



**Scottish Paediatric
Cardiac Service**



ECHOCARDIOGRAPHY IN PAEDIATRIC CONGENITAL HEART DISEASE



Royal Hospital for Children & Queen Elizabeth University Hospital, Glasgow

www.paediatricecho.co.uk

Overview

The course provides clinically relevant lectures, case studies and hands-on small group tutorial on performing echocardiography with participating volunteer paediatric patients, delivered by consultant paediatric cardiologists, consultant neonatologist with expertise in cardiology and advanced cardiac physiologists with ESC accreditation in congenital heart disease echocardiography. Those with a basic level of experience in Echocardiography will find it much easier to follow. Course lecture handouts will be provided via the course website: <http://www.paediatricecho.co.uk/>. The course fills quickly so early applications are advised.

Day 1
Tuesday 21th April, 2020

**Venue: QEUH Teaching & Learning Centre (TLC), 1st floor
Clinical Skills Area**

09.00 – 09.15 Registration

Lectures:

09.15 – 09.20 Alan Houston Introduction

**09.20 – 10:40 Stuart Lilley The Normal Echo Study
Practical Physics & Instrumentation**

10:40 – 11.00 ~ Tea/Coffee ~

**11.00 – 12.30 Brodie Knight Normal anatomy, segmental analysis &
morphology**

12.30 – 13:00 Alan Houston Murmurs

13:00 – 14:00 ~ Lunch ~

Practical Studies:

14:00 – 15.45 M-mode, 2D echo and Doppler Image Optimisation

15.45 – 16.00 ~ Tea/coffee ~

16.00 – 17.30 Normal subjects and minor lesions

Day 2
Wednesday 22nd April, 2020

Venue: QEUH TLC, 1st floor, Clinical Skills Area

Lectures:

9.00 – 10:00	Lindsey Hunter	Assessment of ventricular function Cardiomyopathies & ALCAPA
10:00 – 10:30	Anne Marie Heuchan	Arterial Duct
10:30 – 10:50	~ Tea/coffee ~	
10:50 – 11:40	Helen Fulton	ASD/PAPVD/TAPVD
11:40 – 12:40	Emma Finlay	VSD/AVSD
12:40 – 13:30	Neil Patel	Echocardiography in Neonatology
13:30 – 14:15	~ Lunch ~	

Practical Studies:

14:15 – 15.45	LV dysfunction, Cardiomyopathy, PDA
15.45– 16:00	~ Tea/coffee ~
16:00 – 17.30	ASD, pulmonary veins, VSD, AVSD

Day 3
Thursday 23rd April, 2020

Venue: QEUH TLC, 1st floor, Clinical Skills Area

Lectures:

9:00 - 9:40	Ben Smith	CoAo & Interrupted Aortic Arch
9:40 - 10:40	Patrick Noonan	Left-sided obstructive lesions
10:40 - 11:00	~ Tea/coffee ~	
11:00 - 12:15	Maria Ilina	RVOT lesions (PS, Tetralogy of Fallot, PA/VSD, PA/IVS)
12:15 - 13:30	Lesley Armour	Complex biventricular heart
13:30 - 14:15	Lunch	

Practical Studies:

14:15- 15:45	Aortic Stenosis, CoA, HLHS, RVOT, TOF
15:45- 16:00	~ Tea/coffee ~
16:00 - 17.30	TGA, Congenitally corrected TGA, Ebstein anomaly, Univentricular heart
19.30	Course Dinner: (venue TBC)

Day 4
Friday 24th April, 2020

Venue: QEUH TLC, 1st floor, Clinical Skills Area

Lectures:

09.00 - 9.40	Maria Ilina	Echocardiography in univentricular heart
09:40 - 10:50	Ben Smith	What to do when? Post op Echo: TOF AVSD Glenn TCPC including HLHS
10:50 - 11.10	~ Tea/coffee ~	
11.10 - 12.30	Guest Lecture (TBC)	
12.30 - 13.30	Stuart Lilley	Summary & Quiz

**Please complete and hand in course evaluation forms, then
receive password to download handouts**

~ End of Course ~

FACULTY LIST

**Lesley Armour, Paediatric Cardiac Physiologist
R.H.C.**

**Emma Finlay, Paediatric Cardiac Physiologist
R.H.C.**

**Helen Fulton, Paediatric Cardiac Physiologist
R.H.C.**

**Alan Houston, Consultant Paediatric Cardiologist
R.H.C.**

**Lindsey Hunter, Consultant Paediatric Cardiologist
R.H.C.**

**Maria Ilina, Consultant Paediatric Cardiologist
R.H.C.**

**Brodie Knight, Consultant Paediatric Cardiologist
R.H.C.**

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

**Patrick Noonan, Consultant Paediatric Cardiologist
R.H.C.**

**Anne-Marie Heuchan, Consultant Neonatologist
Q.E.U.H**

**Neil Patel, Consultant Neonatologist
Q.E.U.H.**

**Benjamin Smith, Consultant Paediatric Cardiologist
R.H.C.**

Demonstrators: Lynsey McIntyre, Cardiac Physiologist, R.H.S.C. of Edinburgh; Joanne Cusack, Head of Cardiac Physiology Department, Forth Valley Royal Hospital; Dr Muhammad Walayat, Consultant Paediatric Cardiologist; Dr Nanda Prabhu, Consultant Paediatric Cardiologist; Mr Eamon Murtagh, Senior Cardiac Physiologist; course faculty

Course Directors: Lesley Armour, Emma Finlay, Helen Fulton, Maria Ilina

Course Administrator: Michelle Drum, Cardiology Secretary

Tel: 0141 451 6512, e-mail: admin@paediatriccho.co.uk

Course website www.paediatriccho.co.uk

This course would not be possible without the support from:

GE Healthcare