

CARDIOTHORACIC SURGERY PROFORMA

Domain: O - Objective / K - Knowledge / CS - Clinical skills / TS - Technical skills

CONGENITAL CARDIAC SURGERY - CURRICULUM DOCUMENT CHANGES

Section	Page	Change	Reason
Cover	1	Release and version updated	To allow sufficient time for communication and implementation
Acknowledgements	2	Updated authorship	To reflect accurate authorship and align with release in August 2026
2.1 Appendix 3 Appendix 4	4 65 68	Addition of Republic of Ireland	The curriculum covers the UK and Republic of Ireland
2.1	4	Wording changed to reference the SCTS-SAC Cardiothoracic Workforce Report 2025 with new footnote with hyperlink is as follows: https://scts.org/_userfiles/pages/files/workforce_report_18032025_44.pdf	A more accurate statement
2.3	7	Updated training pathway diagram. See also attachment 2c.	There is no longer any ST3 entry and training is run-thorough.
3.4	11	Formatting of table 1	Improved spacing of text
3.5.1	11-13	Addition of paragraphs relating to Genomics, Clinical Informatics and Sustainability	These paragraphs have been included in surgical curricula to emphasise the importance of emerging areas in healthcare, ensuring that trainees remain adaptable and informed as surgical practice evolves. In light of GMC feedback we added the following wording:

			Whilst these areas are of growing importance and relevance, they are not expected to be fully evidenced by all trainees at this stage due to current disparities in training opportunities. Where feasible, trainee engagement in these emerging areas is encouraged, with continued focus on demonstrating the essential skills and behaviours in the GPC framework.
5.3.3	23	Formatting of table 2	Improved spacing of text
5.4	31	Certification Requirements for Management and Leadership – added that evidence of an understanding of management structures and challenges of the health service should be <u>across relevant health services and the variations between nations</u>	In response to lay/patient feedback, there is a recognised need to strengthen trainees' understanding of the structure and functioning of health systems across the UK. Knowledge limited to the trainee's immediate training jurisdiction may not sufficiently prepare them for the realities of working within or alongside other devolved health systems.

Additional editorial changes

- Amended cover page and additional authors related to this curriculum update
- Health Education England (HEE) replaced with NHS England (update)
- HEE local offices removed (update)
- Corrected hyperlinks (updates)
- Minor changes in light of feedback – see summary of feedback
- Minor typographical corrections

CONGENITAL CARDIAC SURGERY - SYLLABUS CHANGES

Appendix 2	41	Skill levels descriptors - Level 4 exit descriptor updated to 'Is at the level at which one would expect a <i>day-one</i> UK consultant surgeon to function'	Consistent with outcomes-based curriculum standard
	45 / 46	Under topic COARCTATION AND INTERRUPTED AORTIC ARCH spacing changed in two places	Editorial improvement
	50	Under PULMONARY ATRESIA WITH VSD, removal of # at the end of 'Management of post-operative care and common complications'	Typographical correction
	59	Case change for <u>MECHANICAL</u> <u>CIRCULATORY ASSIST</u> (LVAD/RVAD/BIVAD) to sentence case	Typographical correction in two places

SYLLABUS TOPICS

Congenital Cardiac Surgery Sub-specialty			
Fetal circulation & changes after birth			
Neonatal and infant physiology			
Paediatric intensive care			

Morphology and sequential segmental analysis			
Risk stratification and data collection			
Atrial septal defects			
Patent ductus arteriosus			
Coarctation and interrupted aortic arch			
Aortic valve disease			
Sub-aortic stenosis			
Supra-aortic stenosis			
Congenital mitral valve disease			
Total anomalous pulmonary venous drainage			
Ventricular septal defects			
Atrio-ventricular septal defects			
Fallot's tetralogy			
Pulmonary atresia with vsd			
Pulmonary atresia with intact ventricular septum			
Transposition of the great arteries			
Transposition of the great arteries with vsd and pulmonary stenosis/atresia			
Double-outlet right ventricle (dorv)			
Vascular rings			
Arterial shunts			
Cavo-pulmonary shunt			
Fontan circulation			
Hypoplastic left heart syndrome			
Aorto-pulmonary window			
Truncus arteriosus			
Anomalous left coronary artery from pulmonary artery (alcapa)			

Extra corporeal membrane oxygenation (ecmo) / extra corporeal life support (ecls)			
Mecahnical circualtory assist (lvad/rvad/bivad)	Topic titles Pps 58 & 59	MECAHNICAL to be changed to MECHANICAL CIRCUALTORY to be changed to CIRCULATORY	Typographical Typographical
Transplantation - optional module			
Tracheal surgery			
Principles of adult congenital heart disease			
Pulmonary valve replacement			
Right ventricle-pulmonary artery conduit replacement in the adult			
Asd closure in the adult			
Fontan conversion surgery			
Transplantation in adults with congenital heart disease			