

Cardiac Morphology Workshop: Postop Congenital Heart Malformations

25th & 26th February 2019 at Royal Brompton Hospital Sydney Street, London, UK

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This series of workshops is aimed at providing doctors and allied health care professionals with an understanding of the morphological changes in the hearts of patients who had previous surgical/interventional procedures for congenital heart defects. The workshops focus on key aspects of correlations between morphology, clinical imaging and arrhythmias

Delivery methods: live video demonstrations, presentation slides, practical hands-on examination of heart specimens, case discussions.

Learning outcomes:

- 1) understand the morphology of hearts that have undergone surgery/intervention
- 2) understand post-op morphology seen in clinical cardiac imaging
- 3) understand the morphological changes related to postop arrhythmias

Monday 25th February 2019

Day 1: Tetralogy of Fallot with pulmonary stenosis or with pulmonary atresia

- 09.15 – 09.30 Introduction to Fallot's tetralogy (PS and PA)
- 09.30 – 09.50 Morphology of Fallot with pulmonary stenosis
- 09.50 – 10.10 Morphology of Fallot with pulmonary atresia
- 10.10 – 10.40 Overview of surgical interventions in Fallot (PS and PA)
- 10.40 – 11.00 short break*
- 11.00 – 11.40 Postop Morphology of Fallot and PA
- 11.40 – 12.00 Case study
- 12.00 – 13.00 Hands-on heart specimens
- 13.00 – 13.45 Lunch*
- 13.45 – 14.30 Imaging the ACHD patient: echo
- 14.30 – 15.15 Imaging the ACHD patient: CMR
- 15.15 – 15.30 short break*
- 15.30 – 15.50 Post-op arrhythmias: Morpho-pathological substrates
- 15.50 – 16.30 Postop arrhythmias: Morpho-EP perspective
- 16.30 – 16.40 Discussion and closing remarks

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Tuesday 26th February 2019

Day 2: Univentricular physiology

09.10 – 09.20 Introduction to “univentricular hearts”

09.20 – 09.50 Morphology of hearts with univentricular
atrioventricular connections

09.50 – 10.20 Morphological variants for univentricular repair

10.20 – 10.40 short break

10.40 – 11.00 The conduction system in “univentricular hearts”

11.00 – 11.30 Options for univentricular palliation/repair

11.30 – 12.15 Postop morphology

12.15 - 12.40 Post-op arrhythmias after Fontan procedures

12.40 – 13.30 Lunch

13.30 – 14.30 Hands-on heart specimens

14.30 – 14.50 short break

14.50 – 15.40 Imaging the postop heart: echo

15.40 – 16.20 Imaging the postop heart: CMR/CT

16.20 – 16.40 Discussion and closing remarks