

## Hands on Echo course for Neonatologists & Paediatricians

Friday 15<sup>th</sup> February and Saturday 16<sup>th</sup> February 2019 (09:00 to 17:30 hours)

**(CPD requested from RCPCH and BSE)**

**For Registration, please email: [pvenugopalan@gmail.com](mailto:pvenugopalan@gmail.com)**

**Registration fee: £350 until 1<sup>st</sup> January 2019**

**Venue: Stoke Mandeville Hospital, Mandeville Road, Aylesbury HP21 8AL**

Day 1: Seminar Room, Postgraduate Centre, Stoke Mandeville Hospital, Aylesbury HP21 8AL

Day 2: Children's Outpatient Clinic, Stoke Mandeville Hospital, Aylesbury HP21 8AL

### **Target audience and Course Objectives**

This is a Basic Plus course that will benefit paediatric, neonatal, PICU and Emergency Paediatrics trainees and consultants, and Advanced Nurse Practitioners 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
- 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 they will participate on day 2 of the course.
- 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](mailto:pvenugopalan@gmail.com)); Chair & Convenor, PECSIG

### Course Organiser:

Dr P Dey (p.dey@nhs.net), Consultant Paediatrician with Cardiology Expertise, Stoke Mandeville Hospital, Aylesbury

### Course Faculty:

Dr D Wilson, Consultant Paediatric Cardiologist, Cardiff University Hospital

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

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

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 R Pavanam, PICU Consultant, Stoke on Trent

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

Dr J Thomson, Consultant Paediatrician with Cardiology Expertise, Homerton University Hospital NHS Foundation Trust, London

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

Dr M Shetty, Consultant Neonatologist, Poole Hospital

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

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

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

V Shah, Consultant paediatrician with Cardiology Expertise, William Harvey Hospital

Dr S Raina, Consultant Paediatrician with Cardiology Expertise, Princess Alexandra Hospital, London

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

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

## Programme – [Friday 15<sup>th</sup> February 2019](#)

08.45 – 09.00	Registration & Coffee	
09.00 - 09.15	Course inauguration Welcome (including house keeping)	P Venugopalan, Course Director
09.15 – 10.00	Echo Windows and views	P Venugopalan
10.00 – 10.30	Functional echo in the sick neonate	T Otunla
10.30 – 11.00	Coffee	
11.00 – 11.45	Essential Physics including Doppler	S Narayan
11.45 – 12.15	An approach to segmental analysis	P Venugopalan
12.15 – 13.00	Lunch	
13.00 – 14.00	Echo assessment of CHD - Part I	D Wilson
14.00 – 15.00	Echo assessment of CHD – Part II	H Bellsham-Revell
15.00 – 15.30	PDA assessment in the neonate	V Rasiah
15.30 – 15.45	Coffee	
15.45 – 16.15	Echo assessment of PPHN	P Bhat
16.15 – 16.45	Normal echo images album	R Gabani
16.45 – 17.00	Q&A session	All Faculty
19.30	Course Dinner	Delegates & Faculty

## Programme - [Saturday 16<sup>th</sup> February 2019](#)

08.00 - 08.30	Quick recap Windows/Views/Probes	J Thomson & M Shetty & S Sampath
08.30 – 08.45	Programme outline for day 2	
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	S Sampath
	Station 2 – Hands on station	R Gabani
	Station 3 – Hands on station	S Raina / M Shetty
	Station 4 – Hands on station	J Thomson

	Station 5 – Hands on station	R Pavanasam
	Station 6 – Hands on station	B Bhojnagarwala
	Station 7 – Hands on station	P Dey
	Station 8 – Hands on station	T Otunla
	Station 9 – Hands on station	R Fernandez / P Bhat
	Station 10 – Hands on station	V Rasiah / J Banerjee
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	S Sampath
	Station 2 – Hands on station	R Gabani
	Station 3 – Hands on station	S Raina / M Shetty
	Station 4 – Hands on station	J Thomson
	Station 5 – Hands on station	R Pavanasam
	Station 6 – Hands on station	B Bhojnagarwala
	Station 7 – Hands on station	P Dey
	Station 8 – Hands on station	T Otunla
	Station 9 – Hands on station	R Fernandez / P Bhat
	Station 10 – Hands on station	V Rasiah / J Banerjee
16.00 – 16.45	Common abnormal echo clips with discussion	P Dey & M Shetty & J Thomson