



**Paediatric Congenital Heart Disease
Echocardiography Course Programme
PROVISIONAL
7 - 8 May 2022**

Location: The Freeman Hospital, Cardiothoracic Centre, Newcastle upon Tyne, NE7 7DN, IOT Level 4 and Clinic E, Main Outpatients.

Accreditation applied for: BSE (British Society of Echocardiography) points and RCPCH (Royal College of Paediatrics and Child Health) approval.

This specialist course will appeal to a range of healthcare professionals including consultant paediatricians, trainees (paediatrics – PECSIG, neonatology, paediatric cardiology, ACHD, cardiac surgery, cardiac anaesthesia, intensive care), cardiac Physiologists, GPs, cardiac Nurse Specialists, Physician Associates, Radiographers and Allied Health Professionals both regionally and nationally.

Please take our **pre-course survey** to help us plan the course days based on your current Echo skills: <https://networksurveys.survey.fm/echo-pre-course>

Learning Objectives:

The course approach is to deliver theoretical teaching supported by small group, objective based, hands-on learning using technical principles of ultrasound imaging and sequential acquisition of cardiac lesions.

By the end of this course, candidates will be able to outline a wide range of structural heart lesions using echocardiography.

Participants will be able to recognise different types of cardiac anatomy from normal heart to a variety of simple and complex cardiac pathology.

By the end of this course, participants will be able to demonstrate hands on techniques of echocardiography in children.

On completion of this course, candidates will be able to differentiate between normal and abnormal morphological evaluation using a methodological approach.

By the end of the course, candidates will be able to appraise the practice of congenital echocardiography in their own working environment.

On completion of the course, candidates will be able to develop a structured approach to sequential segmental echocardiography.

Day 1 Time	Topic	Speaker
0900 – 0920	Registration/Refreshments	
0920 – 0930	Introduction	Abbas Khushnood
0930 – 0950	Normal Echo Study – Basic Physics/Image Optimisation	Anna Johnson
0950 – 1020	TTE – Sequential Segmental Analysis	Tom Banks
1020 – 1040	Functional assessment: M mode/Doppler Imaging	Abbas Khushnood
1040 – 1050	Coffee Break	
1050 – 1110	Simple Lesions: PDA	Prashant Mallya
1110 – 1130	Simple Lesions: ASD	Anna Johnson
1130 – 1150	Simple Lesions: VSD	Tom Banks
1150 – 1210	AVSD	Satyam Veeratterapillay
1210 – 1230	Coarctation of Aorta/IAA	Madhu Podalakur
1230 – 1330	Lunch	
1330 – 1630	Hands-on Practical sessions: Normal anatomy and simple lesions (ASD, VSD, PDA, CoA etc.)	All
1630 – 1700	Discussion, Feedback Day 1	Abbas Khushnood

Day 2 Time	Topic	Speaker
0830 – 0840	Registration/Refreshments	
0840 – 0900	Right sided valve lesions & outflow tracts – Fallot's	Lekshmy Prasad
0900 – 0920	Right sided valve lesions – PS, PA/VSD, PA/IVS	Lekshmy Prasad
0920 – 0940	Left sided valve lesions – AS, AR, MS/MR	Nicola Boyd
0940 – 1000	TGA, ccTGA	Ali Heads-Baister
1000 – 1030	Rare complex: Ebstein's, DORV, Truncus, ALCAPA	David Crossland
1030 – 1040	Coffee Break	
1040 – 1100	Univentricular lesions: HLHS, Tricuspid Atresia, unbalanced AVSD	David Crossland
1100 – 1120	TAPVD/PAPVD/PVS	Ali Heads-Baister
1120 – 1150	Cardiomyopathy/IHD	Michael Sammaan
1150 – 1210	Acute assessment – ICU, Pericardial effusion, Tamponade	Nicola Boyd
1210 – 1300	Lunch	
1300 – 1600	Hands-on Practical sessions: Common cardiac lesions (TOF, AVSD, PS, AS etc.)	All

1600 – 1630	Informal Discussion, Feedback Day 2	Abbas Khushnood
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Faculty

Physicians:

Dr David Crossland, Consultant Paediatric Cardiologist & Department Lead
(Freeman Hospital)

Dr Prashant Mallya, Consultant Neonatologist (James Cook Hospital)

Dr Madhu Podalakur, Consultant Paediatrician & PECSIG (North Tees Hospital)

Dr Lekshmy Prasad, Consultant Paediatrician & PECSIG (James Cook Hospital)

Dr Satyam Veeratterapillay, Consultant Paediatrician/PECSIG (South Tyneside &
Sunderland)

Dr Nicola Boyd, Cardiology SpR (Freeman Hospital)

Dr Michael Sammaan, Cardiology SpR (Freeman Hospital)

Cardiac Physiologist - Echocardiography (Freeman Hospital):

Anna Johnson, Senior Cardiac Physiologist and Echocardiography Lead

Ali Heads-Baister, Senior Cardiac Physiologist

Tom Banks, Cardiac Physiologist

Jill Wake, Cardiac Physiologist

Victoria Ritchie, Cardiac Physiologist

Organisers:

Kaye Walsh, Network Lead Nurse

Rebecka Nordstrom, Network Administrator

Dr Abbas Khushnood, Consultant Paediatric Cardiologist & Network Lead

Your views are very important to us and we would be grateful if you could spare a few minutes of your time to complete the **post-course feedback**:

<https://networksurveys.survey.fm/echo-post-course>