

ECHOCARDIOGRAPHY IN PAEDIATRIC CONGENITAL HEART DISEASE



New South Glasgow University Hospital & Royal Hospital for Sick Children

This course does not presume any prior Paediatric Echocardiography experience, although those with a basic level of experience in Echocardiography will find it much easier to follow. It provides clinically relevant lectures, case studies and hands-on small group tutorial on performing echocardiography with participating volunteer paediatric patients. The course is delivered by consultant paediatric cardiologists, consultant neonatologist with expertise in cardiology and paediatric cardiology specialist registrars/advanced clinical physiologists who received European accreditation in congenital heart disease echocardiography. A course lecture handout is provided via this website: <http://www.paediatricecho.co.uk/> (*currently under construction*). The course fills quickly so early applications are advised.

Day 1
Tuesday 28th April 2015

09.00 – 09.15

Registration in Cardiology Department

Lectures will be in the Cardiology Seminar Room

09.15 – 09.20

Alan Houston

Introduction

09.20 – 11.00

Lecture

Stuart Lilley

The Normal Echo Study
Practical Physics & Instrumentation

11.00 – 11.20

- Tea/Coffee -

11.20 – 13.00

Practical Studies

M-mode, 2D echo and Doppler Image
Optimisation

13.00 – 13.45

- Lunch -

13.45 – 15.00

Lecture

Brodie Knight

Normal anatomy, segmental analysis &
Morphology

15.00 – 15.20

- Tea/coffee -

15.20 – 17.00

Practical Studies

Normal subjects and minor lesions

Day 2
Wednesday 29th April 2015

Lectures

09.00 – 10.00	Brodie Knight	ASD/PAPVD/TAPVD
10.00 – 11.00	Ben Smith	VSD/AVSD

11.00 – 11.20 - Tea/coffee -

11.20 – 13.00	Practical Session	ASD PAPVD/TAPVD VSD AVSD
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13.00 – 13.45 - Lunch -

Lectures

1.45 – 2.15	Alan Houston	Arterial Duct
2.15 – 2.45	Ben Smith	Coarctation of Aorta & IAA
2.45 – 3.10	Nanda Prabhu	Assessment of ventricular function
3.10 – 3.30	Lindsey Hunter	Cardiomyopathies & ALCAPA

15.30 – 15.50 - Tea/coffee -

15.50 – 17.30	Practical Session	Arterial duct Coarctation of Aorta Cardiomyopathy
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Day 3
Thursday 30th April 2015

9.00 – 9.50	Lecture Maria Ilina	RVOT lesions (PS, Tetralogy of Fallot, PA/VSD, PA/IVS)
9.50 – 10.40	Patrick Noonan	LVOT lesions including HLHS
10.40 – 11.00	- Tea/coffee -	
11.00 – 12.40	Practical Session	Tetralogy of Fallot Pulmonary Stenosis Aortic Stenosis HLHS
12.40 – 13.40	- Working lunch -	Telemedicine Demonstration
	Lectures	
13.40 – 14.30	Kathleen O'Reilly	Neonatal assessment
14.30 – 15.30	Lesley Armour	Complex bi-ventricular heart
15.30 – 15.50	- Tea/coffee -	
15.50 – 17.30	Practical Session	TGA Congenitally corrected TGA Ebstein anomaly Univentricular heart
19.30	Course Dinner: Venue TBC	

Day 4
Friday 1st May 2015

Lectures

09.00 – 10.10	Maria Ilina	Complex univentricular heart
10.10 – 10.50	Alan Houston	Murmur and PA pressure assessment
10.50 – 11.20	- Tea/coffee -	
11.20 – 12.10	Ben Smith	What to do when? Post op Echo: TOF AVSD Fontan Hypoplastic left heart syndrome
12.10 – 13.30	Stuart Lilley	Summary & Quiz

Please complete and hand in course evaluation forms

- End of Course -

FACULTY LIST

Dr Alan Houston, Consultant Paediatric Cardiologist

R.H.S.C

Dr Maria Ilina, Consultant Paediatric Cardiologist
R.H.S.C

Dr Brodie Knight, Consultant Paediatric Cardiologist
R.H.S.C

Dr Benjamin Smith, Consultant Paediatric Cardiologist
R.H.S.C

Dr Patrick Noonan, Consultant Paediatric Cardiologist
R.H.S.C

Dr Lindsey Hunter, Consultant Paediatric Cardiologist
R.H.S.C

Dr Kathleen O'Reilly, Consultant in Neonatal Medicine
R.H.S.C

Dr Nanda Prabhu, Specialist Registrar in Paediatric Cardiologist
R.H.S.C

Stuart Lilley, Senior Cardiac Physiologist, Head of Echocardiography
R.H.S.C

Joanne Cusack, Senior Cardiac Physiologist
Forth Valley Hospital

Lesley Armour, Cardiac Physiologist
R.H.S.C

Eamon Murtagh, Cardiology Department Manager
R.H.S.C

Course Directors: Dr Alan Houston, Dr Maria Ilina
Course Administrator: Michelle Drum, Cardiology Secretary
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