

Effective Prenatal Screening of Congenital Heart Disease 2023 07 and 08 July

DAY 1 (am) Friday, 07 July 2023

08.15 Registration and coffee

08.45 Welcome and objectives

Prof Carvalho & Prof Ho

SESSION 1 – Chairperson: Mr Bertie Leigh

LOOKING BACK, LOOKING FORWARD

09.00 **Keynote lecture**

Looking back: History of cardiac screening and fetal cardiology
From early days to current times

TBC

09.40 Looking forward: 2023 Updated ISUOG guidelines
What is new?

Prof Carvalho

10.00 Introduction to quiz

Prof Carvalho

10.10 Coffee & Quiz – Test your skills

SESSION 2 – Chairperson: Mr Bertie Leigh

THE FOUR CHAMBER AND VESSELS

10.30 The normal heart: sequential segmental analysis
The logical approach: morphology from 4-chambers to vessels

Prof Ho

10.50 Laterality, situs, four chambers, vessels and beyond
Old-fashion recycled - adding colour

Prof Carvalho

11:20 The outflow tracts, 3VV and 3VTV
What you should know and what to look for

Dr Karina Lopes

11:50 Review of sonographers' images - I
*What you are **not** picking up ☹... let's learn what to look for!*

Prof Carvalho

12:20 Lunch and Quiz – Test your skills

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DAY 1 (pm) Friday, 07 July 2023

SESSION 3 – Chairperson: Dr Mina Savvidou

PICKING UP FOUR-CHAMBER ABNORMALITIES: AVSD and HLHS

- 13:00 Anatomical features: the morphological spectrum of AVSD
Understanding the essential features Prof Ho
- 13:15 This fetus has an AVSD: ultrasound and clinical features
The 'obvious' and the 'not so obvious' abnormal 4-chamber view Dr Bo
- 13:40 **A five-min break!**
- 13:45 Anatomical features: the morphological spectrum of HLHS
Understanding the essential features Dr McCarthy
- 14:00 This fetus has HLHS: ultrasound and clinical features
Recognising the echo spectrum of HLHS Dr Vazquez Garcia

14.20 Tea and Quiz– Test your skills

SESSION 4 – Chairperson: Dr Mina Savvidou

PICKING UP OUTFLOW TRACT ABNORMALITIES

- 14:40 Tetralogy of Fallot: the morphological spectrum
Understanding the essential features Prof Ho
- 14:55 This fetus has TOF: ultrasound and clinical features
Recognising the echo spectrum of TOF Dr Zidere
- 15:15 **A five-min break!**
- 15:20 Complete transposition
Anatomy: Understanding the essential features Prof Ho
- 15:35 This fetus has 'TGA': ultrasound and clinical features
Understanding connections and relationships Prof Carvalho

SESSION 5 – Chairperson: Prof Carvalho

IMAGES, IMAGES, MORE IMAGES

- 15:50 Review of sonographers' images - II
What you are picking up: smile, you are doing well ☺! Prof Carvalho

16.15 Quiz review

17:00 Close

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DAY 2: Saturday, 8 July 2023

VERY LIMITED SPACES

'Hands-on' and Interactive session (video clips / 3D models)

(Practical Hands-on training for right-hand scanning and interactive session, for 2 groups)

The number of delegates will be restricted to 20

Choice of early start (10 delegates) or late start (10 delegates) will be on a first-come, first-served basis. Whenever possible, fetuses with congenital heart disease will be scanned.

Meeting point and times: Please be punctual

Main reception of Royal Brompton Hospital (RBH), Fulham Road, London SW3 6NP

08:30 – 08:45am Group A delegates = Early start
10.30 – 10.45am Group B delegates = Late start

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MORNING

GROUP A - Echo rooms at RBH

09.00 Briefing of scanning/rotation for morning sessions Prof Carvalho

09.15 Practical hands-on scanning 1 Tutors

10.00 Practical hands-on scanning 2 Tutors

10.45 Coffee - all delegates

11.00 Practical hands-on scanning 3 Tutors

11.45 Practical hands-on scanning 4 Tutors

GROUP B - Location TBC

11:00 – 12:40 Interactive video clip demonstration and 3D models Dr Patey, Prof Ho

12.45 Lunch - all delegates (early and late starters)

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AFTERNOON

GROUP B - Echo rooms at RBH

13.45 Briefing of scanning/rotation for afternoon sessions Prof Carvalho

14.00 Practical hands-on scanning 5 Tutors

14.45 Practical hands-on scanning 6 Tutors

15.30 Tea - all delegates (early and late starters)

15.45 Practical hands-on scanning 7 Tutors

16.30 Practical hands-on scanning 8 Tutors

GROUP A - Location TBC

13:30 – 15:00 Interactive video clip demonstration and 3D models Dr Patey, Prof Ho

17.15 Close

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LIST OF CONTRIBUTORS

COURSE DIRECTORS

- Prof Julene Carvalho** Head of Brompton Centre for Fetal Cardiology
Royal Brompton Hospital, London
Fetal Medicine Unit, St George's University Hospital, London
Professor in Fetal Cardiology, St George's University of London
- Prof S. Yen Ho** Professor of Cardiac Morphology and Consultant
Royal Brompton Hospital, London
Imperial College, London

INVITED FACULTY

- Dr Ilaria Bo** Consultant Fetal & Paediatric Cardiologist
Royal Brompton Hospital, London
Chelsea & Westminster Hospital
Queen Charlotte's & Chelsea Hospital
- Mr Bertie Leigh** Solicitor, London
- Dr Karina Lopes** Consultant Fetal & Paediatric Cardiologist
Instituto de Medicina Integral Prof Fernando Figueira
Recife, Brazil
- Dr Karen McCarthy** Research Fellow and Co-lead, Cardiac Morphology
Royal Brompton Hospital, London
- Dr Olga Patey** Specialty Doctor, Fetal Cardiology
Royal Brompton Hospital, London
Fetal Medicine Unit, St George's University Hospital, London
- Dr Mina Savvidou** Consultant Obstetrician, Fetal Medicine Lead
Chelsea & Westminster Hospital
- Dr Laura Vazquez-Garcia** Consultant Fetal & Paediatric Cardiologist
Royal Brompton Hospital, London
Queen Charlotte's & Chelsea Hospital
- Dr Vita Zidere** Consultant Fetal & Paediatric Cardiologist
Kings College Hospital & Evelina LCH, St Thomas' Hospital, London