

List of contributors

COURSE DIRECTORS

Dr Julene S Carvalho

Head of Brompton Centre for Fetal Cardiology
Royal Brompton Hospital/Fetal Medicine
Unit, St George's Hospital,
St George's University of London

Prof S Yen Ho

Professor of Cardiac Morphology/
Consultant
Royal Brompton Hospital, London/
Imperial College London

Dr Victoria Jowett

Consultant Fetal and Paediatric Cardiologist
Queen Charlotte's Hospital and
The Royal Brompton Hospital

Dr Karen McCarthy

Researcher – Cardiac Morphology
Royal Brompton Hospital, London

Prof Dr E J Meijboom

Medical Manager/
Dean Medical School Twente
The Netherlands

Mrs Olga Patey

Fetal and Paediatric Echocardiographer
Royal Brompton Hospital
Fetal Medicine Unit, St George's Hospital,
London

INVITED FACULTY

Prof Lindsey Allan

Consultant Fetal Cardiologist (retired)
King's College Hospital, London

Dr Amar Bhide

Consultant in Obstetrics and Fetal Medicine,
Fetal Medicine Unit, St George's Hospital,
London

Dr Alison Groves

Consultant Paediatrician, St. Peter's
Hospital, Chertsey and Honorary Consultant,
Royal Brompton Hospital, London

Mr David Howe

Consultant and Honorary Senior Lecturer
in Fetomaternal Medicine
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Hospital, Southampton

Dr Anna Seale

Consultant Fetal and Paediatric Cardiologist,
Birmingham Children's Hospital NHS
Foundation Trust, Birmingham

Dr Elliot Shinebourne

Consultant Paediatric Cardiologist (retired)
Royal Brompton Hospital, London

Prof Basky Thilaganathan

Consultant Obstetrician and Director
Fetal Medicine Unit, St George's Hospital,
London

Dr Orhan Uzun

Consultant Paediatric and Fetal Cardiologist
University Hospital of Wales

Julie Minards

Application Specialist
Hitachi Medical Systems

Introduction

Effective Prenatal Screening of Congenital Heart Disease

Now in its fourteenth year, the course maintains its successful format. It continues to provide new lecture topics, enhanced video clips, quiz sessions and interactive echoanatomical sessions. The programme incorporates use of colour and power Doppler throughout and provides an opportunity for all those who scan the fetal heart to update and expand their skills under the tuition of experts.

The course is primarily aimed at medical and non-medical sonographers who provide a routine fetal anomaly service. It takes into account the increasing demand for high-quality screening to be provided to all pregnant women. It is also suitable for trainees in fetal medicine, paediatric cardiology, obstetric ultrasound and advanced sonographers wishing to extend their knowledge on congenital cardiac anomalies.

It has been specifically designed to address the varying interests and needs of delegates and provides options of attending one or both days of presentations and discussions. The option of attending the third day, which offers supervised which offers supervised hands-on fetal scanning and review of video clips, is available to a limited number of delegates.

Information

COURSE OBJECTIVES

- To improve the sonographer's technique for imaging the fetal heart
- To enable the sonographer to identify the range of appearances of the normal and abnormal heart
- To enable the sonographer to distinguish between normal and abnormal features

COURSE FEES

- Day one OR day two: **£150**
- Day one AND day two: **£275**
- Days one, two and three: **£385**

Course fees include VAT, course refreshments, course materials and ISUOG core membership until dec 2014.

COURSE ORGANIZER

Fetal Medicine Unit, St George's Hospital,
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Effective Prenatal Screening of Congenital Heart Disease

3rd – 5th July, 2014

**Brompton Centre for Fetal Cardiology
St George's Fetal Medicine Unit**

Course Organisers:
Dr Julene S Carvalho
Prof S Yen Ho

To be held at the National Heart and Lung Institute
Royal Brompton Hospital, London



Approved by the International
Society for Ultrasound in
Obstetrics and Gynaecology

CPD/CSE accreditation applied for:

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Programme

Thursday, 3rd July 2014

DAY 1: THE FUNDAMENTALS

08.45	Registration and coffee	
09.15	Welcome and objectives	Dr Carvalho & Prof Ho

SESSION 1

Chairperson: Prof Basky Thilaganathan
FOUNDATION KNOWLEDGE

09.30	Basic and safe ultrasound principles <i>Setting up your equipment to get the most of your images</i>	Julie Minards Hitachi Aloka Applications Specialist
10.00	Sequential Segmental Analysis	Prof Ho
10.30	Coffee & Quiz 1	

SESSION 2

Chairperson: Prof Basky Thilaganathan
FOUR CHAMBERS – Normal or abnormal?

11.00	Anatomical features <i>Recognising normal structures and their spatial relationship</i>	Prof Ho
	Situs, structure and technique of imaging <i>Finding the 4 chambers in the 'easy and difficult to scan' patient</i>	Dr Carvalho
11.50	Abnormalities of the 4-chamber view <i>An interactive echo-anatomical demonstration</i>	Dr Carvalho & Prof Ho
12.30	Lunch and Quiz 1	

SESSION 3

Chairperson: Mr Amar Bhide
PICKING UP AN ATRIOVENTRICULAR SEPTAL DEFECT

13.30	Anatomical features: <i>Recognising the structures</i>	Prof Ho
	This fetus has an AVSD: <i>ultrasound and clinical features</i> <i>Familiarising with the echo spectrum of AVSD</i>	Dr Seale
14.15	Tea and Quiz 2	

SESSION 4

Chairperson: Mr Amar Bhide
THE NORMAL VESSELS

14.45	Anatomical features <i>Recognising normal vessels and the three-vessel view</i>	Dr McCarthy
	Ultrasound features <i>Recognising them in multiple views</i>	Mr Howe
15.30	Quiz review	
16.30	Close	

Friday, 4th July 2014

DAY 2: BEYOND THE FUNDAMENTALS

08.45	Registration and coffee	
09.15	Welcome and objectives	Dr Carvalho & Prof Ho

SESSION 1

Chairperson: Dr Elliot Shinebourne
GREAT VESSELS – Normal or abnormal?

09.30	The 3-vessel and the 3-vessel trachea view <i>What are the differences?</i>	Dr Jowett
10.00	Abnormalities of the ventriculo-arterial junction <i>An interactive echo-anatomical demonstration</i>	Dr Carvalho & Prof Ho
10.45	Coffee & Quiz 1	

SESSION 2

Chairperson: Dr Elliot Shinebourne
PICKING UP A HYPOPLASTIC LEFT HEART

11.15	Anatomical features <i>Recognising the structures</i>	Dr McCarthy
	This fetus has HLHS: ultrasound and clinical features <i>Familiarising with the echo spectrum of HLHS</i>	Prof Allan
12.00	The left ventricle looks 'small' – but it is not HLHS!	Dr Carvalho
12.30	Lunch and Quiz	

SESSION 3

Chairperson: Prof Erik Meijboom
PICKING UP A TETRALOGY OF FALLOT

13.30	Anatomical features <i>Recognising the structures</i>	Prof Ho
	This fetus has TOF: ultrasound and clinical features <i>Familiarising with the echo spectrum of TOF</i>	Prof Allan
14.45	Tea & Quiz	

SESSION 4

Chairperson: Prof Erik Meijboom
PICKING UP A COMPLETE TRANSPOSITION

14.45	Anatomical features <i>Recognising the structures</i>	Prof Ho
	This fetus has TGA: ultrasound and clinical features <i>Familiarising with the echo spectrum of TGA</i>	Dr Carvalho
15.30	Quiz review	
16.30	Close	

Saturday, 5th July 2014

DAY 3: Imaging the Fetal Heart in Practice (Practical Hands-on Training for right-hand scanning and video session for 2 groups)

The number of delegates will be restricted to 32 (4 per room during hands-on session – am/pm)
Please note rooms are set up for right-hand scanning (Choice of am or pm, session will be on a first-come, first-served basis)

Meeting point and times:

Main reception of Royal Brompton Hospital, Sydney Street, London SW3 6NP
Please be punctual

08.30–08.45am	Group A delegates – 16 delegates
10.30–10.45am	Group B delegates – 16 delegates

MORNING

Group A – Echo rooms at RBH

09.00	Briefing of scanning/rotation for morning sessions	Dr Carvalho
09.15	Practical hands-on scanning 1	Tutors
10.00	Practical hands-on scanning 2	Tutors
10.45	Coffee/Tea (all delegates)	
11.00	Practical hands-on scanning 3	Tutors
11.45	Practical hands-on scanning 4	Tutors

MORNING

Group B – Surgical Seminar room (4th Level, Chelsea Wing)

11.00–12.30	Interactive video clip demonstration of abnormalities	Mrs Patey
12.30	Lunch (all delegates)	

AFTERNOON

Group B – Echo rooms at RBH

13.45	Briefing of scanning/rotation for afternoon sessions	Dr Carvalho
14.00	Practical hands-on scanning 5	Tutors
14.45	Practical hands-on scanning 6	Tutors
15.30	Coffee/Tea (all delegates)	
15.45	Practical hands-on scanning 7	Tutors
16.30	Practical hands-on scanning 8	Tutors

AFTERNOON

Group A – Surgical Seminar room (4th Level, Chelsea Wing)

13.30–15.00	Interactive video clip demonstration of abnormalities	Mrs Patey
17.15	Close	