

Brighton Paediatrics:

Hands on Echo course for Neonatologists & Paediatricians

Friday 16th February and Saturday 17th February 2018 (08:00 to 17:30 hours)

(CPD requested from RCPCH and BSE)

For Registration, please email: pvenugopalan@gmail.com

Venue: Royal Alexandra Children's Hospital, Eastern Road, Brighton, UK, BN2 5BE

Day 1: Audrey Emerton Building, Brighton & Sussex University Hospitals NHS Trust, Eastern Road, Brighton, BN2 5BE

Day 2: Children's Outpatient Clinic, Royal Alexandra Children's Hospital, Brighton & Sussex University Hospitals NHS Trust, Eastern Road, Brighton, BN2 5BE

Target audience and Course Objectives

This is a Basic Plus course that will benefit paediatric, neonatal, PICU and Emergency Paediatrics trainees and consultants, and cardiac sonographers who have recently commenced or intend to commence performing echocardiograms on neonates and children. The first day aims to deliver the essential theoretical knowledge and the second day will focus on acquiring practical skills.

- Participants will familiarise with the relevant cardiac morphology
- Participants will learn the different echo windows and views
- Participants will achieve an understanding of the physics around good echo imaging
- Participants will understand the echo imaging of different heart defects
- Participants will perform supervised echocardiograms on babies and children (including functional assessment), record appropriate image loops and seek help when required
- Participants will be able to recognise a range of abnormal echocardiograms

Course Highlights

- Full one day devoted to review of the morphology, echo windows and physics that underline good echocardiography skills
- Hands-on opportunity to practice echo-imaging skills on neonates and children of different ages
- Small group discussions with Cardiologists and Neonatologists on common day to day issues related to echocardiography
- Exposure to a wide range of abnormal echo images, with discussion
- Special attention to the needs of Neonatal, PICU & Emergency paediatrics trainees
- Programme has been prepared in consultation with families of heart disease children, and a representative will participate in the inaugural session.
- Equality & Diversity Principles have been taken into consideration for the contents and presentation.

Course Organisers and Faculty

Course Director:

Dr P Venugopalan, Consultant Paediatrician with Cardiology Expertise, Brighton & Sussex University Hospitals NHS Trust (pvenugopalan@gmail.com); Chair & Convenor, PECSIG

Course Organisers:

Dr R Fernandez, Consultant Neonatologist, Brighton & Sussex University Hospitals NHS Trust, Brighton (ramon.fernandez@bsuh.nhs.uk)

Dr N Aiton, Consultant Neonatologist, Brighton & Sussex University Hospitals NHS Trust, Brighton (neil.aiton@bsuh.nhs.uk)

Dr P Bhat, Consultant Neonatologist, Brighton & Sussex University Hospitals NHS Trust, Brighton (prashanth.Bhat@bsuh.nhs.uk)

Course Faculty:

Dr Rob Martin, Consultant Paediatric Cardiologist, Bristol Children's Hospital, Bristol

Dr H Bellsham-Revell, Consultant Paediatric Cardiologist, Evelina London Children's Hospital

Dr S Narayan, Paediatric Cardiology Registrar, Evelina London Children's Hospital

Dr P Dey, Consultant Paediatrician with Cardiology Expertise, Stoke Mandeville Hospital, Oxford

Dr J Thomson, Consultant Paediatrician with Cardiology Expertise, Whipps Cross Hospital, London

Dr V Rasiah, Consultant Neonatologist, Birmingham Women's Hospital, Birmingham

Dr T Otunla, Consultant Neonatologist and PEC, Ashford & St Peter's Hospital, Chertsey, Surrey

Dr S Bokhandi, Consultant Paediatrician with Cardiology Expertise, Poole General Hospital

Dr M Shetty, Consultant Neonatologist, Poole Hospital

Dr B Bhojnagarwala, Consultant Paediatrician with Cardiology expertise, Chertsey & Westminster Hospital, London

Dr R Patel, Consultant Paediatrician with Cardiology Expertise, Hull Royal Infirmary

Dr V Shah, Consultant Paediatrician & Neonatologist with Cardiology Expertise, William Harvey Hospital, Kent

Dr Rajesh Gabani, Consultant paediatrician with cardiology expertise, Woolwich Hospital, London

Dr Pradeesh Mappa, Consultant paediatrician with cardiology expertise, Swindon General Hospital

Dr Jay Banerjee, Consultant Neonatologist, Imperial College Healthcare NHS Trust, London

Dr Sunitha Sampath, Consultant Paediatrician with Cardiology Expertise, Barnsley Hospital

Ms C Thompson, Senior Cardiac Sonographer, Brighton & Sussex University Hospital, Brighton

Dr R Fernandez, Consultant Neonatologist, Brighton & Sussex University Hospitals NHS Trust

Dr P Bhat, Consultant Neonatologist, Brighton & Sussex University Hospitals NHS Trust

Programme – Friday 16th February 2018

08.45 – 09.00	Registration & Coffee	
09.00 - 09.30	Course Inauguration & Welcome (including house keeping)	R Watkins / P Venugopalan
09.30 – 10.15	Echo Windows and views	P Venugopalan
10.15 – 10.45	Functional echo in the sick neonate	T Otunla
10.45 – 11.15	Echo assessment of PPHN	P Bhat
11.15 – 11.30	Coffee	
11.30 – 12.15	Essential Physics including Doppler	S Narayan
12.15 – 13.00	Echo assessment of CHD – left to right shunts	R Martin
13.00 – 14.00	Lunch	
14.00 – 14.45	Echo assessment of CHD – Obstructive lesions	R Martin
14.45 – 15.30	Echo assessment of CHD – left to right lesions	H Bellsham-Revell
15.30 – 15.45	Coffee	
15.45 – 16.15	Morphology – segmental analysis	H Bellsham-Revell
16.15 – 16.45	PDA assessment in the neonate	V Rasiah
16.45 – 17.15	Normal echo images album	R Gabani
19.00	Course Dinner	Delegates & Faculty

Programme - Saturday 17th February 2018

08.00 - 08.45	Quick recap Windows/Views/Probes	S Bokhandi & J Thomson
08.45 – 09.00	Programme outline for day 2	P Venugopalan
09.00 – 12.00	Hands on stations 1-10; – 90 minutes each, by rotation. [Coffee/tea/snacks will be available throughout the session] Dr R Martin and Dr Bellsham-Revell to go round the stations	All Faculty
	Station 1 – Hands on station	TBC
	Station 2 – Hands on station	R Gabani
	Station 3 – Hands on station	P Dey / S Sampath
	Station 4 – Hands on station	J Thomson
	Station 5 – Hands on station	S Bokhandi
	Station 6 – Hands on station	M Shetty

	Station 7 – Hands on station	R Patel
	Station 8 – Hands on station	V Shah
	Station 9 – Hands on station	T Otunla / J Banerjee
	Station 10 – Hands on station	V Rasiah
12.00 – 13.00	Lunch	
13.00 – 16.00	Hands on stations 1-10; -90 minutes each [Coffee/tea/snacks will be available throughout the session] Dr R Martin and Dr Bellsham-Revell to go round the stations	Faculty
	Station 1 – Hands on station	TBC
	Station 2 – Hands on station	R Gabani
	Station 3 – Hands on station	P Dey / S Sampath
	Station 4 – Hands on station	J Thomson
	Station 5 – Hands on station	S Bokhandi
	Station 6 – Hands on station	M Shetty
	Station 7 – Hands on station	R Patel
	Station 8 – Hands on station	V Shah
	Station 9 – Hands on station	T Otunla / J Banerjee
	Station 10 – Hands on station	V Rasiah
16.00 – 17.00	Common abnormal echo clips with discussion	P Dey & M Shetty