

# SCTS Education

## Operative Video Prizes

- Cardiothoracic Surgical Trainees (NTN and non-NTN) are invited to produce an operative video, appropriate to their year of training (see attached list overleaf)
- There will be prizes for the best cardiac surgery and best thoracic surgery video
- The videos should be submitted as a high definition (HD), AVI or MPEG-4 video file, 5 minutes in duration, and can be made using any recording device, including smart phones, video cameras or professional equipment
- Please obtain patient consent and fill in the application form, which requires consultant approval
- If selected, the videos may be edited and included in an SCTS operative videos app
- For further details, please contact Narain Moorjani (SCTS Cardiac Tutor) or Sri Rathinam (SCTS Thoracic Tutor) at [tutor@scts.org](mailto:tutor@scts.org)
- Closing date: 5<sup>th</sup> January 2017



## Cardiac procedures

### ST3

1. Saphenous vein harvest (ankle or thigh)
2. Radial artery harvest
3. Median sternotomy, pericardiotomy & thymic dissection
4. Internal mammary artery harvesting
5. Preparation for cardiopulmonary bypass (aortic cannulation, venous cannulation, bicaval venous cannulation, antegrade cardioplegia cannula insertion, retrograde cardioplegia cannula insertion, placement of apical / RSPV vents)
6. Weaning from CPB and decannulation
7. Placing atrial and ventricular pacing wires
8. Placing mediastinal and pleural chest drains
9. Systematic haemostasis
10. Sternal closure

### ST6

1. Atrial septal defect repair
2. Atrial myxoma resection
3. Atrial fibrillation surgery (pulmonary vein isolation, left atrial lesion set, right atrial lesion set, left atrial appendage excision)
4. Hemisternotomy AVR
5. Trans-apical TAVI
6. Redo sternotomy
7. Femoral arterial and venous cannulation
8. Aortic arch cannulation
9. Ascending aortic replacement
10. Bentall aortic root replacement

### ST4

1. Distal coronary anastomosis (including positioning of the heart & identifying the vessels)
2. Proximal coronary anastomosis (including assessing the length of the coronary bypass grafts)
3. Y or T-graft coronary anastomosis
4. OPCAB procedure
5. Aortotomy (transverse or J-shaped) & closure of the aortotomy
6. Greater curve aortoplasty and closure
7. Excision of the aortic valve and debridement of the annulus prior to AVR
8. Sizing the aortic valve – intra-annular & supra-annular techniques
9. Implanting a prosthetic aortic valve (interrupted)
10. Implanting a prosthetic aortic valve (semi-continuous)

### ST7

1. Repair of an acute type A aortic dissection
2. Repair of a post-infarction ventricular septal defect
3. Repair of a post-infarction LV free wall perforation
4. Excision of extensive mitral annular calcification
5. Pulmonary embolectomy
6. Pericardiectomy
7. LV aneurysm plication
8. Surgical ventricular restoration procedure
9. Explanting the heart for transplantation
10. Implanting the heart for transplantation

### ST5

1. Left atriotomy (standard, trans-septal or Dubost) & closure of the left atriotomy
2. Assessing the mitral valve – nerve hooks / saline test
3. Excision of the mitral valve prior to MV replacement
4. Implanting a prosthetic mitral valve
5. Mitral valve repair (triangular or quadrangular resection)
6. Mitral valve repair (Gortex neo-chordae implantation)
7. Mitral valve repair (sliding annuloplasty)
8. Right atriotomy & closure of the right atriotomy
9. Tricuspid valve annuloplasty ring implantation
10. Tricuspid valve replacement

### ST8

1. Valve sparing aortic root replacement (David or Yacoub procedure)
2. Cabrol procedure
3. Surgical repair of an aortic root abscess with an aortic homograft
4. Aortic arch replacement
5. Descending aortic replacement
6. Repair of an aortic transection
7. Repair of coarctation of the aorta
8. Pulmonary valve replacement
9. Minimally invasive mitral valve repair
10. Placement of a central intra-aortic balloon pump

## Thoracic procedures

### ST3

1. Placement of VATS ports (uniportal, anterior, posterior)
2. Lateral thoracotomy
3. Muscle sparing thoracotomy
4. Posterolateral thoracotomy
5. Anterior mediastinotomy
6. Rigid bronchoscopy
7. Fiberoptic bronchoscopy
8. Insertion of a chest drain
9. Needle thoracostomy (decompression)
10. Blood or talc pleurodesis

### ST6

1. VATS lobectomy
2. Open segmentectomy
3. VATS decortication
4. VATS giant bullectomy
5. VATS lung volume reduction surgery (LVRS)
6. VATS thymectomy or mediastinal mass excision
7. Radical thymectomy
8. Removal of a foreign body in the bronchus
9. Ravitch procedure for a pectus deformity
10. Nuss procedure

### ST4

1. VATS lung biopsy
2. VATS bullectomy and talc pleurodesis
3. VATS pleural biopsy and talc pleurodesis
4. VATS bullectomy and pleurectomy
5. VATS wedge excision
6. Thoracotomy and wedge excision
7. Hilar dissection and ligation of vessels
8. Fissure dissection and ligation of arteries
9. Bronchial dissection
10. Cervical mediastinoscopy

### ST7

1. Laser, cryo or argon beam ablation of an endoluminal tumour
2. Tracheobronchial stenting
3. VATS segmentectomy
4. Sleeve resection
5. Radical decortication for mesothelioma
6. Tracheal resection and reconstruction
7. Pancoast tumour resection
8. Chest wall resection and reconstruction
9. Retrosternal goitre excision
10. Resection of an infected lung cavity

### ST5

1. VATS mediastinal biopsy
2. VATS sympathectomy
3. VATS hilar dissection
4. VATS bronchial dissection
5. Rib fixation for fractures
6. Open lobectomy
7. Thymectomy
8. Posterior mediastinal tumour excision
9. Open metastatectomy
10. Open decortication

### ST8

1. Repair of an oesophageal perforation
2. Repair of a bronchopulmonary fistula
3. Diaphragmatic hernia repair
4. Removal of an infected diaphragmatic patch and reconstruction
5. Double sleeve resection
6. Lung cancer resection with SVC reconstruction
7. Cervical rib excision
8. Thoracoplasty
9. Lung cancer resection with spinal excision and reconstruction
10. Oesophagectomy