



SCTS

**Society for Cardiothoracic Surgery
in Great Britain and Ireland**

**SCTS Board of
Representatives (BORS)
Combined Unit Reports**

2019

Introduction

The principal aim of the SCTS Board of Representatives (BORS) is to promote and share quality improvement in cardiothoracic surgery, as well as provide an effective line of communication between each cardiothoracic surgical Unit in the United Kingdom & Ireland with the SCTS Executive.

It is in this regard that we have produced the 1st SCTS BORS combined unit reports, which documents the major events that have occurred in each of the 50 Units throughout the United Kingdom & Ireland and more specifically examples of best practice that have been introduced over the past year. This will allow other units that care for patients undergoing cardiothoracic surgery to integrate these ideas locally to improve the quality of care for cardiothoracic surgical patients. In addition, the report gives us an idea of the major plans that each of the Units are contemplating in the year ahead.

Through the annual submission of the Unit reports, we are also able to ascertain the level of consultant cardiothoracic surgical staffing within each unit to help with workforce planning and highlight potential opportunities of employment in the country.

In short, the enclosed SCTS BORS combined unit reports document the recent changes in cardiothoracic surgical practice throughout United Kingdom & Ireland and the consultant surgical workforce employed to deliver it.

Narain Moorjani
Honorary Secretary, SCTS

Simon Kendall
President Elect, SCTS

Richard Page
President, SCTS

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England

1. Basildon University Hospital

Unit Representative Inderpaul Birdi

Deputy Representative Arvind Singh

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Alberto Albanese	Cardiac	Locum	
Sudhir Bhusari	Cardiothoracic	Substantive	
Inderpaul Birdi	Cardiac	Substantive	Minimally invasive cardiac surgery
Nikolaos Charokopos	Cardiac	Substantive	
Hasnat Khan	Cardiac	Substantive	
Samir Shah	Cardiothoracic	Substantive	
Arvind Singh	Cardiac	Substantive	Complex aortic surgery

2. Birmingham Children's Hospital

Unit Representative Phil Botha

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Tim Jones	Congenital	Substantive	
Natasha Khan	Congenital	Substantive	
Phil Botha	Congenital	Substantive	

Notable events over past 12 months

- David Barron left to practice in Toronto

Examples of best practice introduced over past 12 months

- Prospective tracking of wound problems, review of wound care bundle
- Major reduction in surgical site infections

Plans for the year ahead

- Improve access to ICU by separating it from General PICU
- Appoint a 4th Surgeon if ICU access improves

3. Heartlands Hospital, Birmingham

Unit Representative Maninder Singh Kalkat

Deputy Representative Richard Steyn

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Maninder Kalkat	Thoracic	Substantive	Airways, Chest wall
Ehab Bishay	Thoracic	Substantive	Lung Cancer
Babu Naidu	Thoracic	Substantive	Emphysema
Luis Hernandez	Thoracic	Substantive	Uniportal VATS
Hazem Fallouh	Thoracic	Substantive	Mesothelioma
Richard Steyn	Thoracic	Substantive	Trauma

Notable events over past 12 months

- Merger of three hospitals into one trust – University Hospitals Birmingham

Examples of best practice introduced over past 12 months

- Advanced nurse practitioners
- Virtual follow up clinics
- Airway and thymoma MDTs

Plans for the year ahead

- New consultant appointment
- Navigational bronchoscopy
- Commence robotic surgery

4. Queen Elizabeth Hospital, Birmingham

Unit Representative Moninder Bhabra

Deputy Representative Stephen Rooney

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Jorge Mascaro	Cardiac	Substantive	Aortic, transplantation, MCS
Stephen Rooney	Cardiac	Substantive	Transplantation, mitral
Aaron Ranasinghe	Cardiac	Substantive	Transplantation, MCS
Ahmed Ashoub	Cardiac	Substantive	Off-pump CABG
Domenico Pagano	Cardiac	Substantive	Research
Moninder Bhabra	Cardiac	Substantive	Mitral, transplantation
Neil Howell	Cardiac	Substantive	Transplantation, MCS

Notable events over past 12 months

- Introduction of OCS for heart transplantation
- Creation of an aortic & transplant fellowship
- BHF grant for LEADER study

Examples of best practice introduced over past 12 months

- Development of real-time bench-marking dashboard

Plans for the year ahead

- Extend OCS to DCD hearts
- Re-introduce endoscopic vein harvesting

5. Victoria Hospital, Blackpool

Unit Representative Carmelo Raimondo (Cardiac)
Manoj Purohit (Thoracic)

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Andrew Duncan	Cardiothoracic	Substantive	Major aortic surgery
Manoj Purohit	Thoracic	Substantive	Uni and bi-portal VATS
Amal Bose	Cardiac	Substantive	AF surgery
Joseph Zacharias	Cardiothoracic	Substantive	Port access mitral valve surgery
Prof. Nidal Bittar	Cardiothoracic	Substantive	Research
Tony Walker	Cardiac	Substantive	Mitral surgery
Carmelo Raimondo	Cardiac	Substantive	Aortic Surgery, coronary surgery
David Rose	Cardiac	Substantive	Mitral surgery
Greg Laskawski	Cardiac	Locum	Mitral surgery

Notable events over past 12 months

- Employing a substantive cardiac surgeon
- Impact of NHS pension changes on service

Examples of best practice introduced over past 12 months

- Commencing a program for endoscopic coronary artery bypass grafting
- Uni and bi-portal VATS

Plans for the year ahead

- Employing a locum thoracic surgeon
- Opening up a thoracic HDU area
- Plan to open additional 2-4 theatres per week

6. Royal Sussex County Hospital, Brighton

Unit Representative Amit Modi
Deputy Representative Uday Trivedi

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Uday Trivedi	Cardiac	Substantive	Mitral
Jonathan Hyde	Cardiac	Substantive	Aortic
Michael Lewis	Cardiac	Substantive	Aortic
Ishtiaq Ahmed	Cardiac	Substantive	Mitral
Amit Modi	Cardiac	Substantive	Aortic

Notable events over past 12 months

- Sussex Cardiac Centre 20th Anniversary

Examples of best practice introduced over past 12 months

- Star Chamber – Dual consultant operating introduced
- ERAS programme

Plans for the year ahead

- Advanced Nurse Practitioner programme
- Aortopathy clinic

7. Bristol Heart Institute

Unit Representative Franco Ciulli
Deputy Representative Cha Rajakaruna

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Gianni Angelini	Cardiac	Substantive	OPCAB
Franco Ciulli	Cardiac	Substantive	Mitral, OPCAB, lone AF, minimal access
Mark Yeatman	Cardiac	Substantive	Aortic, TAVI, minimal access
Raimondo Ascione	Cardiac	Substantive	Mitral, OPCAB, research
Massimo Caputo	Congenital	Substantive	GUCH, aortic, mitral
Andrew Parry	Congenital	Substantive	GUCH and congenital
Cha Rajakaruna	Cardiac	Substantive	Major aortic, minimal access, lone AF
Serban Stoica	Congenital	Substantive	GUCH and congenital, aortic valve repair
Hunaid Vohra	Cardiac	Substantive	Mitral minimal access
Umberto Benedetto	Cardiac	Substantive	OPCAB, aortic, research
Gopal Soppa	Cardiac	Locum	Aortic surgery, arterial revascularisation

Notable events over past 12 months

- Alan Bryan retired from clinical practice
- Lone AF programme underway
- Frozen Elephant trunk – major aortic surgery programme

Examples of best practice introduced over past 12 months

- Launch of Cardiac Surgery and Vascular MDT and combined cases
- Day of Surgery Admissions
- Consultant lead ward rounds

Plans for the year ahead

- Introduction of minimal access coronary artery bypass surgery
- Introduction of joint consultant operations
- Introduction of percutaneous procedures as part of the overall strategy for treatment of mitral valve disease (surgeon and structural cardiologist collaboration)

8. Bristol Royal Hospital for Children

Unit Representative Andrew Parry

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Andrew Parry	Congenital	Substantive	Neonates; PA/VSD/MAPCAs
Massimo Caputo	Congenital	Substantive	Research
Serban Stoica	Congenital	Substantive	Aortic valve and root

Plans for the year ahead

- Appoint a new surgeon

9. Bristol Royal Infirmary

Unit Representative Tim Batchelor

Deputy Representative Doug West

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Tim Batchelor	Thoracic	Substantive	VATS, myasthenia gravis, emphysema
Gianluca Casali	Thoracic	Substantive	VATS, pseudomyxoma peritonei
Eveline Internullo	Thoracic	Substantive	VATS, sarcoma, catamenial pneumothorax
Rakesh Krishnadas	Thoracic	Locum	VATS
Doug West	Thoracic	Substantive	VATS, sarcoma, chest wall, trauma

Notable events over past 12 months

- Finished recruiting to VIOLET

Examples of best practice introduced over past 12 months

- Integration of research into everyday practice (biggest recruiter to VIOLET)
- Nurse-led lung cancer follow-up
- Remote video pre-operative assessment clinic

Plans for the year ahead

- Work with management to increase capacity
- Absorb another MDT into network

10. Royal Papworth Hospital, Cambridge

Unit Representative Ravi De Silva

Deputy Representative John Taghavi

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Francis Wells	Cardiac	Substantive	Complex valve
Sam Nashef	Cardiac	Substantive	
Stephen Large	Cardiac	Substantive	
Steven Tsui	Cardiac	Substantive	Transplantation, PTE
David Jenkins	Cardiac	Substantive	PTE, transplantation
Catherine Sudarshan	Cardiac	Substantive	Transplantation, TAVI, off-pump
Pedro Catarino	Cardiac	Substantive	Transplantation, aortic
Choo Ng	Cardiac	Substantive	PTE
Narain Moorjani	Cardiac	Substantive	Complex valve
Yasir Abu-Omar	Cardiac	Substantive	Transplantation, complex valve, TAVI
Ravi De Silva	Cardiac	Substantive	Aortic, off-pump, total arterial revascularisation
Marius Berman	Cardiac	Substantive	Transplantation, off-pump
John Taghavi	Cardiac	Substantive	PTE, aortic
Aman Coonar	Thoracic	Substantive	VATS
Adam Peryt	Thoracic	Substantive	VATS
Giuseppe Aresu	Thoracic	Substantive	VATS
Umar Rafiq	Cardiac	Locum	

Notable events over past 12 months

- The hospital has moved to central Cambridge
- World's first DCD heart lung transplant
- GMC training survey ranks Papworth as the best training programme for any surgical speciality in the UK.

Examples of best practice introduced over past 12 months

- Introduction of 'haemostasis checklist' has markedly reduced bleeding/transfusion after cardiac surgery

- In-hospital mortality for all first time CABG ~0.6%
- Daily consultant led ward rounds
- Development of a minimally invasive mitral valve surgery programme

Plans for the year ahead

- Introduction of an aortic dissection rota.
- Increasing volume of work in new hospital site.

11. University Hospital Coventry and Warwickshire

Unit Representative Jitendra Parmar

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Jitendra Parmar	Cardiothoracic	Substantive	Aortic
Uday Dandekar	Cardiac	Substantive	Aortic
Ramesh Patel	Cardiac	Substantive	Mitral
Tom Barker	Cardiac	Substantive	Mitral, arrhythmia
Jain Bhaskara-Pillai	Cardiac	Substantive	Aortic
Max Codispoti	Cardiac	Substantive	Off-pump
Antonio Martin-Ucar	Thoracic	Substantive	Uniportal VATS
Maria Kolokotroni	Thoracic	Locum	VATS

Notable events over past 12 months

- Intensivist involvement in cardiothoracic critical care

Examples of practice introduced over past 12 months

- Convergence and Atriclip
- Ozaki procedure and FET
- Uniportal VATS
- ORIF for rib fractures

Plans for the year ahead

- Consolidate above

12. Castle Hill Hospital, Hull

Unit Representative Alex Cale (Cardiac), Syed Qadri (Thoracic)
Deputy Representative Mobi Chaudhry, Dumbor Ngaage (Cardiac)
Vasillios Tenzeris (Thoracic)

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Mike Cowen	Thoracic	Substantive	Robotic surgery
Alex Cale	Cardiac	Substantive	Aortovascular surgery
Mobi Chaudhry	Cardiac	Substantive	Mitral surgery, TAVI
Mahmoud Loubani	Cardiac	Substantive	TAVI
Martin Jarvis	Cardiac	Substantive	Aortovascular surgery
Dumbor Ngagge	Cardiac	Substantive	Mitral, Minimal access, TAVI
Suhail Qadri	Thoracic	Substantive	Mesothelioma and non-ventilated thoracic surgery
Vasileios Tentzeris	Thoracic	Substantive	Emphysema surgery, endo-bronchial valve
David Zicho	Cardiac	Locum	Aortovascular surgery

Notable events over past 12 months

- Subspecialisation
- Minimal access AVR programme established
- TAVI programme established
- Robotic thoracic surgery programme established
- Emphysema services established (MDT, VATS LVRS, Endo-bronchial valve)
- Navigation bronchoscopy
- Development of minor VATS thoracic surgical cases with non-ventilated anaesthesia

Examples of best practice introduced over past 12 months

- MiECT centre, over 400 cases a year.
- All GiRFT recommendations agreed by the department and Trust.
- Yorkshire Aortovascular Network established with Leeds and Sheffield.

Plans for the year ahead

- Implementation of Consultant of the week GiRFT recommendation.
- Yorkshire acute aortic dissection rota.
- Establish a minimally invasive treatment programme for mitral valve disease.

13. Leeds General Infirmary (Cardiac Surgery)

Unit Representative Betsy Evans
Deputy Representative David O'Regan

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Betsy Evans	Cardiac	Substantive	Mitral, TAVI
David O'Regan	Cardiac	Substantive	Education
Pankaj Kaul	Cardiac	Substantive	Aortic
Kalyana Kavangula	Cardiac	Substantive	Aortic
Antonella Ferrara	Cardiac	Substantive	Mitral
Sotiris Papaspyros	Cardiac	Substantive	Education, mini AVR

Notable events over past 12 months

- Appointment of new consultant - Sotiris Papaspyros (June 2019)

Examples of best practice introduced over past 12 months

- Collaborative working across three trusts in Yorkshire - discussion to provide regional aortic dissection surgery
- Structured mentoring for newly appointed colleagues

Plans for the year ahead

- Introduction of mini AVR programme and FET aortic programme
- Commencement of aortic dissection rota across Yorkshire (Leeds General Infirmary, Castle Hill Hospital and Northern General Hospital)

13b. Leeds General Infirmary (Congenital Surgery)

Unit Representative Osama Jaber

Deputy Representative Imre Kassai

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Carin van Doorn	Congenital	Substantive	
Osama Jaber	Congenital	Substantive	
Imre Kassai	Congenital	Substantive	
Giuseppe Pelella	Congenital	Substantive	

Notable events over past 12 months

- Recruitment of two substantive posts to complement a team of four consultant congenital cardiac surgeons
- Recruitment of a third consultant interventional cardiologist
- Inauguration of the newly built state of the art hybrid lab

Examples of best practice introduced over past 12 months

- To enable a widespread improvement in the entire services, a cardiac improvement program was initiated at LHT and subsequently continued as the paediatric patient pathways group workstream. This is a multi-disciplinary group which focuses on operational issues and patient pathways.
- Development of group job plans, training, education and support for newly recruited consultants.

Plans for the year ahead

- Recruit an additional consultant paediatric cardiac anaesthetist.
- Introduction of extended day for two of the congenital cardiac lists and addition of a third adult congenital list (to ultimately achieve five paediatric and three adult congenital cardiac full lists with two of these extended).
- Introduction of the necessary upgrades required to the congenital cardiac database software and potentially to integrate with the Trust's electronic patient record.

14. St James's University Hospital, Leeds

Unit Representative Richard Milton
Deputy Representative Manos Kefaloyannis

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Alessandro Brunelli	Thoracic	Substantive	
Nilanjan Chaudhuri	Thoracic	Substantive	Navigational bronchoscopy
Manos Kefaloyannis	Thoracic	Substantive	Robotic thoracic surgery
Richard Milton	Thoracic	Substantive	Trauma, including pre-hospital care
Kostas Papagiannopoulos	Thoracic	Substantive	
Peter Tcherveniakov	Thoracic	Substantive	

Notable events over past 12 months

- Responded to an outlier alert
- Alessandro Brunelli has become president elect of ESTS
- 9th Leeds Advanced VATS course

Examples of best practice introduced over past 12 months

- High-risk MDT

15. Glenfield Hospital, Leicester (Cardiac Surgery)

Unit Representative Gavin Murphy

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Leon Hadjinikolaou	Cardiac	Substantive	Aortic surgery
Gavin Murphy	Cardiac	Substantive	Academic
Giovanni Mariscalco	Cardiac	Substantive	Aortic surgery
Viktor Zlocha	Cardiac	Substantive	Mitral surgery
Chris Efthymiou	Cardiac	Substantive	
Mustafa Zakkar	Cardiac	Substantive	Academic
Mimic Branko	Congenital	Substantive	
Ikenna Omeje	Congenital	Substantive	
Antonio Corno	Congenital	Substantive	Academic
Imran Saeed	Congenital	Locum	

Notable events over past 12 months

- Glenfield Congenital Cardiac Surgery Services meet NHS activity targets.
- New Associate Professor in Cardiac Surgery appointed, Mr Mustafa Zakkar
- Hosted the Part 3 FRCS (C-Th) Exam

Examples of best practice introduced over past 12 months

- Expansion in training numbers to 8, through successful engagement with the SAC, with 2 new ACF/ACL posts for 2019/2020

Plans for the year ahead

- Expansion in consultant numbers in cardiac surgery.
- Development of a new mitral MDT to reflect new NHS commissioning for MitraClip

15b. Glenfield Hospital, Leicester (Thoracic Surgery)

Unit Representative Apostolos Nakas

Deputy Representative Keng Ang

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Apostolos Nakas	Thoracic	Substantive	Mesothelioma
Sridhar Rathinam	Thoracic	Substantive	VATS, chest wall, LVRS
Keng Ang	Thoracic	Substantive	Spontaneous VATS
Fiyaz Chowdhry	Thoracic	Substantive	VATS

Notable events over past 12 months

- Appointment of research nurse and research registrars.
- Thoracic surgeon presence and complementary clinic to the second RAL clinic.
- Introduction and expansion of spontaneously breathing thoracic surgery, including LVRS
- Multidisciplinary rib fracture protocol and policy.
- Establishment of regional neuroendocrine MDT with thoracic collaboration.

Examples of best practice introduced over past 12 months

- Structured streamlined multidisciplinary care of malignant mesothelioma, including clinical trials.
- Robust pathway for East Midlands lung volume reduction services, including valves and coils.

Plans for the year ahead

- Expansion to 5 consultants
- One-stop LVRS investigation and assessment clinic with respiratory physicians
- Introduction of navigational bronchoscopy and robotic thoracic surgery
- Creating a comprehensive ERAS pathway including same day admission.

16. Alder Hey Children's Hospital, Liverpool

Unit Representative Ram Dhannapuneni

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Ram Dhannapuneni	Congenital	Substantive	
Rafael Guerrero	Congenital	Substantive	
Attilio Lotto	Congenital	Substantive	

Notable events over past 12 months

- Started adult congenital service at the Liverpool Heart and Chest Hospital
- Met NHS England congenital cardiac standards and had a peer review of service
- Our trainee, also rotated with Freeman has been appointed to a substantive post

Examples of best practice introduced over past 12 months

- Two consultants operating together in starting a new service safely

Plans for the year ahead

- Advertised to appoint a new substantive consultant (4th surgeon to meet standards)
- Consolidate and expand ACHD work at Liverpool Heart and Chest Hospital
- To establish postoperative cardiac unit (HDU) to bypass some cases from ICU.

17. Liverpool Heart & Chest Hospital

Unit Representative Deborah Harrington

Deputy Representative Dimitrios Pousios

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Manoj Kuduvali	Cardiac	Substantive	Aortic
Mark Field	Cardiac	Substantive	Aortic
Deborah Harrington	Cardiac	Substantive	Aortic
Omar Nawaytou	Cardiac	Substantive	Aortic
Paul Modi	Cardiac	Substantive	Mitral, mini, robot, off-pump
Mark Pullan	Cardiac	Substantive	Mitral, off-pump, HOCM
Andrew Muir	Cardiac	Substantive	Mitral, off-pump, mini AVR
Dimitrios Pousios	Cardiac	Substantive	Mitral
Bil Kirmani	Cardiac	Substantive	Mitral, mini, off-pump
John Chalmers	Cardiac	Substantive	Pericardiectomy
Richard Williams	Cardiac	Substantive	
Mike Poullis	Cardiac	Substantive	Off-pump
Ian Wilson	Cardiac	Substantive	Mitral
Neeraj Mediratta	Cardiothoracic	Substantive	
Mohamed Zeinah	Cardiac	Substantive	Off-pump
Rafael Guerrero	Congenital	Substantive	ACHD, joint with Alder Hey
Ram Dhannapuneni	Congenital	Substantive	ACHD, joint with Alder Hey
Attilio Lotto	Congenital	Substantive	ACHD, joint with Alder Hey

Notable events over past 12 months

- Trust received second successive outstanding CQC report
- Introduction of robotic surgery

Examples of best practice introduced over past 12 months

- Introduction of high risk MDT
- Introduction of TTF measurements for CABG surgery
- Introduction of anaesthetic preadmission clinic & same day admission
- Introduction of dual consultant operating for high risk cases

Plans for the year ahead

- Expansion of the mini-mitral programme
- Expansion of the robotic cardiac surgery programme with the introduction of totally endoscopic CABG

17b. Liverpool Heart and Chest Hospital (Thoracic)

Unit Representative Steven Woolley
Deputy Representative Michael Shackcloth

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Julius Asante Siaw	Thoracic	Substantive	
Susannah Love	Thoracic	Substantive	
Neeraj Mediratta	Cardiothoracic	Substantive	
Richard Page	Thoracic	Substantive	
Michael Shackcloth	Thoracic	Substantive	
Steven Woolley	Thoracic	Substantive	
Silviu Buderu	Thoracic	Locum	

Notable events over past 12 months

- Appointment of 1 substantive consultant and 1 locum consultant to cover maternity leave
- Won bid to host SCTS Medical student day in Liverpool

Examples of best practice introduced over past 12 months

- All early stage lung cancer patients offered VATS/robotic lobectomy
- Increased recruitment of patients into trials
- Reduced waiting times to 1 week for diagnostic procedures and 10 working days for lung resections
- Single point of contact for all thoracic referrals

Plans for the year ahead

- Plan for further substantive thoracic consultant
- Screening for lung cancer to start at Halton/Knowsley, which will likely increase demand for thoracic surgery
- Navigational bronchoscopy

18. Evelina London Children's Hospital

Unit Representative Conal Austin

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
David Anderson	Congenital	Substantive	
Conal Austin	Congenital	Substantive	
Caner Salih	Congenital	Substantive	

19. Great Ormond Street Hospital, London

Unit Representative Ben Davies

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Martin Kostolny	Congenital	Substantive	
Victor Tsang	Congenital	Substantive	
Nagarajan Muthialu	Congenital & Cardiothoracic	Substantive	
Ben Davies	Congenital	Substantive	
Lyubomyr Bohuta	Congenital	Locum	

20. Guy's Hospital, London

Unit Representative Juliet King
Deputy Representative Tom Routledge

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Tom Routledge	Thoracic	Substantive	Robotic surgery
Karen Harrison- Phipps	Thoracic	Substantive	
Juliet King	Thoracic	Substantive	
John Pilling	Thoracic	Substantive	
Andrea Bille	Thoracic	Substantive	Robotic surgery
Lawrence Okiror	Thoracic	Substantive	

Notable events over past 12 months

- Establishment of national robotic fellowship
- High trainee satisfaction with training

Examples of best practice introduced over past 12 months

- Increased day of surgery admission rate
- Ward and clinic ANP-based programme
- Appointment of associate specialist to increase flexibility with MDT cross cover

Plans for the year ahead

- Further expansion of ERAS

21. Hammersmith Hospital, London

Unit Representative Professor Prakash Punjabi

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Prof. Prakash Punjabi	Cardiac	Substantive	Mitral valve
Jon Anderson	Cardiothoracic	Substantive	Aortic valve
Andrew Chukwuemeka	Cardiac	Substantive	
Roberto Casula	Cardiac	Substantive	
Prof. Thanos Athanasiou	Cardiac	Substantive	
Jay Nandi	Thoracic	Substantive	
Mehmood Jadoon	Thoracic	Substantive	

Notable events over past 12 months

- Promotion of Professor Prakash Punjabi

Examples of best practice introduced over past 12 months

- MDT for management of infective endocarditis

Plans for the year ahead

- Appoint at least one thoracic consultant

22. Harefield Hospital, London

Unit Representative Jullien Gaer

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Jullien Gaer	Cardiac	Substantive	Aortic & total arterial revascularisation
Toufan Bahrami	Cardiac	Substantive	Minimal access surgery
Fabio de Robertis	Cardiac	Substantive	Myectomy, aortic & mitral
Sunil Bhudia	Cardiac	Substantive	Aortic, mitral & revasc.
Shahzad Raja	Cardiac	Substantive	Revascularisation
Andre Simon	Cardiac	Substantive	Transplantation
Ulrich Stock	Cardiac	Substantive	Transplantation
Mahesh Balakrishnan	Cardiac	Substantive	Transplantation
Vladimir Anikin	Thoracic	Substantive	Complex thoracic surgery
Emma Beddow	Thoracic	Substantive	Oncology, mesothelioma, pleural disease, chest wall deformity
Nisar Asadi	Thoracic	Substantive	Oncology, minimally invasive thoracic surgery, chest wall surgery, airway surgery
Jonathan Finch	Thoracic	Substantive	Oncology, minimally invasive thoracic surgery, redo VATS lung resection, palliative airway surgery

Notable events over past 12 months

- Regular open days in which members of the public and local schoolchildren are encouraged to visit the operating theatres
- Symposium on total arterial revascularisation and transit time flow measurement with invited guest speakers from Canada & Oxford
- Half-day symposium on risk management with invited speakers from USA and from civil aviation

Examples of best practice introduced over past 12 months

- Introduction of day of surgery admission for cardiac & thoracic surgery

- Systematic use of transit-time flow measurement and 2D echo for assessment of graft patency and function in CABG

Plans for the year ahead

- Planning to introduce robotic surgery to the Trust
- Hoping to commence installation of a hybrid operating suite on Harefield site

23. Heart Hospital, London

Unit Representative David Lawrence

Deputy Representative: Davide Patrini

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Martin Hayward	Cardiothoracic	Substantive	Robotic, minimally invasive
David Lawrence	Cardiothoracic	Substantive	Robotic, minimally invasive
Nikolaos Panagiotopoulos	Thoracic	Substantive	Robotic, minimally invasive
Davide Patrini	Thoracic	Substantive	Minimally Invasive, research
Robert George	Thoracic	Substantive	Research, audit

Notable events over past 12 months

- Significant improvement of the VATS lobectomy program
- Robotic Surgery

Examples of practice introduced over past 12 months

- Uni-portal VATS lobectomy as standard practice
- Advanced robotic cases

Plans for the year ahead

- Introduction of a navigational bronchoscopy programme
- Improvement of the robotic programme
- Stronger links with respiratory medicine and the research team at UCLH

24. King's College Hospital, London

Unit Representative Professor Olaf Wendler

Deputy Representative Max Baghai

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Lindsay John	Cardiac	Substantive	Cardiac
Olaf Wendler	Cardiac	Substantive	Cardiac, aortic, mitral
Donald Whitaker	Cardiothoracic	Substantive	Cardiac, thoracic
Ranjit Deshpande	Cardiac	Substantive	Cardiac, aortic, mitral
Max Baghai	Cardiac	Substantive	Cardiac, aortic, mitral
Alia Noorani	Cardiac	Substantive	Cardiac, aortic

Notable events over past 12 months

- GIRFT report: stating excellence in aortic surgery and mitral valve surgery

Examples of best practice introduced over past 12 months

- Joint KHP (King's College Hospital, Guy's and St Thomas' Hospital) in-hospital patient waiting list initiative
- KHP Aortic Dissection Rotation
- KHP training of GSTT surgeons in port access mitral valve surgery
- Started trans-catheter mitral valve implantation

Plans for the year ahead

- Collaborative working in the South London cardiovascular network to support St George's Hospital
- Starting a minimally invasive mitral valve chordal replacement programme

25. Royal Brompton Hospital, London (Cardiac Surgery)

Unit Representative Rashmi Yadav

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Tony de Souza	Cardiac	Substantive	Mitral surgery
Ulrich Rosendahl	Cardiac	Substantive	Aortic surgery
Richard Trimlett	Cardiac	Substantive	Endoscopic revasc. surgery, ECMO
George Asimakopoulos	Cardiac	Substantive	Aortic surgery
Rashmi Yadav	Cardiac	Substantive	Mitral surgery
Cesare Quarto	Cardiac	Substantive	Aortic surgery
Antonios Kurioliuros	Cardiac	Locum	Revasc. and ECMO
Mario Petrou	Cardiac	Substantive	OPCAB, Aortic surgery

Notable events over past 12 months

- Continuing trans-catheter mitral valve programme, including Tendyne, NeoChords and Valve in Valve implants. We are the only centre in Great Britain currently offering NeoChords to high risk patients with degenerative MR. The story a very sick patient who responded very well to NeoChord was picked up by media and published in the Mail on Sunday.
- Very good outcomes in the acute aortic dissection service
- CASA AF hybrid AF ablation randomised trial completed, results awaited
- Largest VA ECMO programme in the country with an overall survival of 56% (ELSA international registry average 42%)

Examples of best practice introduced over past 12 months

- Move towards day of surgery admission for cardiac surgery
- Day of discharge photos for patients helped reduce surgical site infection
- CALS training for all members of team

- Darwin programme was introduced to increase safety and efficiency of the hospital

Plans for the year ahead

- Grow the trans-catheter mitral and tricuspid valve programme
- Start the minimally invasive mitral valve programme
- 3D system for endoscopic LIMA to LAD (EndoACAB)

24b. Royal Brompton Hospital, London (Thoracic Surgery)

Unit Representative Simon Jordan

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Simon Jordan	Thoracic	Substantive	
Eric Lim	Thoracic	Substantive	
Michael Dusmet	Thoracic	Substantive	
Sofina Begum	Thoracic	Substantive	
Aleksander Mani	Thoracic	Locum	

24c. Royal Brompton Hospital, London (Congenital Surgery)

Unit Representative Andreas Hoschtitzky

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Darryl Shore	Congenital	Substantive	
Guido Michielon	Congenital	Substantive	
Andreas Hoschtitzky	Congenital	Substantive	Some niche adult cardiac surgery
Caroline Chenu	Congenital	Substantive	

Notable events over past 12 months

- Introduction of a dedicated monthly single ventricle pathway MDT once a month focused on patients on Norwood pathway
- Introduction of a dedicated joint end-stage heart failure & transplant MDT for ACHD patients with the transplant unit at Harefield
- Introduction of supported Ross procedures with PEARS graft with appropriate clinical governance framework

Plans for the year ahead

- Closer collaboration with Evelina Children's Hospital & St Thomas' Hospital

26. St Bartholomew's Hospital, London

Unit Representative Neil Roberts

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Steve Edmondson	Cardiac	Substantive	
Rakesh Uppal	Cardiac	Substantive	Aortic and mitral
Aung Oo	Cardiac	Substantive	Complex aortic
Kit Wong	Cardiac	Substantive	Mitral repair
Shyam Kolvekar	Cardiothoracic	Substantive	Pectus repair
John Yap	Cardiac	Substantive	Aortic surgery
David Lawrence	Cardiothoracic	Substantive	Mitral repair
Alex Shipolini	Cardiac	Substantive	Myectomy
Neil Roberts	Cardiac	Substantive	
Ben Adams	Cardiac	Substantive	Complex aortic
Carmello di Salvo	Cardiac	Substantive	Complex redo surgery
Kulvinder Lall	Cardiac	Substantive	Minimal access AVR
Amir Sheikh	Cardiac	Substantive	Mitral surgery
Wael Awad	Cardiac	Substantive	VAD surgery
Shirish Ambekar	Cardiac	Locum	
Victor Tsang	Congenital	Substantive (GOSH)	GUCH
Ben Davies	Congenital	Substantive (GOSH)	GUCH

Notable events over past 12 months

- Ben Adams appointed as substantive consultant (local NTN)
- Non-transplant centre LVAD programme started

Examples of best practice introduced over past 12 months

- Consultant of the week model for cardiac surgery working well
- Robust morning planning meeting before theatre starts to identify priorities
- Enhanced recovery for cardiac surgery and discharge lounge to help patient flow

Plans for the year ahead

- Plan to appoint new surgeon to develop minimal access mitral surgery.
- Considering second new consultant appointment but depends on trust finances

27. St George's Hospital, London

Unit Representative Ian Hunt (Thoracic)
 TBC (Cardiac)

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Steve Livesey	Cardiac	Substantive	Mitral
Venkatachalam Chandrasekaran	Cardiac	Substantive	Mitral
Marjan Jahangiri	Cardiac	Substantive	Aortic
Mazen Sarsam	Cardiac	Substantive	Mitral
Robin Kanagasabay	Cardiac	Substantive	Arterial revascularisation
Justin Nowell	Cardiac	Substantive	Aortic
Aziz Momin	Cardiac	Substantive	Arterial revascularisation
Paul Govewella	Cardiac	Locum	
Ian Hunt	Thoracic	Substantive	Chest wall deformity
Carol Tan	Thoracic	Substantive	Complex lung cancer resection
Melanie Jenkins	Thoracic	Substantive	Enhanced recovery
Paul Vaughan	Thoracic	Substantive	Emphysema surgery
Jeremy Smelt	Thoracic	Locum	

Notable events over past 12 months

- Some notable events of the last twelve months in cardiac surgery at St George's have been well documented elsewhere. The Unit now has an internationally respected new Clinical Lead and is working hard to regain its rightful position as one of the leading Units in the country.
- Outside the clinical arena, we continue to be well represented at international meetings and have appointed new research fellows. Two PhDs have been awarded. The group have published a supplement in BMJ Heart.
- Appointment of a 5th Consultant Thoracic Surgeon
- Split of junior on-call rotas from cardiothoracic to cardiac and thoracic

Examples of best practice introduced over past 12 months

- New governance procedures have been introduced a new Governance Lead appointed. The morbidity and mortality meetings have been improved. A new Dendrite system for data collection has been installed. Daily MDTs provide a peer review of every patient that is considered for cardiac surgery.
- A new team of pathway co-ordinators and clinical nurse specialists have been introduced to streamline the patient journey. It is particularly pleasing that the unit fared so well in the recent outcomes published by NICOR.
- Development of tertiary COPD MDT/clinic
- New chest wall deformity clinic

Plans for the year ahead

- We have currently one new substantive appointment underway. We hope to strengthen the subspecialist teams and subspecialty MDTs further.
- Development of a neuro MDT to support national guidelines around thymectomy surgery for MG patients
- Development of a robotic thoracic surgery service

28. St Thomas' Hospital, London

Unit Representative Michael Sabetai
Deputy Representative Vassilios Avlonitis

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Christopher Blauth	Cardiac	Substantive	Mitral valve
Vassilios Avlonitis	Cardiac	Substantive	Mitral valve
Gianluca Lucchese	Cardiac	Substantive	Mitral valve
Paolo Bosco	Cardiac	Substantive	Mitral valve
Christopher Young	Cardiac	Substantive	Aortovascular
Michael Sabetai	Cardiac	Substantive	Aortovascular
Kamran Baig	Cardiac	Substantive	Aortovascular
Michael Ghosh-Dastidar	Cardiac	Substantive	Aortovascular

Notable events over past 12 months

- Fully established minimally invasive mitral valve programme
- Elective major aortic cases review over the past 7 years – mortality 3.9%
- Re-initiation of RAT AVR programme.

Examples of best practice introduced over past 12 months

- First joint cardiac aortic – vascular aortic outpatients' clinic for new referrals
- Three thoracic aortic surveillance clinics per month (three different cardiac aortic consultants – one each). Surveillance of thoracic aortic aneurysms and patients post type A acute aortic dissection repair
- Open thoracoabdominal aorta replacement case review (quarterly)

Plans for the year ahead

- Advanced Nurse Practitioners with subspecialty denomination, with the aim to have two fully trained to run the surveillance clinics and recognise their role in their job plans
- Introduction of 'virtual' thoracic aortic surveillance clinics

29. Manchester Royal Infirmary

Unit Representative Edward McLaughlin

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Ragheb Hasan	Cardiac	Substantive	Mitral
Franco Sogliani	Cardiac	Substantive	
Edward McLaughlin	Cardiac	Substantive	Mitral
Haitham Abunasra	Cardiac	Substantive	
Haris Bilal	Cardiac	Substantive	Aortic
Espeed Khoshbin	Cardiac	Locum	

30. Wythenshawe hospital, Manchester (Cardiac)

Unit Representative Rajamiyer Venkateswaran
Deputy Representative Ioannis Dimarakis

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Paul Waterworth	Cardiac	Substantive	Aortic surgery, heart transplant
Jim Barnard	Cardiac	Substantive	Mitral valve, heart & lung transplant, VAD
Isaac Kadir	Cardiac	Substantive	Aortic surgery, heart transplant, VAD
Rajamiyer Venkateswaran	Cardiac	Substantive	Mitral valve, heart & lung transplant, VAD
Ioannis Dimarakis	Cardiac	Substantive	Aortic surgery, heart & lung transplant, VAD
Nnamdi Nwajike	Cardiac	Substantive	Mitral valve, heart & lung transplant, VAD
John Carey	Cardiac	Substantive	
Vipin Mehta	Cardiac	Locum	Aortic surgery, transplantation

Notable events over past 12 months

- Appointment of a locum consultant with special interest in organ retrieval & transplantation to enhance ex-vivo organ perfusion for transplantation
- Excellent outcomes with long-term LVAD in the UK, as per nationally published annual mechanical circulatory support report
- Very low re-exploration rate after cardiac surgery in the nationally conducted audit
- Treated patients referred from outside the region for highly complex cardiac surgery cases who might require temporary mechanical support after cardiac surgery.

Examples of best practice introduced over past 12 months

- Following merger with Manchester Royal Infirmary, introduction of an aortic dissection rota covering both units
- National collaboration to obtain funding to develop ex-vivo perfusion of heart using organ care system machine to procure hearts from DCD heart donors

- Fourth centre in the world to perform heart transplantation from DCD donors using organ care system machine and have published our outcome and how to set up a DCD heart program.

Plans for the year ahead

- To deliver cardiac surgery activity and to keep the RTT targets
- Implement GIRFT recommendations by introducing same day admission in cardiac surgery
- Continue to perform high quality heart & lung transplantation and mechanical circulatory support.
- Plan to convert the locum to substantive post in the next 6-12 months.

30b. Wythenshawe Hospital, Manchester (Thoracic Surgery)

Unit Representative Kandadai Rammohan

Deputy Representative

Consultant Thoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Rajesh Shah	Thoracic	Substantive	
Peter Krysiak	Thoracic	Substantive	
Kandadai Rammohan	Thoracic	Substantive	
Eustace Fontaine	Thoracic	Substantive	
Felice Granato	Thoracic	Substantive	
Vijay Joshi	Thoracic	Substantive	

Notable events over past 12 months & examples of best practice

- Lung Cancer Screening. North CCG has gone live with NHS England funding, with ongoing discussions to go live at Tameside and subsequently Greater Manchester wide. Salford to go live in September. Ongoing North Manchester screening is anticipated to increase the resections by around 200 cases over the next 2 years
- Amalgamation of Central Manchester and Wythenshawe Hospitals into the Manchester Foundation Trust, one of the largest Acute Care health providers in the UK
- Centralisation of thoracic surgical clinics, which will facilitate access to a centralised preadmission process and maximise utilisation of consultant time
- Regional MDTs are all now video linked with 2 surgeons in attendance and cross cover arrangements
- Rapid Surgical Programme, which includes a daily triage of pooled referrals by consultant surgeons, with an aim to shorten patient pathway from referral to first clinic visit. It is based on a standardised pathway for staging, risk assessment and preoperative investigations for all patients.
- Standardised protocols for postoperative management of VATS lobectomies, air leaks and common postoperative complications, to allow consistent decision making for junior medical staff and the nursing teams
- Consultant led ward rounds 7 days a week with criteria led discharge to increase the throughput of patients and reduce the need for repeated medical review pre-discharge

- Standardised protocol for management of intra-hospital transfers via a central email system with on-call consultant led email responses
- Preoperative optimisation of patients with the successful launch of the CURE programme for smoking cessation, with funding from Greater Manchester Cancer. In addition, active multidisciplinary engagement with regional prehab services and surgery school
- Multidisciplinary High Risk MDT, which represents a forum for discussing physiological high risk cases and offer second surgical opinion in contentious cases. It is possibly the first model of its kind in the country in thoracic surgery, progressing now to detailed data capture with a respiratory physician chairing to facilitate active participation from all sides.

Plans for the year ahead

- A business case being developed for a dedicated thoracic oncology building, housing oncology, physicians and thoracic surgery, in partnership with the Christie Hospitals and Greater Manchester Cancer Board
- Challenges anticipated in relation to an increased need for operating capacity, with significantly increased numbers of resections from the screening programmes. This will involve a need to increase the infrastructure to address all phases of the patient pathway.

31. James Cook University Hospital, Middlesbrough

Unit Representative Mazyar Kanani

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Simon Kendall	Cardiac	Substantive	Mitral
Prof. Andrew Owens	Cardiac	Substantive	Aortic
Andrew Goodwin	Cardiac	Substantive	Aortic
Ralph White	Cardiac	Substantive	Mitral
Enoch Akowuah	Cardiac	Substantive	Mitral
Mazyar Kanani	Cardiac	Substantive	Aortic
Jonathan Ferguson	Thoracic	Substantive	
Ian Paul	Thoracic	Substantive	
Joel Dunning	Thoracic	Substantive	

Notable events over past 12 months

- Ralph White has become Clinical Director

Examples of best practice introduced over past 12 months

- Introduced day of surgery admission for cardiac and thoracic surgery
- Introduced an anaesthetic clinic for pre-op patients
- Introduced aspects of enhanced recovery into post-op care for cardiac and thoracic patients

Plans for the year ahead

- Introduce cardiac prehabilitation as part of a national trial
- Discuss the possibility of implementing a regional aortic unit in Northeast England
- Introduce endoscopic radial and vein harvest

32. Freeman Hospital, Newcastle

Unit Representative Dharmendra Agrawal (Thoracic)
BC Ramesh (Adult Cardiac)

Deputy Representative Stephan Schueler

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Stephen Clark	Cardiac	Substantive	Transplantation, aortic and mitral valve
Stephan Schueler	Cardiac	Substantive	MCS, transplantation
Karen Booth	Cardiac	Substantive	Major aortic, transplantation
Ali Kindawi	Cardiac	Substantive	Mitral
Asif Shah	Cardiac	Substantive	Mitral, transplantation, MCS
Simon Ledingham	Cardiac	Substantive	
BC Ramesh	Cardiac	Substantive	Aortic and mitral valve, transplantation
Espeed Khoshbin	Cardiac	Locum	Transplantation
Sion Barnard	Thoracic	Substantive	
Dharmendra Agrawal	Thoracic	Substantive	Robotics
Bob Slight	Thoracic	Substantive	
Vincenzo Pagliarulo	Thoracic	Substantive	
Som Ganti	Thoracic	Locum	
Asif Hasan	Congenital	Substantive	MCS, transplantation
Mohammed Nasser	Congenital	Substantive	MCS, transplantation
Fabrizio De Rita	Congenital	Substantive	MCS, transplantation

Examples of best practice introduced over past 12 months

- Daily Consultant led ward rounds (24/7)
- Minimally invasive aortic valve surgery & suture less valve implantation
- Off pump & ECMO lung transplantation
- Ozaki procedure
- Established robotic lung resection program

Plans for the year ahead

- Substantive thoracic surgeon post
- Substantive thoracic lung transplantation post
- AF surgery programme
- Continued advances in MCS and transplantation
- Minimally invasive mitral valve surgery program
- Lung cancer screening programme

33. Norfolk and Norwich University Hospital

Unit Representative Filip Van Tornout

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Filip Van Tornout	Thoracic	Substantive	
Waldemar Bartosik	Thoracic	Substantive	
Jakub Kadlec	Thoracic	Substantive	
Vasileios Kouritas	Thoracic	Substantive	

Notable events over past 12 months

- Cadaveric wetlab course for the East of England cardiothoracic training programme, in conjunction with Royal Papworth Hospital and the University of East Anglia.
- Theatre capacity increased by 50% per month in order to cope with increase in lung cancer surgery.

Plans for the year ahead

- Robotic thoracic surgery to be introduced in 2020 (postponed from September 2019)

34. Nottingham University Hospital

Unit Representative Adam Szafranek

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Adam Szafranek	Cardiac	Substantive	Mitral
Shanmuganathan Selvaraj	Cardiac	Substantive	Mitral
Naik Surendra	Cardiac	Substantive	Aortic
Renata Greco	Cardiac	Locum	Aortic

Notable events over past 12 months

- Mini-mitral programme
- Mini aortic programme

Examples of best practice introduced over past 12 months

- Mitral surgery pathway

Plans for the year ahead

- Minimal invasive surgery

33b. Nottingham City Hospital (Thoracic Surgery)

Unit Representative Mohammad Hawari

Deputy Representative Nathan Burnside

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
John Duffy	Thoracic	Locum	Oesophageal, chest wall, trachea
Andrzej Majewski	Thoracic	Substantive	VATS, LVRS
Emmanuel Addae-Boateng	Thoracic	Substantive	Robotic, VATS
Mohammad Hawari	Thoracic	Substantive	Robotic, VATS, chest wall, trachea
Nathan Burnside	Thoracic	Substantive	VATS, EBUS, chest wall

Notable events over past 12 months

- Recruitment of 5th Consultant, Mr Nathan Burnside.
- Retirement of Mr John Duffy and return as locum surgeon.
- Appointment of Mr Mohammad Hawari as new Head of Service.

Examples of best practice introduced over past 12 months

- VATS anatomical resection rate of 82%
- 1 year of robotic thoracic surgery practice
- One dose of gabapentin with intercostal blocks in VATS surgery patients has led to the reduction of paravertebral catheter, epidural, urinary catheter and arterial line usage.
- Start of surgical EBUS

Plans for the year ahead

- Start of the lung cancer screening pilot.
- Introduction of the 49-day optimal lung cancer pathway.
- Recruitment of 6th thoracic consultant.
- Recruitment of thoracic nurse specialist.

35. John Radcliffe Hospital, Oxford

Unit Representatives George Krasopoulos (Cardiac)
Dionisios Stavroulias (Thoracic)

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Prof. David Taggart	Cardiac	Substantive	OPCAB, arterial grafts
Rana Sayeed	Cardiac	Substantive	Mitral
George Krasopoulos	Cardiac	Substantive	Aortic, OPCAB, arterial grafts, hybrid AF ablation
Shakil Farid	Cardiac	Substantive	Aortic
Vivek Srivastava	Cardiac	Substantive	Mitral
Elizabeth Belcher	Thoracic	Substantive	
Dionisios Stavroulias	Thoracic	Substantive	
Francesco di Chiara	Thoracic	Substantive	

Notable events over past 12 months

- Mario Petrou has been (re-)appointed as a Consultant Cardiac Surgeon at the Royal Brompton Hospital, London
- Rana Sayeed has been appointed Chair of the Intercollegiate Specialty Board
- Elizabeth Belcher has been appointed Leader of the Panel of Question Writers (Section 1), Intercollegiate Specialty Board
- Positive outlier for operative survival after lung resection, second highest resection rate, second lowest LOS (LCCOP)

Examples of best practice introduced over past 12 months

- Sutureless valve programme
- Nurse-led CT follow-up for lung cancer

Plans for the year ahead

- Minimal access mitral valve surgery
- Frozen elephant trunk aortic reconstruction
- Hybrid AF ablation and AtriClip

36. Derriford Hospital, Plymouth

Unit Representative Clinton Lloyd
Deputy Representative Jonathan Unsworth-White

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty
James Kuo	Cardiac	Substantive	Aortic
Jonathan Unsworth-White	Cardiac	Substantive	Aortic
Adrian Marchbank	Cardiothoracic	Substantive	
Malcolm Dalrymple-Hay	Cardiac	Substantive	TAVI
Clinton Lloyd	Cardiac	Substantive	Minimally invasive surgery, TAVI
Sanjay Asopa	Cardiac	Substantive	Aortic
Bao Nguyen	Cardiac	Substantive	Aortic
Joseph Rahamim	Thoracic	Substantive	
Yusuf Awan	Thoracic	Substantive	
Osama Elzain	Thoracic	Substantive	
Francesco Sellitri	Thoracic	Substantive	

Notable events over past 12 months

- Expansion of ANP (10) and SCP (11) programme with reduction in junior doctors
- Rapid expansion of TAVI programme (150/ year) with aortic and MIS fellowship
- Reduction in overall cardiac numbers to <1000 cardiac cases – hospital pressures

Examples of best practice introduced over past 12 months

- Preoperative workup entirely SCP led
- Postoperative care ANP led and soon 24 hr care (currently SHO at night only)
- Routine weekend operating, with 1 cardiac theatre on Saturday and Sunday

Plans for the year ahead

- Expansion of the minimally invasive and TAVI programmes
- Plans to build a hybrid cardiac theatre

37. Northern General Hospital, Sheffield

Unit Representative David Hopkinson

Deputy Representative Neil Cartwright

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Peter Braidley	Cardiac	Substantive	Mitral
David Hopkinson	Thoracic	Substantive	
Jagan Rao	Thoracic	Substantive	
John Edwards	Thoracic	Substantive	Mesothelioma
Steve Hunter	Cardiac	Substantive	Mitral
Laura Socci	Thoracic	Substantive	
Neil Cartwright	Cardiac	Substantive	Mitral
Govind Chetty	Cardiac	Substantive	Aortic
Sara Tenconi	Thoracic	Substantive	Mesothelioma
Norman Briffa	Cardiac	Substantive	Mitral
Stefano Forlani	Cardiac	Substantive	Aortic
Renata Greco	Cardiac	Substantive	Aortic

Examples of best practice introduced over past 12 months

- 100% Lung Cancer MDT consultant provision.

Plans for the year ahead

- Sheffield, Leeds and Hull are soon to commence a regional Acute Aortic Dissection service.

38. University Hospital Southampton

Unit Representative Clifford Barlow

Deputy Representative Lukacs Veres, Martin Chamberlain

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Martin Chamberlain	Thoracic	Substantive	Lung cancer, rib fracture
Edwin Woo	Thoracic	Substantive	Lung cancer, paediatrics
Khalid Amer	Thoracic	Substantive	Lung cancer, VATS
Aiman Alzetani	Thoracic	Substantive	Lung cancer, LVRS
Lukacs Veres	Thoracic	Substantive	Lung cancer, robotic
Clifford Barlow	Cardiac	Substantive	
Sunil Ohri	Cardiac	Substantive	
Geoff Tsang	Cardiac	Substantive	
Theo Velissaris	Cardiac	Substantive	
Szaby Miskolczi	Cardiac	Substantive	
Makku Kaarne	Congenital	Substantive	
Nicola Viola	Congenital	Substantive	
Michael Lavrsen	Congenital	Substantive	

Notable events over past 12 months

- Highest percentage of VATS use for major lung resection in UK (85%)
- Lowest post-operative LOS for major lung resection in UK (4 days)
- Steve Livesey has left to become cardiac lead at St. George's Hospital, London
- Outcome data is in the top three for cardiac surgery (2014-17)

Examples of best practice introduced over past 12 months

- Early warning alarm system for individual cardiac surgeon outcomes
- Frozen Elephant Trunk graft in type A aortic dissection (Mr G Tsang)

Plans for the year ahead

- Introduce robotic thoracic surgery
- Expand navigational bronchoscopy service
- Expand the rib fracture fixation service
- Appoint a substantive consultant adult cardiac surgeon

39. Royal Stoke University Hospital

Unit Representative Paul Ridley

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Paul Ridley	Cardiac	Substantive	AF ablation, mitral
Longanthen Balacumaraswami	Cardiac	Substantive	Mitral, aorta
Richard Warwick	Cardiac	Substantive	Aorta
Chris Satur	Cardiothoracic	Substantive	Pulmonary embolism
Qamar Abid	Cardiothoracic	Substantive	Aorta
Shili Ghosh	Thoracic	Substantive	
Lakshmi Srinivasan	Thoracic	Locum	

Notable events over past 12 months

- Resignation of Adrian Levine from 1st November 2019

Examples of best practice introduced over past 12 months

- TAVI

40. New Cross Hospital, Wolverhampton

Unit Representative Patrick Yiu
Deputy Representative Maciej Matuszewski

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Patrick Yiu	Cardiac	Substantive	Aortic valve repair, aortic surgery, VATS
Maciej Matuszewski	Cardiac	Substantive	Aortic valve repair, aortic surgery, TAVI
Abdul Nasir	Cardiac	Substantive	Aortic surgery, OPCAB, TAVI
Nicolas Nikolaidis	Cardiac	Substantive	Mitral valve repair, minimally invasive AVR
John Billing	Cardiac	Substantive	Mitral valve repair, AF ablation
Giuseppe Rescigno	Cardiac	Locum	MVR, AVR
Ahmed Habib	Thoracic	Substantive	VATS, airway surgery
Ahmed Oliemy	Thoracic	Locum	VATS

Notable events over past 12 months

- Introduction of sutureless AVR (Perceval)
- Trust approval for robotic assisted thoracic surgery

Examples of best practice introduced over past 12 months

- 15-year anniversary for a highly successful sharing of elective surgical referrals, made possible by a *weekly consultant team meeting* on a Friday morning. All elective referrals for the week are read out and distributed by the surgeon who is on-call for that weekend. Sharing is equitable whilst respecting an individual surgeon's subspecialty interest. Politics and unit issues are also discussed at same meeting.
- Combined surgeon and cardiology OPD assessment for patients referred for TAVI

Plans for the year ahead

- A program for sutureless AVR in select patients (who would otherwise receive TAVI)
- Commencement of robotic assisted thoracic surgery (Da Vinci system)
- Dual consultant operating for high risk patients

Ireland

41. Cork University Hospital

Unit Representative Kishore Doddakula

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Kishore Doddakula	Cardiothoracic	Substantive	MIS cardiac & thoracic
John Hinchion	Cardiothoracic	Substantive	
Tara Ni Dhonchu	Cardiac	Substantive	MIS mitral (robotic)
Thomas Aherne	Cardiac	Locum	

Notable events over past 12 months

- Appointment of Tara Ni Dhonchu
- Introduction of minimally invasive mitral valve programme

Examples of best practice introduced over past 12 months

- Introduction of VATS lobectomies (audit)
- Introduction of mini AVR & replacement of ascending aorta

Plans for the year ahead

- Introduction of endoscopic vein harvest
- Robotic & MIS mitral programme

42. Mater Misericordiae University Hospital, Dublin

Unit Representative Hossein Javadpour

Deputy Representative Zeb Chughtai

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Prof. Jim McCarthy	Cardiothoracic	Substantive	MICS, transplant
Prof. Mark Redmond	Cardiac / Congenital	Substantive	Congenital, aortic root
Lars Nolke	Cardiothoracic / Congenital	Substantive	Congenital, transplant
Prof. David Healy	Cardiothoracic	Substantive	Thoracic, robotics, transplant
Jonathan McGuinness	Cardiothoracic / Congenital	Substantive	Congenital, transplant, VAD
Zeb Chughtai	Cardiothoracic	Substantive	Adult cardiac, transplant
Prof. Karen Redmond	Thoracic	Substantive	Transplant, robotics
Donna Eaton	Thoracic	Substantive	Transplant, robotics
Hossein Javadpour	Cardiothoracic	Substantive	Adult cardiac, transplant

Notable events over past 12 months

- Appointment of specialist nurse in cardiac surgery
- Increase in VAD implantation

Examples of best practice introduced over past 12 months

- Introduction of a pre-operative clinic two weeks prior to surgery to avoid cancellation due to medical reasons
- Change in blood testing protocol to avoid unnecessary testing
- Introduction of a special consent for transplant patients addressing high risk donors

Plans for the year ahead

- Ongoing issue with the hospital regarding protected beds for cardiothoracic surgery
- New consultant appointments

43. St. James's Hospital Dublin

Unit Representative Vincent Young
Deputy Representative Gary Fitzmaurice

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Ronan Ryan	Thoracic	Substantive	
Vincent Young	Cardiothoracic	Substantive	
Gary Fitzmaurice	Thoracic	Locum	
Michael Tolan	Cardiac	Substantive	
Sarah Early	Cardiac	Substantive	
Nick Walcott	Cardiac	Locum	

44. University Hospital Galway

Unit Representative Prof. Mark Da Costa

Deputy Representative Dave Veerasingam

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Alan Soo	Cardiothoracic	Substantive	Mitral valve surgery
Prof. Mark Da Costa	Cardiothoracic	Substantive	Aortic surgery
Dave Veerasingam	Cardiothoracic	Substantive	Aortic surgery
Fabio Bartolozzi	Cardiac	Locum	Mitral valve surgery

Notable events over past 12 months

- Proctoring for implantation of Percival sutureless valve (median sternotomy)
- Proctoring for RATS MIS AVR using Percival sutureless valve
- Proctoring for transapical TAVI (in patients with no other vascular access)

Examples of best practice introduced over past 12 months

- Upgrading clinical information system (electronic patient pathway) to more efficiently capture data sets for cardiac and thoracic surgery reporting
- Appointment of a new data manager to collect and oversee all cardiac and thoracic surgical activity and to coordinate and manage actions from joint cardiology-cardiac surgery conferences
- Ongoing improvements in joint vascular (including aortic) and thoracic (benign and malignant) MDT conferences

Plans for the year ahead

- Further development of theatre access
- Increase referral volume by developing more outreach clinics – current outreach to most distant referring centre in northwest Ireland
- Increase the number of critical care beds in CTICU and PACU

Northern Ireland

45. Royal Victoria Hospital, Belfast

Unit Representative Reuben Jeganathan

Deputy Representative Kieran McManus

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Reuben Jeganathan	Cardiac	Substantive	Mitral valve repair, TAVI, TMVI in MAC
Alastair Graham	Cardiothoracic	Substantive	Mitral valve repair, aortic surgery
Pushpinder Sidhu	Cardiothoracic	Substantive	Airway surgery with laser pulmonary tumourectomy
Jim McGuigan	Thoracic	Substantive	Benign oesophageal surgery, thoracic sympathectomy
Kieran McManus	Thoracic	Substantive	VATS surgery
Mark Jones	Cardiothoracic	Substantive	Mitral valve repair
OC Nzewi	Cardiac	Substantive	Pericardiectomy, mini-AVR
Niall McGonigle	Thoracic	Substantive	VATS and airway surgery
Chris Austin	Cardiac / Congenital	Substantive	Aortic valve repair, congenital surgery
Alsir Ahmed	Cardiac	Substantive	Aortic surgery, mini-AVR
Gwyn Beattie	Cardiac	Locum	

Notable events over past 12 months

- Significant improvement in extubation time (within 6 hours from 35% to 66%)
- Increase in mitral cases due to the creation mitral team & mitral MDT
- Commencement of navigational bronchoscopy service, outpatient pleuroscopy service and neochord TA programme
- Reduce pre-operative sedation from 100% to 31% in cardiac surgery

Examples of best practice introduced over past 12 months

- Mitral team & MDT – 3 surgeons
- Quarterly non-anonymised surgical post-op complications presented at surgeons meeting, which has resulted in a significant drop in return to theatre for bleeding (currently approximately 2.6%)
- Weekly thoracic governance meeting

Plans for the year ahead

- Aortic team & MDT
- Expand VATS lobectomy service
- Trauma team (virtual to live)
- Thoracic annual report - anonymised

Scotland

46. Aberdeen Royal Infirmary

Unit Representative Hussein El-Shafei

Deputy Representative Keith Buchan

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Hussein El-Shafei	Cardiothoracic	Substantive	Cardiac – aortic
Keith Buchan	Cardiothoracic	Substantive	Thoracic & cardiac
George Gibson	Cardiac	Substantive	Cardiac – coronary
Mohammed Khalil	Cardiothoracic	Substantive	Thoracic & cardiac

Notable events over past 12 months

- TAVI programme commenced
- Cardiac database moved from Philips Tomcat to Dendrite

Examples of best practice introduced over past 12 months

- Increased VATS lobectomy
- No blood X-match for majority of cardiac and thoracic cases
- Information booklet update and electronic

Plans for the year ahead

- Minimally invasive (RAT) aortic valve replacement
- Universal surgical practitioner

47. Royal Infirmary of Edinburgh

Unit Representative Vipin Zamvar
Deputy Representative Kelvin Lim

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Bill Walker	Cardiothoracic	Substantive	VATS, aortic surgery
Vipin Zamvar	Cardiothoracic	Substantive	VATS, coronary surgery, TAVI
Renzo Pessotto	Cardiothoracic	Substantive	Mitral repair, TAVI
Kelvin Lim	Cardiothoracic	Substantive	Aortic surgery, AF ablation
Vincenzo Giordano	Cardiac	Substantive	Aortic surgery
Malcolm Will	Thoracic	Substantive	VATS, Chest Wall Surgery, LVRS
Charilaos Kotsogionnadis	Cardiac	Locum	None

Notable events over past 12 months

- Cardiology-cardiac surgery MDTs now formalised with admin support and regular written minutes.
- Frozen Elephant Trunk-Major Aortic Surgery Programme
- Consolidation of Minimally Invasive Mitral Repair Programme
- High-Risk Surgical TAVI Programme
- Consolidation of Off-Pump Coronary Surgery Programme
- Regional Lung Cancer MDTs are video-linked

Examples of best practice introduced over past 12 months

- Introduction of uniform unit protocols for post-operative cardiac care
- Moving towards DOSA for thoracic surgery

Plans for the year ahead

- Planning to introduce a thoracic surgery database (TOMCAT)
- Dual Consultant Operating-Star Chamber
- Appoint a Thoracic Surgeon

- Organising the “International TAVI Congress, the Aortic Valve Meeting” in Edinburgh in February 2020
- Re-introduction of TTFM in coronary surgery
- Grow trans-catheter mitral programme

48. Golden Jubilee National Hospital, Glasgow

Unit Representative Kasra Shaikhrezai

Deputy Representative Zahid Mahmood

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Alan Kirk	Thoracic	Substantive	VATS
John Butler	Cardiothoracic	Substantive	VATS
Mohammed Asif	Thoracic	Substantive	VATS
Rocco Bilancia	Thoracic	Substantive	VATS
Nikolaos Kostoulas	Thoracic	Substantive	VATS
Vivek Pathi	Cardiac	Substantive	Mitral
Fraser Sutherland	Cardiac	Substantive	Aortic
Nawwar Al-Attar	Cardiac	Substantive	Transplantation
Philip Curry	Cardiac	Substantive	Transplantation
Kasra Shaikhrezai	Cardiac	Substantive	Mitral
Harikrishna Doshi	Cardiac	Substantive	Transplantation
Zahid Mahmood	Cardiac	Substantive	General
Mark Danton	Congenital	Substantive	Children & adults
Andrew McLean	Congenital	Substantive	Children & adults
Ed Peng	Congenital	Substantive	Children & adults
Sukumaran Nair	Cardiac	Locum	Transplantation

Notable events over past 12 months

- Robotic practice in thoracic surgery
- Reinvigorating aortic arch surgery with very satisfactory results
- Establish of extraction & device team with cardiac surgeons and EPs
- Implementing the policy of “All trainees and non-trainees are welcome in theatre”
- High scores on GMC trainee survey
- Strong links and interactions with international institutions, including Leipzig, Stuttgart and Paris
- Successful fellowships for consultants, including SCTS Ionescu and EACTS
- Successful fellowships for junior surgeons, including AATS Aortic Fellowship, Duke University Hospital Transplantation Fellowship

- World class clinical training facility located adjacent to the main hospital. The facility now hosts regular wet labs.

Examples of best practice introduced over past 12 months

- Completion of cardiac surgery strategy (5-year forward view)
- Promotion of multidisciplinary team and collaboration between cardiac surgeons and cardiologists in the form of hybrid teams
- Optimised and satisfactory interaction between the surgeons and the managers with mutual understanding
- Zero mortality for isolated AVRs

Plans for the year ahead

- Minimal invasive mitral valve surgery
- Hybrid AF ablation
- Expansion to run 5 cardiac theatres per day
- Introducing extended days to couple a second case with an all-day-case
- Introducing academic positions for cardiac surgery

Wales

49. University Hospital Cardiff

Unit Representative Indu Deglurkar

Deputy Representative

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Prof. Ulrich Von Oppell	Cardiac	Substantive	Mitral, thoraco-abdominal surgery
Dheeraj Mehta	Cardiac	Substantive	Off-pump and mitral
Mesbah Rahman	Cardiac	Substantive	Aortic
Indu Deglurkar	Cardiac	Substantive	Aortic
Michail Koutentakis	Cardiac	Locum	
Margaret Kornaszewska	Thoracic	Substantive	LQRS, chest wall deformities
Ainis Pirtnieks	Thoracic	Substantive	LQRS, post-traumatic chest wall stabilization, endobronchial laser application
Vasileios Valtzoglou	Thoracic	Substantive	

Notable events over past 12 months

- Major service reconfiguration of Thoracic Surgery
- Consistently one of the top three centres in outcomes following cardiac surgery (2009-2017 data published)

Examples of best practice introduced over past 12 months

- Introduction of minimal access mitral valve repair
- Both sutureless valves introduced into practice
- Over 85% of lung resections are done by VATS
- Dedicated operating lists for pectus repairs

Plans for the year ahead

- Pursue business case for Thoraflex Hybrid and obtain commissioning
- Use dual consultant operating strategy.
- Recruitment drive for scrub staff
- Cardiff to become a Major Trauma Centre

50. Morriston Hospital, Swansea

Unit Representative Afzal Zaidi
Deputy Representative Farah Bhatti

Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Aprim Youhana	Cardiac	Substantive	
Saeed Ashraf	Cardiac	Substantive	
Afzal Zaidi	Cardiac	Substantive	
Pankaj Kumar	Cardiac	Substantive	
Farah Bhatti	Cardiac	Substantive	
Ira Goldsmith	Thoracic	Substantive	
Francois L’hote	Thoracic	Substantive	

Examples of best practice introduced over past 12 months

- Combined cardiac surgery / cardiology clinic for aortic stenosis in patients older than 80 yrs (“sAVR / TAVI clinic”)
- Combined consultant surgical / intensivist CITU/HDU ward rounds over the weekend
- Establishment of pre-treatment optimisation with prehabilitation in lung cancer and publication of the annual report. This project is now being introduced across all of South Wales. The project won the Chairman’s VIP Award for Commitment to Research and Learning 2019.
- Innovation in thoracic surgery with the introduction of 3-D printed titanium chest wall implant for chest wall reconstruction.

Plans for the year ahead

- Combined consultant surgical / intensivist ward round on weekdays and weekends
- It has been agreed that thoracic surgical services for South Wales will be provided from Swansea. Numerous workshops involving service providers, commissioners, managers and strategy planners are being held to facilitate this. Will take 2 years to establish this service at the earliest.
- Implementation of single cancer pathway across South Wales.
- Screening for lung cancer – planning stages with the Welsh Cancer Network.
- Participation in RCT – Epidural vs Paravertebral use in thoracic surgery.

Board of Representatives (BORS) Terms of Reference

General Principles

1. The main aim of the Board of Representatives (BORS) is to enable effective two-way communication between each cardiothoracic surgical Unit in the UK & Ireland with the SCTS Executive.
2. The purpose of the Board is to promote and share quality improvement in cardiothoracic surgery.

Structure

1. Membership of the BORS includes appointed Unit Representatives and members of the SCTS Executive (including trustees, elected trustees and co-opted members).
2. Each Unit that provides cardiothoracic surgical services in the United Kingdom & Ireland should have a representative in the BORS.
3. If the appointed Unit Representative of the BORS is not able to attend a meeting, they should ensure their Unit is represented by a colleague. Each Unit should also have a named Deputy.
4. As only one representative from each Unit is required, Units who are represented on the BORS by a member of the SCTS Executive can consider not sending an additional representative.
5. Consideration can also be made within each Unit whether to have individual adult cardiac, thoracic and congenital cardiac surgical representation.

Responsibilities of Unit Representatives

1. To attend the annual BORS meeting and the Annual Business Meeting. If unable to attend, to ensure a colleague attends in lieu. All Units should be represented at the BORS meeting and the Annual Business Meeting.
2. To effectively communicate with their Unit and colleagues on matters discussed at the Annual BORS meeting and Annual Business Meeting, and other matters communicated from the SCTS.
3. To assist the SCTS in a timely manner with ad hoc enquiries relating to practice, workforce and other topical issues.
4. To support the SCTS in promoting engagement with educational events, fellowships and other opportunities.
5. To declare any real or potential conflicts of interest.
6. To share examples of best practice and quality improvement projects with the other Units and the SCTS to improve the delivery of care for patients undergoing cardiothoracic surgery in the United Kingdom and Ireland.
7. To produce a short annual report, including major events in the Unit and an up-to-date list of surgical staffing.

Appointment of Unit Representatives

1. Unit Representatives will be appointed by the executive following majority vote from an internal election amongst consultant cardiothoracic surgeons working in the Unit.
2. They will have a term of membership of three years, which is renewable for another three years with the support of colleagues in their Unit and the executive. Maximum two terms (6 years).
3. Where a Representative is not fulfilling the expected duties, the executive will invite them to step down from the role.
4. Representatives must be a member of the SCTS.

Meetings

1. The annual BORS meeting, which usually takes place at the RCS in London in September, and the Annual Business Meeting, which usually takes place at the SCTS Annual Meeting in March.
2. The SCTS will be expected to communicate the agenda to all members of the BORS and ask for agenda items.
3. The SCTS will communicate any actions of the annual BORS meeting and Annual Business Meeting to all Unit Representatives.
4. There will be a need for electronic communication via email / social media and maybe a need for occasional conference calls.
5. Travel expenses will be reimbursed for the annual BORS meeting, in line with the SCTS policy (i.e. advanced tickets only and no first class travel).

Contributors

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SCTS Honorary Secretary

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BORS Unit reports

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Arvind Singh

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