ventricles
15:25 - 15:45 Tea / coffee
15:45 - 16:30 Quiz
16:30 - 16:40 Discussion and Close

Saturday 13th October 2018

- 09:30 - 13:30** Hands-on
09:30 - 11:00 session 1
11:00 - 11:30 tea/ coffee
11:30 - 13:00 session 2
13:00 - 13:30 discussion, wrap-up

Contacts

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