

# Multimodality Imaging in ACHD and PAH

with implementation of International Society for Adult Congenital Heart Disease (ISACHD) protocol and European Association of Cardiovascular Imaging (EACVI) statement paper

**Day 1 – Wednesday 23<sup>rd</sup> September 2020**

08:00-08:30 Registration

08:30-08:45 Welcome and Introduction

Prof Michael Gatzoulis

## **Session 1: Basic cardiac structure**

08:45-09:00 Morphology of the normal heart. Prof Yen Ho.

09:00-09:20 ACHD Echo protocol. Ms Cathy West

09:20-09:50 How to perform echocardiography for ACHD patients. Prof Wei Li

09:50-09:55 Questions

## **Session 2: ACHD challenges 1**

09:55-10:15 Echocardiographic assessment of LV systolic and diastolic function.

Prof Giovanni Di Salvo

10:15-10:35 Echocardiographic assessment of RV systolic and diastolic function.

Dr Elena Surkova

**10:35-10:45 Short break**

## **ACHD challenges 2**

10:45-11:05 Echo assessment of ACHD during Pregnancy. Dr Kate von Klemperer

11:05-11:20 Echocardiography for endocarditis assessment. Prof Wei Li

11:20-11:30 Questions

## **Session 3 Septal defects – Atrial septal defect (ASD)**

11:30-11:40 Morphology of ASDs - live video demonstration. Dr Karen McCarthy

11:40-11:55 Echocardiographic assessment using ISACHD protocol for ASD

Ms Caroline Flick

11:55-12:15 Echo assessment for suitability of device closure of ASD

Dr Mireya Castro-Verdes

12:15-12:30 ASD when it is not so simple (PAH, Sinus venosus ASD and unroofed coronary sinus), role of CMR. Dr Sylvia Krupickova

12:30-12:40 Questions

**12:40-13:30 Lunch break**

## **Session 4 Septal defects-**

### **Ventricular Septal defect (VSD) and Atrioventricular Septal defect (AVSD)**

13:30-13:40 Morphology of VSDs - live video demonstration. Dr Karen McCarthy

13:40-13:55 Echocardiographic assessment VSD employing the ISACHD protocol.

Dr Giancarlo Scognamiglio

13:55-14:05 Morphology of AVSD - live video demonstration. Dr Karen McCarthy

14:05 -14:20 Echocardiographic assessment AVSD pre- and post-op.

Dr Annemien van den Bosch

14:20 -14:35 Tips and tricks in assessing shunt lesions Dr Irena Ivanac

## **Session 5 ACHD with pulmonary hypertension including ES**

14:35-14:55 Echocardiographic assessment. Dr Giancarlo Scognamiglio

14:55-15:15 CMR in ACHD PAH. Dr Sonya Babu-Narayan

15:15-15:30 CT in ACHD PAH. Dr Tom Semple

15:30-15:40 Questions

**15:40-15:55 Short break**

## **Session 6 Disease of the left ventricular inflow and outflow tract (including sub-AS, valvar AS, supra-AS and CoA)**

15:55-16:15 Morphology. Prof Yen Ho.

16:15-16:30 Echo assessment of LV inflow abnormality. Dr Kate von Klemperer

16:30-16:50 Echocardiographic assessment LV outflow tract lesions.

Ms Cathy West.

16:50-17:10 CMR assessment. Dr Alessandra Frigiola

17:10-17:20 Questions

## Day 2 – Thursday 24<sup>th</sup> September

### Session 7 Ebstein anomaly of the tricuspid valve

09:00-09:10 Morphology. Prof Yen Ho.

09:10-09:30 Echocardiographic assessment employing the ISACH protocol.

Dr Irena Ivanac

09:30-09:50 CMR assessment of Ebstein anomaly. Dr Sonya Babu-Narayan

09:50-09:55 Questions

### Session 8 Tetralogy of Fallot

09:55-10:05 Morphology - live video demonstration.. Dr Karen McCarthy

10:05-10:20 Echocardiographic assessment post ToF repair.

Dr Annemien van den Bosch

10:20-10:40 Post ToF repair – what CMR can offer. Dr Sonya Babu-Narayan

10:40-10:45 Questions

10:45-10:55 Short break

### Session 9 Transposition of the great arteries (TGA)

10:55-11:05 Morphology - live video demonstration., Dr Karen McCarthy

11:05-11:20 Echocardiographic assessment of TGA after arterial switch repair.

Ms Cathy West

11:20-11:40 Echocardiographic assessment of TGA after atrial switch repair.

Dr Annemien van den Bosch

11:40-11:55 Echo assessment of patients post Rastelli repair.

Dr Annemien van den Bosch

11:55-12:10 CMR in assessment of TGA including surgically repaired patients

Dr Sonya Babu-Narayan

12:10-12:20 Questions

12:20-13:00 Lunch break

### Session 10 Congenitally corrected transposition of the great arteries (ccTGA)

13:00-13:10 Morphology - live video demonstration.. Dr Karen McCarthy

13:10-13:40 Echocardiographic assessment of ccTGA. Dr Harith Alam

13:40-13:55 CMR in assessment of CC-TGA Dr Alessandra Frigiola

13:55-14:10 Subpulmonary LV in systemic RV – does it matter? Dr Elena Surkova

14:10-14:15 Questions

14:15-14:30 Short break

### Session 11 Physiologically Univentricular heart

14:30-14:50 Morphology - live video demonstration. Prof Yen Ho.

14:50-15:10 Echocardiographic assessment. Dr Michael Rigby.

15:10-15:30 Echocardiographic assessment of the adult patient post Fontan repair,

Ms Cathy West

15:30 -15:45 CMR in assessment of cardiac anatomy and surgical results.

Dr Sylvia Krupickova

15:45-15:50 Questions

### Session 12: ACHD challenges 3

15:50-16:10 Echocardiographic assessment of pericardial effusion, constriction

and restriction in ACHD. Prof Roxy Senior

16:10-16:30 Pacing & Optimisation in ACHD. Dr Wei Li

16:30-16:35 Questions

16:35 - 16:55 Use of CT in ACHD Dr Tom Semple

### Registration and information:

Website: [www.rbht.nhs.uk/morphology](http://www.rbht.nhs.uk/morphology)

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