



# ST4.1: Phase 2 Core Cardiac Surgery Course

Ashorne Hill, Leamington Spa  
19<sup>th</sup> – 20<sup>th</sup> November 2024

## Programme

### Course Directors

**Mr Rajdeep Bilkhu**

Consultant Cardiac Surgeon  
Guy's and St Thomas' NHS Foundation Trust, London

**Mr Paolo Bosco**

Consultant Cardiac Surgeon  
Guy's and St Thomas' NHS Foundation Trust, London

**Mr Shafi Mussa**

Consultant Congenital Cardiac Surgeon  
University Hospitals of Bristol and Weston NHS Foundation Trust

THANK YOU TO OUR INDUSTRY PARTNERS

**AtriCure**

## Faculty List

<b>Cardiothoracic Surgery Faculty</b>	
Mr Paolo Bosco	Consultant Cardiac Surgeon Guy's and St Thomas' NHS Foundation Trust, London
Mr Rajdeep Bilkhu	Consultant Cardiac Surgeon Guy's and St Thomas' NHS Foundation Trust, London
Mr Alia Noorani	Consultant Cardiac Surgeon King's College Hospital, London
Dr Laura Alvaro-Gracia	Consultant Cardiac Anaesthetist Guy's & St Thomas' NHS Foundation Trust
Mr Habib Khan	Consultant Cardiac Surgeon Harfield Hospital
Dr Mitul Patel	Consultant Cardiac Anaesthetist St Thomas's Hospital, London
Dr Erica Turr	Cardiovascular & Thoracic Radiologist Guy's and St Thomas' NHS Foundation Trust, London
<b>Congenital Cardiac Surgery Faculty</b>	
Mr Shafi Mussa	Consultant Congenital Cardiac Surgeon University Hospitals of Bristol and Weston NHS Foundation Trust
Mr Imran Saeed	Consultant Congenital Cardiac Surgeon University Hospitals Leicester

## Day 1

<b>Tuesday, 19<sup>th</sup> November 2024</b>		
08:30 – 08:50	Registration and coffee	
08:50 – 09:00	Welcome and Introduction	Mr Paolo Bosco/Mr Raj Bilkhu
09:00 – 09:30	Trans-esophageal echocardiography	Dr Mitul Patel
09:30 – 10:00	Cardiac CT and MRI	Dr Erica Tirr
10:00 – 10:30	Perioperative management of the cardiac surgical patient: ERACS	Dr Laura Alvaro-Gracia
10:30 – 10:50	Coffee	
10:50 – 11:20	Principles of redo surgery	Mr Habib Khan
11:20 – 11:50	Cardiac tumors	Ms Alia Noorani
11:50 – 12:30	Surgical treatment of AF: including practical	ATRICURE & All faculty
12:30 – 13:30	Lunch	
13:30 – 14:30	Principles of Mitral valve surgery - with Wetlab: access, assessment, repair, replacement	Mr Paolo Bosco + all faculty
14:30 – 15:30	Principles of tricuspid valve surgery - with Wetlab	Mr Raj Bilkhu + all faculty
15:30 – 16:30	Principles of endocarditis surgery - with Wetlab	All faculty
16:30 – 17:00	Questions & Answers & close	All faculty

## Day 2

<b>Wednesday, 20<sup>th</sup> November 2024</b>		
08:00 – 09:00	<b>Congenital Heart disease day</b> Introduction to surgery for congenital heart disease, fetal circulation, transitional physiology, shunts, principles of morphology, palliation vs complete repair	Mr Shafi Mussa
09:00 – 09:45	Surgery for Simple lesions: PDA, Coarctation, ASDs, VSDs	Mr Imran Saeed
09:30 – 10:30	Surgery for more complex lesions: Tetralogy, AV canal and TGA	Mr Imran Saeed
10:30 – 10:45	Coffee Break	
10:45 – 11:30	Single ventricle and Fontan	Mr Shafi Mussa
11:30 – 12:00	Why and how to become a Congenital Cardiac Surgeon	Mr Shafi Mussa
12:00 – 12:45	Lunch	
12:45 – 13:15	Operative techniques in preparation of Wet Lab:  Aortic root enlargement  Bentall aortic root replacement: Coronary buttons harvesting, graft implantation, coronary reimplantation, graft to distal aortic anastomosis	Mr Imran Saeed Mr Shafi Mussa
13:15–16:15	Congenital cardiac surgery Wet Lab – Bentall Aortic Root Replacement and Aortic root Enlargement	Mr Imran Saeed Mr Shafi Mussa
16:15–16:30	Questions, summary, close of course	