



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

**2023**

# 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 and the SCTS Executive.

It is in this regard that we have produced the 2023 SCTS BORS combined unit reports, which document the major events that have occurred in each of the fifty 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 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 is 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 addition, this year we have sought information on sustainability at the end of each report, and we thank those who have added these details.

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

We thank you all for your contributions to this report and the Society.

With best wishes



Narain Moorjani  
President



Rana Sayeed  
Honorary Secretary



Sridhar Rathinam  
Communications Secretary

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# England

# 1. Basildon University Hospital

Unit Representatives                      Alessia Rossi (Cardiac), Hatam Naase (Thoracic)

## Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Hasnat Khan	Cardiac	Substantive	Mitral valve surgery
Arvind Singh	Cardiac	Substantive	Aortic surgery
Sudhir Bhusari	Cardiac	Substantive	Mitral valve surgery
Alessia Rossi	Cardiac	Substantive	Minimally invasive cardiac surgery
Alberto Albanese	Cardiac	Substantive	Mitral valve surgery
Antonio Bivona	Cardiac	Locum	Aortic surgery
Tariq Minhas	Thoracic	Substantive	VATS
Hatam Naase	Thoracic	Locum	VATS
Abdullah Badran	Thoracic	Locum	VATS

### Notable events over past 12 months

- Appointed two Clinical Nurse Specialists for Cardiac and one for Thoracic
- Built up a minimally invasive mitral valve programme
- Restarted the Essex CTC Wet Lab programme in cardiac and thoracic recognised by the RCS
- Started Transcatheter Edge-to-Edge Mitral Valve Repair (TEER) programme in collaboration with Interventional Cardiologists

### Examples of practice introduced over past 12 months

- Collegiate review of complex and subspecialty cases for cardiac and thoracic
- Introduction of thoracic MDM internal with collaboration and attendance of pathologist

### Plans for the year ahead

- Start surgical AF ablation (Convergent)
- Starting virtual Ward - WATCh surgical pathway
- Starting RAT for aortic valve surgery

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - **Y/N** Plans: Yes for both Thoracic and Cardiac Surgery

Conservative oxygen therapy - **Y/N** Plans:

Total Intra-Venous Anaesthesia - **Y/N** Plans:

Nitrous oxide use and waste - **Y/N** Plans:

Inhalational anaesthesia - **Y/N** Plans:

Reusable anaesthetic equipment - **Y/N** Plans: bronchoscopes

### **Preparing for Surgery**

Reusable PPE and textiles - **Y/N** Plans:

Water and energy consumption - **Y/N** Plans: NA

Unnecessary clinical interventions - **Y/N** Plans: NA

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - **Y/N** Plans:

Reuse: reusables, hybrid and remanufactured - **Y/N** Plans: NA

Reduce: remove unnecessary equipment - **Y/N** Plans:

Replace: switch to low-carbon alternatives - **Y/N** Plans: NA

### **After the Operation**

Recycling and appropriate waste segregation - **Y/N** Plans:

Repair and maintenance - **Y/N** Plans:

Power off - **Y/N** Plans:



## 2. Birmingham Children's Hospital

Unit Representative

NAHP Representative

Trust Appointed Doctor (TAD) Representative

Phil Botha

Lynda O'Connor

Adrian Crucean

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Phil Botha	Congenital	Substantive	
Tim Jones	Congenital	Substantive	
Natasha Khan	Congenital	Substantive	
Nigel Drury	Honorary (Academic)	Substantive	

#### Notable events over past 12 months

- Newly qualified surgical care practitioner
- New trainee SCP appointed
- Waiting list increased considerably

#### Examples of practice introduced over past 12 months

- Cardiac arrest prevention pathway on PICU

#### Plans for the year ahead

- Attempt to re-establish pre-pandemic activity levels
- Increase access for ACHD cases, remains very limited

### 3. Queen Elizabeth Hospital, Birmingham

**Unit Representatives**                      **Moninder Bhabra (Cardiac), Babu Naidu (Thoracic)**  
**Deputy Representative**                **Stephen Rooney**

#### **Consultant Cardiothoracic Surgeons**

<b>Name</b>	<b>Specialty</b>	<b>Locum / Substantive</b>	<b>Subspecialty Interest</b>
Ehab Bishay	Thoracic	Substantive	
Babu Naidu	Thoracic	Substantive	LVRs, research
Hazem Fallouh	Thoracic	Substantive	LVRs, diaphragm
Vanessa Rogers	Thoracic	Substantive	Neuroendocrine tumours
Maninder Kalkat	Thoracic	Substantive	Airway, chest Wall
Ashvini Menon	Thoracic	Substantive	
Stephen Rooney	Cardiac	Substantive	Mitral
Mo Bhabra	Cardiac	Substantive	Mitral
Jorge Mascaro	Cardiac	Substantive	Aortic
Eshan Senanayake	Cardiac	Substantive	Aortic
Aaron Ranasinghe	Cardiac	Substantive	Transplant
Ahmed Ashoub	Cardiac	Substantive	

#### **Notable events over past 12 months**

- The Trust has started using EPIC HIVE - fully electronic patient notes - a major advance.

#### **Plans for the year ahead**

- Thoracic surgery to become directly involved with lung transplantation and robotic surgery.

## 4. Victoria Hospital, Blackpool

Unit Representative                      Carmelo Raimondo

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Carmelo Raimondo	Cardiac	Substantive	Aortic, CAD, TAVI
David Rose	Cardiac	Substantive	Mitral, MIS, arterial revascularisation
Greg Laskawski	Cardiac	Substantive	Mitral, aortic MIS
Amal Bose	Cardiac	Substantive	Aortic, CAD
Manoj Purohit	Thoracic	Substantive	Endoscopic, robotic
Joe Zacharias	Cardiothoracic	Substantive	Endoscopic cardiac & thoracic, mitral
Ali Zamir Khan	Thoracic	Substantive	Endoscopic, robotic
Antony Walker	Cardiac	Substantive	Mitral MIS
Nidal M Bittar	Cardiothoracic	Substantive	Aortic
Cristiano Spadaccio	Cardiac	Substantive	Aortic, TAVI
Bejoy Philip	Thoracic	Locum	
Ishtiaq Rahman	Cardiac	Locum	

## 5. Royal Sussex County Hospital, Brighton

Unit Representative                      Damian Balmforth

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
Damian Balmforth	Cardiac	Substantive	Aortic
Azhar Hussain	Cardiac	Locum (starting Nov 2023)	Mitral

#### Notable events over past 12 months

- One substantive cardiac consultant replacement appointment (D Balmforth)
- One new locum cardiac consultant appointment (A Hussain)
- Opening of the Louisa Martindale Building; the first part of RSCH's major redevelopment plan.

#### Examples of practice introduced over past 12 months

- Golden Discharge Programme (discharge before 10am) reintroduced post-COVID
- FET programme for TAAD

#### Plans for the year ahead

- Commence DOSA
- Introduction of AMDS for TAAD

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: We are regularly performing chest wall blocks as part of a multimodal approach to pain relief in cardiac surgery. However, presumably this question related to the use of regional anaesthesia as an alternative to general anaesthesia which would of course not be an option for cardiac surgery

Conservative oxygen therapy - Y/N Plans: Our newly acquired Draeger ventilators include an efficiency flow meter so we can gauge the degree of waste gases and make adjustments as appropriate.

Total Intra-Venous Anaesthesia - Y/N Plans: Approximately 40% of our cardiac anaesthetists use a TIVA technique. Those that continue to opt for inhalational technique do so on clinical grounds based on the medium quality evidence linking isoflurane with enhanced ischaemic preconditioning of the myocardium

Nitrous oxide use and waste - Y/N Plans: Nitrous oxide is no longer used anywhere on our unit. Indeed, we no longer have the gas pipes for it

Inhalational anaesthesia - Y/N Plans: See above response to TIVA. Of note desflurane is no longer stocked due to the scale of the environmental impact

Reusable anaesthetic equipment - Y/N Plans: No plans to introduce reusable airway equipment due to historical prion disease risks and limited availability of appropriate sterilisation.

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: No plans to date

Water and energy consumption - Y/N Plans: no plans to date

Unnecessary clinical interventions - Y/N Plans: We don't perform unnecessary clinical interventions.

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans:

Reuse: reusables, hybrid and remanufactured - Y/N Plans:

Reduce: remove unnecessary equipment -Y/N Plans: We do not stock any unnecessary equipment

Replace: switch to low-carbon alternatives - Y/N Plans:

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Clear bag recycling occurs for appropriate non-contaminated plastics and cardboard

Repair and maintenance - Y/N Plans:

Power off - Y/N Plans:

## 6. Bristol Heart Institute

Unit Representative                      Cha Rajakaruna

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Cha Rajakaruna	Cardiac	Substantive	Aortic, mini-AVR, MIDCAB, Convergent ablation
Franco Ciulli	Cardiac	Substantive	Mitral, Mitraclip, MIDCAB, Convergent ablation
Gianni Angelini	Cardiac	Substantive	Academic
Mark Yeatman	Cardiac	Substantive	Pericardial
Raimondo Ascione	Cardiac	Substantive	Mitral, academic
Eltayeb Mohamed Ahmed	Cardiac	Substantive	Aortic
Hunaid Vohra	Cardiac	Substantive	Mitral, minimally invasive aortic/mitral

#### Notable events over past 12 months

- Introduction of ERU (Enhanced Recovery Unit) on cardiac ward to facilitate ITU/HDU throughput
- Referapatient platform introduced for cardiac and thoracic surgery
- Bristol commissioned for respiratory ECMO in adult patients

#### Examples of practice introduced over past 12 months

- Enhanced Recovery Unit practice for predictable recovery patients in cardiac surgery
- Morning multidisciplinary board round prior to medical ward round

#### Plans for the year ahead

- Introduction of patient navigator
- Introduction of *Every Minute Matters* – improving patient stay and discharge management

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Y Plans: yes for select minimally invasive cases

Conservative oxygen therapy - N Plans: not in cardiac

Total Intra-Venous Anaesthesia - N Plans: not in cardiac

Nitrous oxide use and waste - Y Plans: No nitrous and manifolds taken away

Inhalational anaesthesia - Y Plans: sevo used, deso off formulary

Reusable anaesthetic equipment - N Plans: not used and no plans, previous attempts but pushed back to single use as cheaper in short term

### **Preparing for Surgery**

Reusable PPE and textiles - N Plans: not aware of plans

Water and energy consumption - N Plans: no access to the commissioned

Unnecessary clinical interventions – Y Plans:

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment – Y Plans:

Reuse: reusables, hybrid and remanufactured - Y/N Plans: only very few reusables – light handles

Reduce: remove unnecessary equipment -Y Plans:

Replace: switch to low-carbon alternatives - Y Plans: sutures and loose prep used

### **After the Operation**

Recycling and appropriate waste segregation - Y Plans:

Repair and maintenance - Y Plans:

Power off - Y/N Plans: have to keep emergency ventilator on but in other elective theatres switched off

## 7. Bristol Royal Hospital for Children

Unit Representatives                      Shafi Mussa & Andrew Parry

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Andrew Parry	Congenital	Substantive	
Massimo Caputo	Congenital	Substantive	Ebstein's
Serban Stoica	Congenital	Substantive	
Shafi Mussa	Congenital	Substantive	

#### Notable events over past 12 months

- Return of Serban Stoica from sabbatical in Jan 2022
- Build-up of long paediatric waiting list through a combination of winter pressures / PICU capacity / staffing issues

#### Examples of practice introduced over past 12 months

- Expanded Enhanced Recovery Programme
- Ongoing ERAS in appropriate patients
- First double switch operation in Bristol (M Caputo proctored by M Kostolny)
- First off-pump PEARS operation in a redo setting (S Mussa proctored by C Austin)

#### Plans for the year ahead

- Plans to introduce minimally invasive adult congenital cardiac surgery
- Plans to manage an increasing number of paediatric patients through the Enhanced Recovery Pathway (aiming for discharge on day 5 following surgery)
- Tackle paediatric waiting list
- Recover from COVID



## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

In discussion with trust

### **Anaesthesia**

Local/regional anaesthesia - Y Plans:

Conservative oxygen therapy - Y Plans:

Total Intra-Venous Anaesthesia - Y Plans:

Nitrous oxide use and waste - Y Plans: nitrous taken away

Inhalational anaesthesia - Y Plans: as with adults, sevo used and des off formulary

Reusable anaesthetic equipment - N Plans: no plans

### **Preparing for Surgery**

Reusable PPE and textiles - Y Plans: reusable theatre hats introduced

Water and energy consumption - N Plans: no automated pedals, and still use water for scrubbing

Unnecessary clinical interventions – Y Plans:

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y Plans:

Reuse: reusables, hybrid and remanufactured - Y Plans:

Reduce: remove unnecessary equipment -Y Plans:

Replace: switch to low-carbon alternatives - Y Plans:

### **After the Operation**

Recycling and appropriate waste segregation - Y Plans:

Repair and maintenance - Y Plans:

Power off - N Plans: temperature control on risk register but anaesthetic machines switched off

## 8. Bristol Royal Infirmary, Thoracic Surgery

Unit Representative                Doug West  
Deputy Representative        Eveline Internullo

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Douglas West	Thoracic	Substantive	VATS
Eveline Internullo	Thoracic	Substantive	Uniportal VATS, EBUS, navigational bronchoscopy
Rakesh Krishnadas	Thoracic	Substantive	VATS
Igor Saftic	Thoracic	Substantive	VATS
Periklis Perikleous	Thoracic	Locum	VATS

### Notable events over past 12 months

- Referapatient introduced across cardiac and thoracic surgery
- Targeted Lung Health Check Pilot started locally
- Commenced navigational bronchoscopy programme
- Second senior clinical fellow post recruited
- Trust ECMO programme, critical care outreach and critical care bed expansion programmes commenced
- Expansion of ward bed base 2022 to support elective recovery
- We welcomed Peri Perikleous to Bristol from Barts as a new locum consultant in late 2022

### Examples of practice introduced over past 12 months

- Referapatient use
- Navigational bronchoscopy, first clinical cases began in Q3 2022
- ICG introduced for segmentectomy and lobectomy cases
- Expansion of CNS-led lung cancer follow-up after surgery from two to three local sites

### Plans for the year ahead

- Robotic tendering in process - Robotic programme expected to commence Q2/Q3 2023
- Further expansion of TLHC programme from est. 7% to 20% of local population
- Business case for consultant and CNS expansion to support increased surgical activity from TLHC programme

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia – Yes: regional anaesthesia encouraged but used to compliment GA rather than instead of GA in thoracic anaesthesia

Conservative oxygen therapy – Yes: reduced O<sub>2</sub> also regarded as reduction in O<sub>2</sub> free radicals so benefits are to patient and planet.

Total Intra-Venous Anaesthesia - Yes: gaining popularity but still not standard practice in UHBW thoracic anaesthetic team

Nitrous oxide use and waste – Yes: pipeline completely decommissioned

Inhalational anaesthesia – used by those not using TIVA

Reusable anaesthetic equipment – No. Plans: Work stream in place at our Children's hospital to look at this aspect

### **Preparing for Surgery**

Reusable PPE and textiles – No. Plans: currently trialling re-usable hats and warm up jackets

Water and energy consumption – Yes: Energy reduction and net zero program. Motion sensor lights in theatre are planned within 6 months

Unnecessary clinical interventions – No. Plans: None

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment – No. Plans: none

Reuse: reusables, hybrid and remanufactured – No. Plans: none

Reduce: remove unnecessary equipment –No. Plans: none

Replace: switch to low-carbon alternatives – Yes: mainly with CHP (combined heat and power unit delivering efficient green(er) energy

### **After the Operation**

Recycling and appropriate waste segregation – Yes.

Repair and maintenance - Y/N Plans:

Power off - Yes: program for theatre 'shut down' implemented

## 9. Royal Papworth Hospital, Cambridge

**Unit Representatives**                      **Shakil Farid (Cardiac)**  
   **Aman Coonar (Thoracic)**

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
David Jenkins	Cardiac	Substantive	PTE & Transplant
Narain Moorjani	Cardiac	Substantive	Mitral
Marius Berman	Cardiac	Substantive	Transplant
Ravi De Silva	Cardiac	Substantive	Aortic
Stephen Large	Cardiac	Substantive	General & Transplant
Choo Ng	Cardiac	Substantive	PTE
John Taghavi	Cardiac	Substantive	PTE & Mitral
Shakil Farid	Cardiac	Substantive	Aortic
Steven Tsui	Cardiac	Substantive	PTE & Transplant
Frank Wells	Cardiac	Substantive	Mitral
Jason Ali	Cardiac	Locum	Transplant
Aman Coonar	Thoracic	Substantive	Thoracic
Adam Peryt	Thoracic	Substantive	Thoracic
Guiseppe Aresu	Thoracic	Substantive	Thoracic & Transplant
Pradeep Kaul	Cardiac	Substantive	Transplant
Hassiba Smail	Cardiac	Locum	Transplant

### Notable events over past 12 months

- In November, we recruited a Chief Sustainability Officer
- Mr Sam Nashef has retired after many years as a consultant surgeon
- Our Pulmonary Endarterectomy programme achieved a landmark 2500 cases

- Aortic Isthmus Symposium, Clare College, Cambridge 12<sup>th</sup> November – International Faculty comprising of vascular and cardiac surgeons
- Acute Aortic Syndromes 11<sup>th</sup> November in Heart Lung Research Institute – Widely attended by multiple specialities nationally
- Robotic surgery commenced with the CMR system. Three multi-professional teams were sequentially trained. The first UK thoracic surgery cases were performed and we understand have included the world's first LVRS using the CMR system
- One of the thoracic surgeons has joined the lung transplant service after a period of higher training at Toronto General Hospital
- One of the thoracic surgeons has been appointed NHS England National Lead for Thoracic Surgery

#### **Examples of practice introduced over past 12 months**

- We have started the use of Ascyrus Medical Dissection Stent (AMDS), which is a novel hybrid prosthesis allowing replacement of the ascending aorta, sealing of the distal anastomotic entry tear and stabilisation of the true lumen
- There is a board dedicated to improving sustainability alongside the Sustainability Officer. This includes the clinical team having involvement in procurement of items
- Piloting the VERITAS (Very Enhanced Recovery In Thoracic Anaesthesia & Surgery) programme with NHSE

#### **Plans for the year ahead**

- Ex vivo lung perfusion to optimise organs to increase lung transplant numbers
- Aortic Dissection Awareness Meeting
- Advances in Thoracic Surgery Meeting

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia – We have reduced the stocking of drugs that are thrown away regularly without being used and these are now purchased in smaller doses

Conservative oxygen therapy - N

Total Intra-Venous Anaesthesia - We have reduced use of isoflurane in exchange for TIVA.

Nitrous oxide use and waste – We do not use nitrous here

Inhalational anaesthesia – This has been reduced for an increase TIVA use

Reusable anaesthetic equipment – Purchasing of reusable items instead of disposable

### **Preparing for Surgery**

Reusable PPE and textiles – We have implemented re-useable PPE from the COVID pandemic

Water and energy consumption – Management of water flow rates in scrub sinks

Unnecessary clinical interventions - N

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y Clinical Procurement representation from clinical staff and sustainability officer allowing purchasing of reusable items instead of disposable.

Reuse: reusables, hybrid and remanufactured – Y Clinical Procurement representation from clinical staff and sustainability officer allowing purchasing of reusable items instead of disposable. A good example is parts of the endoscopic vein harvest video stack were changed allowing reusable connection instead of disposable.

Reduce: remove unnecessary equipment – The department has focussed on the refurbishment of items rather than purchasing new products.

Replace: switch to low-carbon alternatives - N

### **After the Operation**

Recycling and appropriate waste segregation – Y with particular focus on plastic reusables.

Repair and maintenance - N

Power off - Y Only emergency theatres have power on and ventilation over night

## 10. University Hospital Coventry and Warwickshire

Unit Representative                      Thomas Barker

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Thomas Barker	Cardiac	Substantive	Mitral valve
Uday Dandekar	Cardiac	Substantive	Aortic
Jain Bhaskara-Pillai	Cardiac	Substantive	Aortic
Sendhil Balasubramanian	Cardiac	Substantive	Aortic
Massimiliano Codispoti	Cardiac	Substantive	Mitral
Antonio Martin- Ucar	Thoracic	Substantive	Single-port access VATS, robotic
Luis Hernandez	Thoracic	Substantive	Single-port access VATS, robotic
Maria Kolokotroni	Thoracic	Substantive	Trauma

#### Notable events over past 12 months

- Appointment of a substantive thoracic surgeon with an interest in trauma

#### Examples of practice introduced over past 12 months

- Development of thoracic robotic surgery
- Stand-alone VATS left atrial appendage clipping

#### Plans for the year ahead

- Consolidate the robotic thoracic programme
- Participate in the new West Midlands regional dissection rota (October 2023)

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

Currently no plans. Supply issues have been a problem so keeping existing practices is currently the focus. Environmental practices will be implemented at our Trust level with which we comply.



## 11a. Castle Hill Hospital, Hull

### Cardiac Surgery

**Unit Representative**                      **Alex Cale**  
**Deputy Representative**                **Dumbor Ngaage**

#### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Alex Cale	Cardiac	Substantive	Aortic surgery
Mahmoud Loubani	Cardiac	Substantive	Aortic surgery
Martin Jarvis	Cardiac	Substantive	Aortic surgery
Dumbor Ngaage	Cardiac	Substantive	Mitral surgery, minimal access surgery
David Zicho	Cardiac	Substantive	Aortic surgery, minimal access surgery
Ben Omoregbee	Cardiac	Locum	

#### Notable events over past 12 months

- Significantly reduced operating due to staffing and capacity issues
- Increased number of complex aortic arch surgery, performed open and by minimal access approach
- Dual consultant operating for complex aortic cases
- Expansion of endoscopic vein harvesting
- Expansion of minimal access AVR

#### Examples of practice introduced over past 12 months

- Use of EVITA for aortic arch surgery
- MiECTS used for 70% of cases
- Established use of sutureless/rapid deployment valves for complex AVRs and TAVI turn downs

#### Plans for the year ahead

- Development of mini-mitral programme
- Implementation of Consultant Surgeon-of-the-Week

## 11b. Castle Hill Hospital, Hull

### Thoracic Surgery

Unit Representative            Vasileios Tentzeris

Deputy Representative        Syed Qadri

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Michael Cowen	Thoracic	Substantive	Robotic surgery, complex general thoracic surgery
Michael Gooseman	Thoracic	Substantive	Thoracic trauma, robotic surgery, emphysema
Syed Qadri	Thoracic	Substantive	Mesothelioma, non- intubated surgery, emphysema
Vasileios Tentzeris	Thoracic	Substantive	Airway management, navigational bronchoscopy, robotic surgery, emphysema

### Notable events over past 12 months

- Extended use of robotic surgery
- Surpassed 300 navigational bronchoscopies

### Examples of practice introduced over past 12 months

- Established thoracic surgery presence in Major Trauma Unit
- Expansion of Emphysema MDT to all East Yorkshire, dedicated emphysema coordinator
- Adherence to Lung Health Check (LHC) Program

### Plans for the year ahead

- Plans to introduce ROSE
- Expand the Unit to cope with LHC demands

## 12a. Leeds General Infirmary (Cardiac Surgery)

Unit Representative                      Betsy Evans  
Deputy Representative                  Sotiris Papaspyros

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Betsy Evans	Cardiac	Substantive	Mitral, TAVI
Walid Elmahdy	Cardiac	Substantive	Aortic
Pankaj Kaul	Cardiac	Substantive	Aortic
Kalyana Kavangula	Cardiac	Substantive	Aortic
Antonella Ferrara	Cardiac	Substantive	Mitral
Sotiris Papaspyros	Cardiac	Substantive	Education, mini-AVR, aortic

### Notable events over past 12 months

- Introduction of sutureless valves and FET
- Locum Ali Al Sarraf - locum from Oct 2022 - October 2023 to cover for maternity leave
- New substantive appointment of Mr Walid Elmahdy March 2023

### Examples of best practice introduced over past 12 months

- Collaborative/team approach to emergency dissection operations leading to best mortality rate in the region
- Development of aortic programme - establishment of hybrid operating with use of FET and TEVAR in conjunction with aortic cardiac surgical team, vascular surgery, and endovascular surgery
- Initiation of aortic trainee fellowship - covering exposure to TAVI/TEVAR/Vascular aortic surgery/adult acquired and congenital cardiac surgery. QIP to look at aortic dissection/aneurysm surgical patients in FU clinic with combined cardiac surgery/ cardiology and vascular/interventional radiological involvement
- Single point of referral for aortic valve disease to minimise delays in system and facilitate early MDT discussion with appropriate investigations

### Plans for the year ahead

- RAT approach to AVR
- Stepwise approach to development of minimal access programme for both aortic and mitral valve surgery
- Endoscopic vein harvesting
- Expansion of ANP/SCP group

## 12b. Leeds General Infirmary (Congenital Surgery)

Unit Representative                      Carin van Doorn

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

- Osama Jaber on sabbatical since 2022

### Examples of best practice introduced over past 12 months

- Introduced two new procedures to the unit with necessary support and governance and training in place.

### Plans for the year ahead

- Continuing to expand on 3D imaging and printing for education and surgical planning.

### 13. St James's University Hospital, Leeds

Unit Representative                Richard Milton

Deputy Representative        Joshil Lodhia

#### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Richard Milton	Thoracic	Substantive	Trauma, robotic
Nilanjan Chaudhuri	Thoracic	Substantive	Surgery for emphysema, navigational bronchoscopy
Alex Brunelli	Thoracic	Substantive	Segmentectomies, PROMS
Peter Tcherveniakov	Thoracic	Substantive	Endobronchial treatment, surgery for emphysema
Elaine Teh	Thoracic	Substantive	Robotic
Joshil Lodhia	Thoracic	Substantive	Innovation, digital pathways & databases
Marco Nardini	Thoracic	Locum	Minimally invasive surgery, mesothelioma

#### Notable events over past 12 months

- Expanded to seven fulltime adult thoracic consultants
- Increased to five ANPs
- Richard Milton appointed as Chair of Thoracic Domain of EACTS

#### Examples of practice introduced over past 12 months

- Increased utilisation of robotic theatre (from 0.5 lists per week to 1.5 lists per week)

#### Plans for the year ahead

- Increase number of surgeons doing robotic surgery

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: working towards no longer using ethyl chloride spray to check block height - using metal sticks instead. Cost and environmental saving.  
Conservative oxygen therapy - Y/N Plans: If patients have had bleomycin, no other formal pathway

Total Intra-Venous Anaesthesia - Yes - increasing widespread due to climate impact of volatile anaesthetics. Desflurane removed from LTHT which was the worst offender. To balance this against plastic waste of TIVA. Invested in kit eg TCI pumps, BIS monitors.

Nitrous oxide use and waste – Yes - Usage low in many areas - possibly remove piped N2O and use cylinders if needed. Plus work in maternity re gas and air - Entonox.

Inhalational anaesthesia – Yes - see above. Promote low flows

Reusable anaesthetic equipment - Y/N Plans: Yes - numerous pieces of work ongoing. Eg laryngoscope handles, reusable diathermy leads, reusable kidney dishes etc

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: Have both disposable and reusable theatre gowns

Water and energy consumption - Y/N Plans: Doing some work on lighting and energy consumption; Turning off scavenger system out of hours

Unnecessary clinical interventions - Y/N Plans: eg lap chole trays, green appendix pathway like avoiding catheter and ask patient to P/U pre-op. Lots of work on tray rationalisation.

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: YES – Streamlined stock of airway stents – will save at least £39,000 per year

Reuse: reusables, hybrid and remanufactured - Y/N Plans:

Reduce: remove unnecessary equipment - Y/N Plans: Currently going through VATS equipment to remove unnecessary kit

Replace: switch to low-carbon alternatives - Y/N Plans:

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Yes; Waste is split – education to put appropriate waste in correct bin

Repair and maintenance - Y/N Plans: Contracts in place

Power off - Y/N Plans: Looking at light sensors eg toilets / changing areas / scrub rooms. Tap sensors while scrubbing to avoid water waste - but depends on cost

## 14. Glenfield Hospital, University Hospitals of Leicester (Cardiac & Adult Congenital Surgery)

Unit Representative                      Leon Hadjinikolaou

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Ikenna Omeje	Congenital	Substantive	
Imran Saeed	Congenital	Substantive	
Simone Speggorin	Congenital	Substantive	
Giovanni Mariscalco	Cardiac	Substantive	Aortic
Leon Hadjinikolaou	Cardiac	Substantive	Aortic
Christopher Efthimiyou	Cardiac	Substantive	
Zein El-Dean	Cardiac	Locum	
Gavin Murphy	Cardiac	Substantive	
Shantanu Sinha	Cardiac	Substantive	Mitral
Mustafa Zakkar	Cardiac	Substantive	
Viktor Zlocha	Cardiac	Substantive	

### Notable events over past 12 months

- Complex aortic surgery by Giovanni Mariscalco, Leon Hadjinikolaou, Mustafa Zakkar
- Mitral programme led by Shantanu Sinha

### Examples of practice introduced over past 12 months

- Complex aortic surgery by Giovanni Mariscalco, Leon Hadjinikolaou, Mustafa Zakkar
- Mitral programme led by Shantanu Sinha

### Plans for the year ahead

- Leicester complex aortic course

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: No

Conservative oxygen therapy - Y/N Plans: Yes

Total Intra-Venous Anaesthesia - Y/N Plans: N/A

Nitrous oxide use and waste - Y/N Plans: Yes

Inhalational anaesthesia - Y/N Plans: Yes

Reusable anaesthetic equipment - Y/N Plans: Yes

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: Yes

Water and energy consumption - Y/N Plans: Yes

Unnecessary clinical interventions - Y/N Plans: Yes

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: Yes

Reuse: reusables, hybrid and remanufactured - Y/N Plans: Yes

Reduce: remove unnecessary equipment - Y/N Plans: Yes

Replace: switch to low-carbon alternatives - Y/N Plans: Yes

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Yes

Repair and maintenance - Y/N Plans: Yes

Power off - Y/N Plans: Yes



## 14b. Glenfield Hospital, University Hospitals of Leicester (Thoracic Surgery)

Unit Representative                      Apostolos Nakas

Deputy Representative                  Edward Caruana

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Apostolos Nakas	Thoracic	Substantive	Mesothelioma
Sridhar Rathinam	Thoracic	Substantive	VATS, LVRS, pectus
Edward Caruana	Thoracic	Substantive	VATS, diaphragm
Pavlos Papoulidis	Thoracic	Locum	

### Notable events over past 12 months

- Part of the Lung Health Check Screening Programme in Northamptonshire.
- Improved Research Portfolio including top recruiter for the TOPIC-2 Trial
- Delivery of robust cancer resection pathway during and in Covid-19 recovery.
- Delivered the long waiters for LVRS due to the pandemic.
- A new Surgical Enhanced Care Unit with dedicated beds for thoracic surgical patients has been opened.

### Examples of practice introduced over past 12 months

- A structured multidisciplinary rib fracture pathway.
- A multidisciplinary pre-operative assessment clinic.
- Return to DOSA after suspension during Covid.
- Increased elements of ERAS pathway
- Increased use of regional analgesia, serratus anterior and erector spinae blocks.

### Plans for the year ahead

- Anticipated increased activity with expansion of lung cancer screening programme.
- Plans to introduce navigational bronchoscopy and robotic thoracic surgery
- Offer a holistic ERAS pathway
- Increase DOSA
- Continue to achieve cancer targets within capacity and possible expansion.
- Anaesthetic input into the LVRS MDT
- Streamlining the Multidisciplinary Thoracic Surgery Research Group activities.

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia – Y

Increased use of regional blocks in addition to Epidurals, Paravertebrals, i.e SA blocks and ES Blocks.

Conservative oxygen therapy - Y

Total Intra-Venous Anaesthesia - Yes - increasing . Desflurane removed from UHL.

Nitrous oxide use and waste – No .

Inhalational anaesthesia – Yes – rare

Reusable anaesthetic equipment – No mostly single use

### **Preparing for Surgery**

Reusable PPE and textiles - Y: Have both disposable and reusable theatre gowns with increased use of reusable.

Water and energy consumption – Y movement sensor lights and some areas with movement sensory water taps.

Unnecessary clinical interventions – Y Plans to relook at strays depending on needs to rationalise instruments.

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - YES Plans to relook at strays depending on needs to rationalise instruments.

Reuse: reusables, hybrid and remanufactured – Mixture of both

Reduce: remove unnecessary equipment -Y/ Currently going through VATS / Thoracotomy equipment to remove unnecessary kit

Replace: switch to low-carbon alternatives - Y/N Plans:

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Yes; Waste is split but work in progress with the new sustainability manager.

Repair and maintenance - Y/N Plans: Contracts in place

Power off - Y/N Plans: Light sensors out of hours

## 14c. Leicester Royal Infirmary, University Hospitals of Leicester (Congenital)

Unit Representative                      Ikenna Omeje

Name	Specialty	Locum / Substantive	Subspecialty Interest
Ikenna Omeje	Congenital	Substantive	
Imran Saeed	Congenital	Substantive	
Simone Speggiorin	Congenital	Substantive	

### Notable events over past 12 months

- Settled in the new children's hospital
- Streamlined Adult congenital pathway with colleagues in Glenfield site

### Plans for year ahead

- Increase engagement with the cardiothoracic training programme to increase opportunities for paediatric cardiac surgery

## 15. Alder Hey Children's Hospital, Liverpool

Unit Representative                      Ramesh Kutty

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Ram Dhannapuneni	Congenital/ACHD	Substantive	
Rafael Guerrero	Congenital/ACHD	Substantive	
Ramesh Kutty	Congenital/ACHD	Substantive	
Attilio Lotto	Congenital/ACHD	Substantive	
Tommaso Generali	Congenital/ACHD	Locum	

#### Notable events over past 12 months

- ACHD service has grown into one of the largest in the UK
- Decreased activity during last financial year in paediatric operating and increase in our waiting list
- Successful 'retire and return' of senior colleague
- Appointed fifth surgeon (locum) as planned expansion/succession
- New trainee SCP post created and appointed to
- New trainee perfusionist post created and appointed to
- Successful 'open day' for parents/families and staff

#### Examples of best practice introduced over past 12 months

- Theatre efficiency drive with 'forward wait' and increased anaesthesia support

#### Plans for the year ahead

- Expand pectus activity
- Recruitment of a substantive consultant

## 16. Liverpool Heart & Chest Hospital (Cardiac & Congenital Surgery)

Unit Representative

Ahmed Othman

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Manoj Kuduvali	Cardiac	Substantive	Aortic
Mark Field	Cardiac	Substantive	Aortic
Omar Nawaytou	Cardiac	Substantive	Aortic
Deborah Harrington	Cardiac	Substantive	Aortic
Ahmed Othman	Cardiac	Substantive	Aortic
Ayman Kenawy	Cardiac	Substantive	Aortic
Mark Pullan	Cardiac	Substantive	Off-pump, mitral
Andrew Muir	Cardiac	Substantive	Off-pump, mitral
Bil Kirmani	Cardiac	Substantive	
Gopal Soppa	Cardiac	Substantive	
Mohamed Zeinah	Cardiac	Substantive	Off-pump CABG
Ian Wilson	Cardiac	Substantive	
Paul Modi	Cardiac	Substantive	Mitral
Selvaraj Shanmuganathan	Cardiac	Substantive	Mitral
Amir Khosravi	Cardiac	Substantive	
Neeraj Mediratta	Cardiothoracic	Substantive	

### Examples of practice introduced over past 12 months

- Endoscopic vein harvesting for coronary surgery
- Sutureless aortic valve replacement
- MIDCAB

**Plans for the year ahead**

- Increase the number of EVH cases

## 16b. Liverpool Heart and Chest Hospital (Thoracic)

Unit Representative                  Steven Woolley

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Richard Page	Thoracic	Substantive	Advanced resections
Neeraj Mediratta	Cardiothoracic	Substantive	
Michael Shackcloth	Thoracic	Substantive	LVRs, robotic
Steven Woolley	Thoracic	Substantive	Thymoma, robotic
Julius Asante-Siaw	Thoracic	Substantive	Pleural disease
Susannah Love	Thoracic	Substantive	
Matthew Smith	Thoracic	Substantive	

### Sustainability

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

#### Anaesthesia

Local/regional anaesthesia - Y/N Plans: Y

Conservative oxygen therapy - Y/N Plans:

Total Intra-Venous Anaesthesia - Y/N Plans:

Nitrous oxide use and waste - Y/N Plans:

Inhalational anaesthesia - Y/N Plans:

Reusable anaesthetic equipment - Y/N Plans:

#### Preparing for Surgery

Reusable PPE and textiles - Y/N Plans: Y

Water and energy consumption - Y/N Plans:

Unnecessary clinical interventions - Y/N Plans:

#### Intraoperative Equipment

Review and rationalise: instruments and equipment - Y/N Plans: Y

Reuse: reusables, hybrid and remanufactured - Y/N Plans: Y

Reduce: remove unnecessary equipment - Y/N Plans:

Replace: switch to low-carbon alternatives - Y/N Plans:

#### After the Operation

Recycling and appropriate waste segregation - Y/N Plans:

Repair and maintenance - Y/N Plans:

Power off - Y/N Plans:

## 17. Evelina London Children's Hospital

Unit Representative                      Caner Salih

### Consultant Cardiothoracic Surgeons

<b>Name</b>	<b>Specialty</b>	<b>Locum / Substantive</b>	<b>Subspecialty Interest</b>
Conal Austin	Congenital	Substantive	Congenital, Adult
Caner Salih	Congenital	Substantive	Congenital
Caroline Chenu	Congenital	Substantive	Congenital
Halkawt Nuri	Congenital	Substantive	Congenital



## 18. Great Ormond Street Hospital, London

Unit Representative                      Martin Kostolny

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Martin Kostolny	Congenital	Substantive	
Victor Tsang	Congenital	Substantive	
Nagarajan Muthialu	Congenital & Cardiothoracic	Substantive	
Branko Mimic	Congenital	Substantive	
Anusha Jeegatheeswaran	Congenital		

## 19. Guy's Hospital, London

**Unit Representative**                      **Juliet King**

**Deputy Representative**                **Tom Routledge (clinical lead)**

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Leanne Ashrafian	Thoracic	Substantive	RATS, academic, navigational bronchoscopy
Andrea Bille	Thoracic	Substantive	RATS, advanced thymoma, mesothelioma, academic
Karen Harrison-Phipps	Thoracic	Substantive	RATS, surgical training, clinical management
Juliet King	Thoracic	Substantive	Clinical governance
Lawrence Okiror	Thoracic	Substantive	RATS, LVRS/airways, audit lead
John Pilling	Thoracic	Substantive	Training and education lead
Tom Routledge	Thoracic	Substantive	RATS, surgical training, clinical lead
Stephanie Fraser	Thoracic	Associate specialist	Patient and public engagement, rapid diagnostics (navigational bronchoscopy) and technology translation.

#### Notable events over past 12 months

- Approval of eighth consultant post due to introduction of lung cancer screening.
- Expansion of robotic surgery and navigational bronchoscopy services

#### Examples of practice introduced over past 12 months

- High-risk MDT being introduced with input from POPS and anaesthetic groups to complement pre-hab service.
- Expanded thoracic nurse practitioner numbers and appointment of surgical CNS.
- Dedicated POPS consultant undertaking ward reviews of surgical patients.

#### Plans for the year ahead

- Appointment of eighth consultant
- Access to second operative robot

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

Most of these are already in place to some degree.

### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans:

Conservative oxygen therapy - Y/N Plans:

Total Intra-Venous Anaesthesia - Y/N Plans:

Nitrous oxide use and waste - Y/N Plans:

Inhalational anaesthesia - Y/N Plans:

Reusable anaesthetic equipment - Y/N Plans:

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans:

Water and energy consumption - Y/N Plans:

Unnecessary clinical interventions - Y/N Plans:

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans:

Reuse: reusables, hybrid and remanufactured - Y/N Plans:

Reduce: remove unnecessary equipment - Y/N Plans:

Replace: switch to low-carbon alternatives - Y/N Plans:

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans:

Repair and maintenance - Y/N Plans:

Power off - Y/N Plans:

## 20. Hammersmith Hospital, London

Unit Representatives	Roberto Casula (Cardiac) Jayanta Nandi (Thoracic) Marco Scarci (Thoracic)
Deputy Representative	Diana Moreira (ANP Lead)

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Roberto Casula	Cardiac	Substantive	Mitral
Prakash Punjabi	Cardiac	Substantive	Mitral
Andrew Chukwuemeka	Cardiac	Substantive	Aortic
Alessandro Viviano	Cardiac	Substantive	Aortic
Thanos Athansiou	Cardiac	Substantive	Research
Marco Scarci	Thoracic	Substantive	Thoracic, uniportal
May Al-Sahaf	Thoracic	Substantive	Thoracic VATS
Jayanta Nandi	Thoracic	Substantive	Thoracic VATS
Thomas Tsitias	Thoracic	Substantive	Thoracic VATS

### Notable events over past 12 months

- Two new cardiac surgeons appointed in January 2023
- Two thoracic surgeons in January 2022

### Examples of practice introduced over past 12 months

- Day-of-surgery admission for majority of thoracic cases
- ERAS for thoracic surgery
- DOSA pilot in cardiac surgery 2023 ongoing

### Plans for the year ahead

- Develop a thoracic step-down unit

## 21. Harefield Hospital, London

Unit Representatives      Shahzad Raja & Nizar Asadi

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Vladimir Anikin	Thoracic	Substantive	
Nisar Asadi	Thoracic	Substantive	
Toufan Bahrami	Cardiac	Substantive	Mitral
Emma Beddow	Thoracic	Substantive	
Sunil K Bhudia	Cardiac	Substantive	Aortic, mitral
John Dunning	Cardiac	Substantive	Transplant
John Finch	Thoracic	Substantive	
Jullien Gaer	Cardiac	Substantive	
Diana Garcia-Saez	Transplant	Associate specialist	Transplant
Espeed Khoshbin	Cardiac	Locum	Transplant
Maria Monteagudo-Vela	Cardiac	Locum	Transplant
Mario Petrou	Cardiac	Substantive	Aortic, mitral, transplant
Shahzad Raja	Cardiac	Substantive	Revascularisation
Fabio de Robertis	Cardiac	Substantive	Aortic, myectomy
Ulrich Stock	Cardiac	Substantive	Transplant
Bart Zych	Transplant	Associate specialist	Transplant
Mohammed Osman	Cardiac & Transplant	Locum	Transplant

### **Notable events over past 12 months**

- Introducing multiple national and international trials in the research department in thoracic surgery
- Set up CNS Clinic for Post-Surgical discharge follow-up
- Clinical team transitioned to SELCA

### **Examples of practice introduced over past 12 months**

- Patient Experience Podcast (Thoracic-Oncology)
- Macmillan Cancer Support Worker started
- Post-Surgical Follow-Up clinic setup
- CNS service specification SOP developed

### **Plans for the year ahead**

- STaR centre (simulation and clinical skills centre) at Harefield: PICC and midline insertion course, CVC insertion course, mechanical life support (MLS) advanced LVAD/Impella/ECMO course, MLS LVAD course, Lung US course (6/3/2023).
- CTS departmental teaching to start 30/1/2023.
- Introducing robotic surgery in the department
- Increase the DOSA rate
- Thoracic-Oncology Patient Experience Survey to 'Go Live' April 2023
- Lung Cancer Study Day
- CNS telephone clinic audit

## Sustainability

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### Anaesthesia

Local/regional anaesthesia - Y/N Plans:

Conservative oxygen therapy - Y/N Plans:

Total Intra-Venous Anaesthesia - Y/N Plans:

Nitrous oxide use and waste - Y/N Plans: used sparingly on thoracic side, but used as required on cardiac side (in pulm HTN and RV failure)

Inhalational anaesthesia - Y/N Plans: practice in place on thoracic surgery/anaesthetic side to reduce/omit the use of gases with negative impact on the environment.

Reusable anaesthetic equipment - Y/N Plans:

### Preparing for Surgery

Reusable PPE and textiles - Y/N Plans: PPE not reused, but textiles (bedlinen is washed and reused), Looking to trial re-usable gowns this year

Water and energy consumption - Y/N Plans:

Unnecessary clinical interventions - Y/N Plans:

### Intraoperative Equipment

Review and rationalise: instruments and equipment - Y/N Plans:

Reuse: reusables, hybrid and remanufactured - Y/N Plans: Turn off lights and computers at end of cases. Sterilium is a scrubbing option

Reduce: remove unnecessary equipment -Y/N Plans:

Replace: switch to low-carbon alternatives - Y/N Plans:

### After the Operation

Recycling and appropriate waste segregation - Y/N Plans: Recycling is routine in both clinical and non-clinical areas of theatres

Repair and maintenance - Y/N Plans: Ongoing Maintenance Contracts each year for repair and upkeep of equipment. Utilise onsite EBME team for repair of items

Power off - Y/N Plans: the power should go off in two of five theatres at night (controlled by motion sensor). At the conclusion of operative lists and on the weekends, the lighting and IT equipment are turned off.

## 22. King's College Hospital, London

**Unit Representative**                      **Alia Noorani**

**Deputy Representative**                **Habib Khan**

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Alia Noorani	Cardiac	Substantive	
Olaf Wendler	Cardiac	Substantive	
Lindsay John	Cardiac	Substantive	
Ranjit Deshpande	Cardiac	Substantive	Minimally invasive
Donald Whitaker	Cardiothoracic	Substantive	
Max Baghai	Cardiac	Substantive	
Habib Khan	Cardiac	Substantive	
Ashok Narayana	Cardiac	Locum	

#### Notable events over past 12 months

- Proctorship of established consultants in minimally invasive surgery

#### Examples of practice introduced over past 12 months

- ANP and SCP team expansion
- EVH used in nearly all cases

#### Plans for the year ahead

- Appointment of substantive consultant
- Minimally invasive fellowship
- Endoscopic radial harvest



## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia -Plans to develop

Conservative oxygen therapy - No

Total Intra-Venous Anaesthesia - Yes

Nitrous oxide use and waste - Y/N Plans:

Inhalational anaesthesia - yes

Reusable anaesthetic equipment - not at present

### **Preparing for Surgery**

Reusable PPE and textiles - No

Water and energy consumption - Y/N Plans:

Unnecessary clinical interventions - Y/N Plans:

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - yes

Reuse: reusables, hybrid and remanufactured - yes

Reduce: remove unnecessary equipment - yes

Replace: switch to low-carbon alternatives - not at present

### **After the Operation**

Recycling and appropriate waste segregation - yes

Repair and maintenance - yes

Power off - yes

## 23a. Royal Brompton Hospital, London (Cardiac Surgery)

Unit Representative      George Asimakopoulos

### 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 revascularisation surgery, ECMO
George Asimakopoulos	Cardiac	Substantive	Aortic surgery
Rashmi Yadav	Cardiac	Substantive	Mitral surgery
Cesare Quarto	Cardiac	Substantive	Aortic surgery
Mario Petrou	Cardiac	Substantive	OPCAB, Aortic surgery
Jullien Gaer	Cardiac	Substantive	
Mobi Rehman	Cardiac	Locum	Mitral 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.
- Very good outcomes in the acute aortic dissection service
- Moved towards day of surgery admission for cardiac surgery
- Day of discharge photos for patients helped reduce surgical site infection

### Examples of best practice introduced over past 12 months

- Darwin programme was introduced to increase safety and efficiency of the hospital
- Increasing programme of endoscopic mitral, AVRs
- Grow the trans-catheter mitral and tricuspid valve programme
- Start the minimally invasive mitral valve programme

### Plans for the year ahead

- 3D system for endoscopic LIMA to LAD (EndoACAB)



## 23b. Royal Brompton Hospital, London (Thoracic Surgery)

Unit Representative                Silviu Buderu  
NAHP Representative            Hema Chavan

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Simon Jordan	Thoracic	Substantive	Sarcoma, paediatric
Eric Lim	Thoracic	Substantive	Research
Michael Dusmet	Thoracic	Substantive	Retired
Sofina Begum	Thoracic	Substantive	Sarcoma, paediatric
Silviu Buderu	Thoracic	Substantive	Germ cell tumour, paediatric

### Notable events over past 12 months

- Separate rota for SpRs.

### Examples of practice introduced over past 12 months

- None

### Plans for the year ahead

- Further development of LVRS services with dedicated clinic for new and follow-up patients.
- Introducing robotic thoracic surgery.

## 23c. Royal Brompton Hospital, London (Congenital Surgery)

Unit Representative                      Andreas Hoschtitzky

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Darryl Shore	Congenital	Substantive	ACHD
Guido Michielon	Congenital	Substantive	Neonates
Andreas Hoschtitzky	Congenital	Substantive	ACHD
Caroline Chenu	Congenital	Substantive	

### Notable events over past 12 months

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

### Plans for the year ahead

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

## 24. St Bartholomew's Hospital, London

Unit Representative                      Henrietta Wilson (Thoracic)  
    Benjamin Adams (Cardiac)

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Rakesh Uppal	Cardiac	Substantive	Aortic
Benjamin Adams	Cardiac	Substantive	Aortic / Thoracoabdominal surgery
Dincer Aktuerk	Cardiac	Substantive	Mini-mitral
Shirish Ambekar	Cardiac	Substantive	Endocarditis
Wael Awad	Cardiac	Substantive	Aortic
Carmelo Di Salvo	Cardiac	Substantive	Aortic
Stephen Edmondson	Cardiac	Substantive	
Shyamsunder Kolvekar	Cardiothoracic	Substantive	Chest wall
Kulvinder Lall	Cardiac	Substantive	Aortic
David Lawrence	Cardiothoracic	Substantive	Mitral
Ana Lopez-Marco	Cardiac	Substantive	Aortic / thoracoabdominal surgery
Aung Oo	Cardiac	Substantive	Aortic / thoracoabdominal surgery
Neil Roberts	Cardiac	Substantive	
Amir Sheikh	Cardiac	Substantive	
Alex Shipolini	Cardiac	Substantive	Myocardectomy

Kit Wong	Cardiac	Substantive	
John Yap	Cardiac	Substantive	
Martin Yates	Cardiac	Locum	Myocardectomy
Timothy Batchelor	Thoracic		
Kelvin Lau	Thoracic	Substantive	Clinical director Navigational bronchoscopy and ablation LVRS Uniportal VATS
Steven Stamenkovic	Thoracic	Substantive	Director of robotic surgery Training lead Robotic assisted thoracic surgery
David Waller	Thoracic	Substantive	Research lead Mesothelioma LVRS Robotic assisted thoracic surgery
Henrietta Wilson	Thoracic	Substantive	Governance lead Robotic assisted thoracic surgery Mediastinal disease

#### **Notable events over past 12 months**

- Inaugural Barts segmentectomy course
- Inaugural Barts Bronchoscopic ablation summit
- Intuitive robotic fellowship
- Kulvinder Lall takes over as Clinical Director from Stephen Edmondson in Cardiac Surgery and Kelvin Lau as Clinical Director for Thoracic Surgery (now two roles)
- Thoracoabdominal mortality down to 7.7%
- MIMS cases reach over 60

#### **Examples of practice introduced over past 12 months**

- Specialist COPD MDT
- Pathway for management of indeterminate anterior mediastinal lesions
- MiDCAB programme commenced
- Successful bid for cardiac robot to Barts Charity

## **Plans for the year ahead**

- Barts COPD summit
- Nurse led consent
- Robotic cardiac surgery to commence
- Further work with robotic TCD device in arch surgery (device on loan for 12 months)

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Thoracic:**

#### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans:

Conservative oxygen therapy - Y/N Plans:

Total Intra-Venous Anaesthesia - Y/N Plans: Unknown

Nitrous oxide use and waste - Y/N Plans: N/a

Inhalational anaesthesia - Y/N Plans: Unknown

Reusable anaesthetic equipment - Y/N Plans: Unknown

#### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: Unknown

Water and energy consumption - Y/N Plans: Unknown

Unnecessary clinical interventions - Y/N Plans: Unknown

#### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans:

Reuse: reusables, hybrid and remanufactured - Y/N Plans:

Reduce: remove unnecessary equipment - Y/N Plans:

Replace: switch to low-carbon alternatives - Y/N Plans: Trust wide

#### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans:

Repair and maintenance - Y/N Plans:

Power off - Y/N Plans: Trust wide:

### **Cardiac:**

#### **Anaesthesia**

Local/regional anaesthesia - Y Plans: Cryoablation of intercostal nerves in TAAA cases

Conservative oxygen therapy - Y Plans: Ongoing

Total Intra-Venous Anaesthesia - Y

Nitrous oxide use and waste - N Plans: Will discuss

Inhalational anaesthesia - Y/N Plans: Will discuss

Reusable anaesthetic equipment - Y/N Plans: Will discuss

#### **Preparing for Surgery**

Reusable PPE and textiles - N Plans: ?reusable theatre gowns?

Water and energy consumption - N Plans: None

Unnecessary clinical interventions - N Plans: None

#### **Intraoperative Equipment**



Review and rationalise: instruments and equipment - Y Plans: Risk register for all end of life equipment

Reuse: reusables, hybrid and remanufactured - N Plans: None

Reduce: remove unnecessary equipment - N Plans: None

Replace: switch to low-carbon alternatives - N Plans: Will discuss

**After the Operation**

Recycling and appropriate waste segregation - N Plans: Clear Recycling bins in theatre

Repair and maintenance - N Plans:

Power off - N Plans:

## 25. St George's Hospital, London

Unit Representative                Aziz Momin  
   Justin Nowell

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Carol Tan	Thoracic	Substantive	
Ian Hunt	Thoracic	Substantive	
Paul Vaughan	Thoracic	Substantive	
Melanie Jenkins	Thoracic	Substantive	
Jeremy Smelt	Thoracic	Substantive	
Robin Wotton	Thoracic	Locum	
Venkatachalam Chandrasekaran	Cardiac	Substantive	Mitral
Mazin Sarsam	Cardiac	Substantive	Mitral
Marjan Jahangiri	Cardiac	Substantive	Aortic
Robin Kanagasabay	Cardiac	Substantive	
Justin Nowell	Cardiac	Substantive	
Aziz Momin	Cardiac	Substantive	
Paul Govewalla	Cardiac	Locum	
Pouya Youssefi	Cardiac	Locum	

### Notable events over past 12 months

- For cardiac surgery, the process of Coronal inquests touching the deaths of the St George's Independent Mortality Review cases commenced in September 2020
- Out of the 67 cases re-referred to HM Coroner, 55 inquests have been concluded so far

- Findings of Independent Mortality-Review Panel's individual *Structured Judgment Reviews*, which inform their report, have been rejected in all cases bar one. HM Senior Coroner, Professor Fiona Wilcox, rejected the Independent Mortality Review Panel's *Structured Judgment Reviews* based on findings of fact at Westminster Coroner's Court

**Examples of practice introduced over past 12 months**

- N/a

**Plans for the year ahead**

- For cardiac surgery, completion of the remaining 12 inquests before the unit can move forward.

## 26. St Thomas' Hospital, London

Unit Representative

Michael Sabetai

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Christopher Young	Cardiac	Substantive	Aortic
Michael Sabetai	Cardiac	Substantive	Aortic
Gianluca Lucchese	Cardiac	Substantive	Mitral / Minimally invasive
Emad Al Jaaly	Cardiac	Locum	
Michael Ghosh-Dastidar	Cardiac	Substantive	Aortic
Kamran Baig	Cardiac	Substantive	Aortic
Paolo Bosco	Cardiac	Substantive	Mitral
Vasilios Avlonitis	Cardiac	Substantive	Mitral
Associate Specialist Antonio Bivona	Cardiac	Substantive	

### Notable events over past 12 months

- Trust Audit half day once a month.
- Once a week, one-hour teaching session on a cardiac topic
- Training from the Reps for the new cardiac equipment/instrument once a month
- Approval of 8th consultant post due to introduction of lung cancer screening.
- Expansion of robotic surgery and navigational bronchoscopy services

### Examples of practice introduced over past 12 months

- Apollo, Epic System is introduced in the Trust. Training is in progress.
- Skin suture changed to antimicrobial and plus sutures
- Ioban/steridrape for all exposed areas/site for operation. such as; Legs in CABG cases. (for infection audit)
- Normosol is been replaced to Chlorhexidine for introducing urinary catheter to comply with the Trust Policies
- Making sure we debrief after each case

- Paper works printed for notice boards to be laminated (Infection control policy)
- Intra-operative prepping of the patient to be carried out by the SpR or the SCP to monitor SSI rates
- High-risk MDT being introduced with input from POPS and anaesthetic groups to complement pre-hab service.
- Expanded thoracic nurse practitioner numbers and appointment of surgical CNS.
- Dedicated POPS consultant undertaking ward reviews of surgical patients.

### **Plans for the year ahead**

- Appointment of 8th consultant
- Access to second operative robot

### **Sustainability - St Thomas' Hospital only**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

#### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: N, not commonly used in cardiac surgery

Conservative oxygen therapy - Y/N Plans: Y (as low-flow anaesthesia)

Total Intra-Venous Anaesthesia - Y/N Plans: Y, in some cases

Nitrous oxide use and waste - Y/N Plans: N

Inhalational anaesthesia - Y/N Plans: Y

Reusable anaesthetic equipment - Y/N Plans: Most equipment is disposable.

#### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: N, only disposable PPE and textiles used

Water and energy consumption - Y/N Plans: N, no current plans for sustainable approaches to water and energy consumption

Unnecessary clinical interventions - Y/N Plans: Y, no unnecessary clinical interventions are carried out

#### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: Y

Reuse: reusables, hybrid and remanufactured - Y/N Plans: N

Reduce: remove unnecessary equipment - Y/N Plans: N

Replace: switch to low-carbon alternatives - Y/N Plans: N

#### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Y

Repair and maintenance - Y/N Plans: Y

Power off - Y/N Plans: Y

## 27. University College London Hospitals

**Unit Representative**                **David Lawrence**  
   **Davide Patrini**  
**Deputy Representative**        **Kunal Bhakhri**

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
David Lawrence	Cardiothoracic	Substantive	Mediastinum, lung cancer, robotic
Davide Patrini	Thoracic	Substantive	ENB, lung cancer mediastinum
Kunal Bhakhri	Thoracic	Substantive	Lung cancer, RATS approach
Nikolaos Panagiotopoulos	Thoracic	Substantive (ended Feb 2023)	Minimally invasive surgery
Mario de Luca jr	Thoracic	Locum	General thoracic surgery

#### Notable events over past 12 months

- New locum started
- Further development of ENB and RATS program

#### Plans for the year ahead

- Improve RATS activity to 40% of our resection rate

### Sustainability

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

#### Anaesthesia

Local/regional anaesthesia - Y/N Plans: Y

Conservative oxygen therapy - Y/N Plans:

Total Intra-Venous Anaesthesia - Y/N Plans:

Nitrous oxide use and waste - Y/N Plans:

Inhalational anaesthesia - Y/N Plans:

Reusable anaesthetic equipment - Y/N Plans:

**Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: Y

Water and energy consumption - Y/N Plans: Y

Unnecessary clinical interventions - Y/N Plans: Y

**Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: Y

Reuse: reusables, hybrid and remanufactured - Y/N Plans: Y

Reduce: remove unnecessary equipment - Y/N Plans: Y

Replace: switch to low-carbon alternatives - Y/N Plans: Y

**After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Y

Repair and maintenance - Y/N Plans: Y

Power off - Y/N Plans: Y

## 28. Manchester Royal Infirmary

Unit Representative                      Amir Sepehripour

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Ragheb Hasan	Cardiac / TAVI	Substantive	mitral / TAVI
Edward McLaughlin	Cardiac	Substantive	mitral
Haitham Abunasra	Cardiac	Substantive	trauma
Swetha Iyer	Cardiac	Substantive	aortic
Amir Sepehripour	Cardiac	Substantive	mitral
Abdelrahman Abdelbar	Cardiac	Locum	

#### Notable events over past 12 months

- Introduction EPIC HIVE electronic patient record - this has transformed patient care in MFT.

#### Plans for the year ahead

- Further integration of single service cardiac surgery (Manchester University NHS Foundation Trust) across two sites - Manchester Royal Infirmary and Wythenshawe Hospital.



## 29a. Wythenshawe hospital, Manchester (Cardiac)

Unit Representative                      Rajamiyer Venkateswaran

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Rajamiyer Venkateswaran	Cardiac	Substantive	Transplant, MCS, mitral surgery
Paul Waterworth	Cardiac	Substantive	Heart transplant, aortic surgery
Isaac Kadir	Cardiac	Substantive	Heart transplant, MCS, aortic surgery
John Carey	Cardiac	Substantive	
Jim Barnard	Cardiac	Substantive	Transplant, MCS, mitral surgery
Ioannis Dimarakis	Cardiac	Substantive	Transplant, MCS, aortic surgery
Nnamdi Nwaejike	Cardiac	Substantive	Transplant, MCS, mitral surgery
Vipin Mehta	Cardiac	Substantive	Transplant, MCS, aortic surgery

### Plans for the year ahead

- Further integration of cardiac surgery between MRI and Wythenshawe Hospital - Cardiac surgery will move to one site at Wythenshawe Hospital.

## 29b. Wythenshawe Hospital, Manchester (Thoracic Surgery)

Unit Representative                      Eustace Fontaine

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Kandadai Rammohan	Thoracic	Substantive	LVRs, airway intervention
Eustace Fontaine	Thoracic	Substantive	Chest wall
Felice Granato	Thoracic	Substantive	Thymoma, uniportal surgery
Vijay Joshi	Thoracic	Substantive	LVRs
Annabel Sharkey	Thoracic	Substantive	Mesothelioma, uniportal surgery
Somshekar Ganti	Thoracic	Substantive	Uniportal surgery
James Barr	Thoracic	Substantive	Lung transplant

### 30. James Cook University Hospital, Middlesbrough

Unit Representative                Ian Paul  
   Danai Karamanou

#### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Ian Paul	Thoracic	Substantive	Minimally invasive/ robotic
Joel Dunning	Thoracic	Substantive	Minimally invasive/ robotic
Jonathon Ferguson	Thoracic	Substantive	
Enoch Akowuah	Cardiac	Substantive	Mitral valve/mini- mitral/research
Andrew Goodwin	Cardiac	Substantive	Minimally invasive
Danai Karamanou	Cardiac	Substantive	
Andrew Owens	Cardiac	Substantive	Aortic surgery
Mazyar Kanani	Cardiac	Substantive	Aortic surgery
Stuart Grant	Cardiac	Substantive	
Ralph White	Cardiac	Substantive	

## 31. Freeman Hospital, Newcastle

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
BC Ramesh	Cardiac	Substantive	Mitral, transplant
Asif Shah	Cardiac	Substantive	Mitral, transplant, mechanical support
Karen Booth	Cardiac	Substantive	Aortic
Stephan Schueler	Cardiac	Substantive	Mechanical support
Simon Ledingham	Cardiac	Substantive	
Izanee Mydin	Cardiac	Substantive	Transplant
Faruk Oezalp	Cardiac	Substantive	Transplant, arrhythmia
Stephen Clark	Cardiac	Substantive	Transplant, arrhythmia, carcinoid heart disease
Vamsi Dronavalli	Cardiac	Substantive	Aortic, transplant
Dharmendra Agrawal	Thoracic	Substantive	Robotics, sarcoma
Sion Barnard	Thoracic	Substantive	Chest wall, sarcoma
Vincenzo Pagliarulo	Thoracic	Substantive	Robotics
Bob Slight	Thoracic	Substantive	
Joe Thekkudan	Thoracic	Substantive	
Keng Ang	Thoracic	Substantive	LVRs, robotics
Kostas Kostantinos	Thoracic	Locum	
Mohammed Nassar	Congenital	Substantive	Transplantation, mechanical assist, PEARS
Louise Kenny	Congenital	Substantive	Transplantation, mechanical assist

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Y

Conservative oxygen therapy - Y

Total Intra-Venous Anaesthesia - Y

Nitrous oxide use and waste - yes

Inhalational anaesthesia - Y

Reusable anaesthetic equipment - Y

### **Preparing for Surgery**

Reusable PPE and textiles - Y

Water and energy consumption - Y

Unnecessary clinical interventions - Y

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - yes

Reuse: reusables, hybrid and remanufactured - Y

Reduce: remove unnecessary equipment -Y

Replace: switch to low-carbon alternatives - Y

### **After the Operation**

Recycling and appropriate waste segregation - Y

Repair and maintenance - Y

Power off - Y

## 32. Norfolk and Norwich University Hospital

Unit Representative            Jakub Kadlec  
Deputy Representative        Waldemar Bartosik

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Waldemar Bartosik	Thoracic	Substantive	Robotic, LVRS
Jakub Kadlec	Thoracic	Substantive	Chest wall, Trauma, Education, MIS
Vasileios Kouritas	Thoracic	Substantive	Robotic, LVRS
Szafron Bartlomiej	Thoracic	Locum	Education, MIS
Cristina Viola	Thoracic	Substantive	Robotic

#### Notable events over past 12 months

- Substantive colleague appointment (start 06/2023)
- Lack of specialist nurses
- Post of clinical research fellow

#### Examples of practice introduced over past 12 months

- Endobronchial valves for LVRS

#### Plans for the year ahead

- Additional thoracic CNS and SCP
- Expansion of robotic team
- Development of pectus clinic (and MDT)

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia – Y

Conservative oxygen therapy - N

Total Intra-Venous Anaesthesia - Y

Nitrous oxide use and waste - N

Inhalational anaesthesia - Y

Reusable anaesthetic equipment - N

### **Preparing for Surgery**

Reusable PPE and textiles – Y Plans: Reusable gowns, reusable hat

Water and energy consumption - Y Plans: use of lights

Unnecessary clinical interventions - Y Plans: As per patients best interest

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y Plans: Reduction of instruments for thoracotomy

Reuse: reusables, hybrid and remanufactured - Y Plans: More use of reusable gowns

Reduce: remove unnecessary equipment -Y Plans: Reduction of instruments for thoracotomy

Replace: switch to low-carbon alternatives - N Plans: Not sure, will explore

### **After the Operation**

Recycling and appropriate waste segregation - Y

Repair and maintenance - Plans: Not sure, will explore

Power off - Y Plans: switching off computers, personal responsibilities for light uses

## 33a. Nottingham University Hospital

Unit Representative           Anas Boulemden

Deputy Representative       Joseph Parker

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Niki Nicou	Cardiac	Substantive	Aortic
Adam Szafrank	Cardiac	Substantive	Mitral / Aortic
Umar Hamid	Cardiac	Substantive	Mitral
Jacob Chacko	Cardiac	Substantive	Mitral
Anas Boulemden	Cardiac	Substantive	Mitral / AF surgery

#### Notable events over past 12 months

- Appointment of two NTN's to become substantive consultants

#### Examples of practice introduced over past 12 months

- High risk MDT

#### Plans for the year ahead

- Infective endocarditis MDTs
- Minimally invasive access surgery program



## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: No

Conservative oxygen therapy - Y/N Plans: No

Total Intra-Venous Anaesthesia - Y/N Plans: No

Nitrous oxide use and waste - Y/N Plans: Never

Inhalational anaesthesia - Y/N Plans: yes

Reusable anaesthetic equipment - Y/N Plans: Never

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: Never

Water and energy consumption - Y/N Plans: No

Unnecessary clinical interventions - Y/N Plans: No

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: Yes

Reuse: reusables, hybrid and remanufactured - Y/N Plans: No

Reduce: remove unnecessary equipment Y/N Plans: Yes

Replace: switch to low-carbon alternatives - Y/N Plans: Yes

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Yes

Repair and maintenance - Y/N Plans: Yes

Power off - Y/N Plans: Yes

### 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	Substantive	
Emmanuel Addae-Boateng	Thoracic	Substantive	
Mohammad Hawari	Thoracic	Substantive	
Nathan Burnside	Thoracic	Substantive	
Mehmood Jadoon	Thoracic	Substantive	
Adnan Raza	Thoracic	Locum	

#### Notable events over past 12 months

- Expansion of unit to 6 surgeons
- Expansion of robotic programme to 4 surgeons

#### Examples of practice introduced over past 12 months

- 

#### Plans for the year ahead

- Nottingham lung cancer screening
- Recruitment of another thoracic specialist nurse
- Robotic fellowship

#### Sustainability

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

##### Anaesthesia

Local/regional anaesthesia - Y/N Plans: Yes as indicated

Conservative oxygen therapy - Y/N Plans: Yes

Total Intra-Venous Anaesthesia - Y/N Plans: Yes as indicated

Nitrous oxide use and waste - Y/N Plans: Yes as indicated

Inhalational anaesthesia - Y/N Plans: Partial

Reusable anaesthetic equipment - Y/N Plans: Partial

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: Partial

Water and energy consumption - Y/N Plans: Built in refurbishment plans.

Unnecessary clinical interventions - Y/N Plans: Yes

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: Yes

Reuse: reusables, hybrid and remanufactured - Y/N Plans: Partial

Reduce: remove unnecessary equipment - Y/N Plans: Yes

Replace: switch to low-carbon alternatives - Y/N Plans: Partial

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Yes

Repair and maintenance - Y/N Plans: Yes

Power off - Y/N Plans: Yes

## 34. John Radcliffe Hospital, Oxford

**Unit Representative**                **George Krasopoulos (Cardiac)**  
**Dionisios Stavroulias (Thoracic)**

**Deputy Representative**        **Andrea D'Alessio (TAD)**  
**Rhona Taberham (NTN)**  
**Jenny Mitchell (NAHP)**

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Rana Sayeed	Cardiac	Substantive	Mitral, minimally invasive mitral
George Krasopoulos	Cardiac	Substantive	Aortic, OPCABG, arterial grafts, hybrid AF ablation, pericardial disease, rapid-deployment valves
Vivek Srivastava	Cardiac	Substantive	Mitral, minimally invasive mitral
Antonios Kourliouros	Cardiac	Substantive	Aortic, mechanical circulatory support
David Taggart	Cardiac	Substantive (LTFT)	Academic cardiac surgery
Nicholas Walcot	Cardiac	Locum	Adult cardiac surgery
Priya Sastry	Cardiac	Substantive	Adult cardiac surgery, surgical education
Dionisios Stavroulias	Thoracic	Substantive	Thymic surgery Pectus deformities
Elizabeth Belcher	Thoracic	Substantive	Endobronchial interventions

Francesco Di Chiara	Thoracic	Substantive	Thoracoscopc first rib resection  Diaphragmatic surgery  Thoracic endometriosis
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#### **Notable events over past 12 months**

- Minimally invasive mitral surgery programme
- Rapid deployment aortic valve replacement programme
- Hybrid AF ablation and Atriclip programme
- Thoracoscopic first rib resection programme
- Miss Belcher had been appointed Education Secretary of the SCTS
- Mr Krasopoulos has been appointed as member of the Adult Cardiac Sub-Committee for SCTS

#### **Examples of practice introduced over past 12 months**

- Standardised post-operative pathway for cardiac patients
- Institution of a new M&M format
- Myasthenia MDT
- Regional Aortic MDT
- Specialist Aortic Surgical outpatient clinic

#### **Plans for the year ahead**

- Robotic thoracic surgery programme
- Consolidate current practice and results

## 35. Derriford Hospital, Plymouth

**Unit Representative**                      **Adrian Marchbank (Thoracic)**

**Clinton Lloyd (Cardiac)**

**Trainee Representative**                **Nader Moawad**

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Malcolm Dalrymple-Hay	Cardiac	Substantive	Mini access / AF / Mitral / TAVI
Clinton Lloyd	Cardiac	Substantive	Mini access / Mitral / TAVI
James Kuo	Cardiac	Substantive	Aortic
Jonathan Unsworth-White	Cardiac	Substantive	Aortic / Mitral
Sanjay Asopa	Cardiac	Substantive	TAVI / Mitral / Aorta
Bao Nguyen	Cardiac	Substantive	Mitral / Aorta
Adrian Marchbank	Cardiothoracic	Substantive	Robotic / VATS / LVRS
Joseph Rahamim	Thoracic	Substantive	Upper GI / Thoracic
Mohammad Yousaf Awan	Thoracic	Substantive	VATS
Francesco Sellitri	Thoracic	Substantive	VATS
Priyad Ariyaratnam	Thoracic	Substantive	VATS / Pectus
Osama Elzain	Thoracic	Substantive	Robotic / VATS

#### Notable events over past 12 months

- Introduction of catheter-based mitral valve interventions
- Expansion of Thoracic surgery team by appointing Mr Ariyaratnam
- Introduction of Robotic Thoracic surgery

#### Examples of practice introduced over past 12 months

- Re-introduction of endoscopic vein harvesting
- Start Robotic surgery program

- Introduction of catheter based Mitral valve interventions
- Started individual subspecialty Cardiac MDTs
- LVRS MDT networked with St Bartholomew's Hospital

#### **Plans for the year ahead**

- Expansion of the transcatheter mitral procedures program
- Pectus pathway
- Expansion of the hybrid convergent therapy program for atrial fibrillation

#### **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

##### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: No

Conservative oxygen therapy - Y/N Plans: No

Total Intra-Venous Anaesthesia - Y/N Plans: No

Nitrous oxide use and waste - Y/N Plans: No

Inhalational anaesthesia - Y/N Plans: No

Reusable anaesthetic equipment - Y/N Plans: No

##### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: No

Water and energy consumption - Y/N Plans: No

Unnecessary clinical interventions - Y/N Plans: No

##### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: No

Reuse: reusables, hybrid and remanufactured - Y/N Plans: No

Reduce: remove unnecessary equipment - Y/N Plans: No

Replace: switch to low-carbon alternatives - Y/N Plans: No

##### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: No

Repair and maintenance - Y/N Plans: No

Power off - Y/N Plans: No

## 36. Northern General Hospital, Sheffield

Unit Representative                      Stefano Forlani (Cardiac)  
    David Hopkinson (Thoracic)

Deputy Representative                  Norman Briffa

### Consultant Cardiothoracic Surgeons

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

### Plans for the year ahead

- One retirement (Thoracic)



## 37. University Hospital Southampton

**Unit Representative**                      **Lukacs Veres (Thoracic)**

**Deputy Representative**                **Lauren Dixon**

### Consultant Cardiothoracic Surgeons

<b>Name</b>	<b>Specialty</b>	<b>Locum / Substantive</b>	<b>Subspecialty Interest</b>
Aiman Alzetani	Thoracic	Substantive	LVRS, Navigational Bronchoscopy
Martin Chamberlain	Thoracic	Substantive	Lung cancer, VATS
Alessandro Tamburrini	Thoracic	Substantive	Trauma, LVRS
Lukacs Veres	Thoracic	Substantive	Robotic, Pectus
Edwin Woo	Thoracic	Substantive	Robotic, Paediatric
Sunil Ohri	Cardiac	Substantive	
Geoff Tsang	Cardiac	Substantive	Major aortic
Amit Modi	Cardiac	Substantive	Major aortic
Dimitrios Pousios	Cardiac	Substantive	Mitral
Suvitesh Luthra	Cardiac	Substantive	
Szabolcs Miskolczi	Cardiac	Substantive	
Clifford Barlow	Cardiac	Substantive	
Theodore Velissaris	Cardiac	Substantive	
Nicola Viola	Congenital	Substantive	Neonatal surgery, complex reconstructive surgery and Norwood procedure
Giedrius Baliulis	Congenital	Substantive	Adult congenital cardiac surgery, aortic valve and aortic

			surgery and complex reconstructive surgery
Michael Lavrsen	Congenital	Substantive	Valve surgery and atrioventricular septal defect repair
Antonio Ravaglioli	Congenital	Substantive	Neonatal surgery and aortic valve procedure

#### **Notable events over past 12 months**

- Significant expansion of robotic programme
- Further expansion of navigational bronchoscopy (introduction of Illumisite platform into hybrid theatre and a second surgeon joined the programme)
- Mr Modi appointed as Major Aortic Consultant
- Net expansion of Surgical activity with the adoption of extra surgical list/week
- Dual-consultant operating in complex cardiac procedures

#### **Examples of practice introduced over past 12 months**

- Trauma / rib fracture referral pathway development in the larger referral area
- Targeted Lung Health Check expansion in the region
- Newly instituted 3-monthly interdisciplinary outcomes review meeting (surgery-PICU led): adverse and unexpected events, difficult cases, monitoring of adverse events/complications trends are presented and discussed
- Whiteboard waiting list for urgent patients

#### **Plans for the year ahead**

- Introduction of a six-consultant model to enable to run the consultant of the week service
- Establishing an endobronchial ablation service
- Exploring and introducing a different robotic platform into daily practice
- Combined congenital database project
- Full time surgical fellow with interest in congenital cardiac surgery

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: Y

Conservative oxygen therapy - Y/N Plans: Y

Total Intra-Venous Anaesthesia - Y/N Plans: N

Nitrous oxide use and waste - Y/N Plans: -

Inhalational anaesthesia - Y/N Plans: -

Reusable anaesthetic equipment - Y/N Plans: -

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: N

Water and energy consumption - Y/N Plans: Y

Unnecessary clinical interventions - Y/N Plans: Y

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: Y

Reuse: reusables, hybrid and remanufactured - Y/N Plans: N

Reduce: remove unnecessary equipment - Y/N Plans: Y

Replace: switch to low-carbon alternatives - Y/N Plans: N

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Y

Repair and maintenance - Y/N Plans: Y

Power off - Y/N Plans: Y

## 38. Royal Stoke University Hospital

Unit Representative                      Udo Abah  
Deputy Representative                  Pankaj Mishra

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Udo Abah	Thoracic	Substantive	
Shilajit Ghosh	Thoracic	Substantive	
Kajan Mahendran	Thoracic	Substantive	
Lakshmi Srinivasan	Thoracic	Substantive	
Chris Satur	Thoracic	Substantive	
Lognathen Balacumaraswami	Cardiac	Substantive	Mitral / Aortic
Qamar Abid	Cardiac	Substantive	
Prakesh Nanjaiah	Cardiac	Substantive	Mitral
Richard Warwick	Cardiac	Substantive	Aortic
Pankaj Mishra	Cardiac	Substantive	Aortic

### Plans for the year ahead

- Robotic surgery
- ERAS programme
- Increase ANP workforce

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Yes

Conservative oxygen therapy - Yes

Total Intra-Venous Anaesthesia - Yes

Nitrous oxide use and waste – Not used, no plans to start

Inhalational anaesthesia - N Plans: To increase TIVA

Reusable anaesthetic equipment - Yes

### **Preparing for Surgery**

Reusable PPE and textiles – Yes (reusable gowns and drapes)

Water and energy consumption - N Plans: no current plans

Unnecessary clinical interventions - Y Plans: not practiced

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Yes

Reuse: reusable, hybrid and remanufactured - Yes

Reduce: remove unnecessary equipment -Yes

Replace: switch to low-carbon alternatives - N Plans: No plans in place

### **After the Operation**

Recycling and appropriate waste segregation - N Plans: working with industry to improve

Repair and maintenance - N Plans: no plans in place

Power off - N Plans: No plans in place

## 39. New Cross Hospital, Wolverhampton

**Unit Representative**                      **Giuseppe Rescigno**

**Deputy Representative**                **Patrick Yiu**

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Mahmoud Abdelaziz	Cardiac	Substantive	Mini aortic, aortic surgery, mitral
Stephen Billing	Cardiac	Substantive	Mitral, complex tricuspid, AF surgery
Ahmed Habib	Thoracic	Substantive	Robotic, laser, volume reduction
Maciej Matuszewski	Cardiac	Substantive	Aortic repair, aortic surgery
Nicholas Nikolaidis	Cardiac	Substantive	Mitral, MICS
Ahmed Oliemy	Thoracic	Substantive	Robotic
Giuseppe Rescigno	Cardiac	Substantive	Mini AVR, multi-arterial CABG
Patrick Yiu	Cardiothoracic	Substantive	Robotic, aortic repair, aortic surgery

#### Examples of practice introduced over past 12 months

- Neochords program
- Mitraclip
- Intuity rapid deployment valve
- Primary sternal fixation with titanium plates

#### Plans for the year ahead

- Right anterior thoracotomy AVR
- West Midlands Regional Dissection Rota
- MIDCAB
- Convergence for AF treatment

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: Y

Conservative oxygen therapy - Y/N Plans: No plan at the moment

Total Intra-Venous Anaesthesia - Y/N Plans: No plan at the moment

Nitrous oxide use and waste - Y/N Plans: Y

Inhalational anaesthesia - Y/N Plans: No plan at the moment

Reusable anaesthetic equipment - Y/N Plans: No plan at the moment

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: We are evaluating this option.

Water and energy consumption - Y/N Plans: No plan at the moment

Unnecessary clinical interventions - Y/N Plans: No plan at the moment

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: No plan at the moment

Reuse: reusables, hybrid and remanufactured - Y/N Plans: No plan at the moment

Reduce: remove unnecessary equipment - Y/N Plans: No plan at the moment

Replace: switch to low-carbon alternatives - Y/N Plans: No plan at the moment

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Y. We are working closely with the sustainability team of the Trust in order to improve our recycling process

Repair and maintenance - Y/N Plans: No plan at the moment

Power off - Y/N Plans: No plan at the moment

# Ireland



## 40. Cork University Hospital

Unit Representative                      Kishore Doddakula

Deputy Representative                Tara Ni Dhonnchu

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Kishore Doddakula	Cardiothoracic	Substantive	Minimally invasive surgery
Tara Ni Dhonnchu	Cardiac	Substantive	Mitral surgery
John Hinchion	Cardiothoracic	Substantive	None
Nadeem Anjum	Cardiothoracic	Locum	Minimally invasive surgery

### Notable events over past 12 months

- Training in Medtronic truck hosted on grounds of the hospital
- Edwards wet lab for sutureless valves

### Examples of practice introduced over past 12 months

- Introduced ANP and Physician Associates with appointment of two ANPs and one PA.

### Plans for the year ahead

- Introduce MIS Mitral Repair/Replacement
- Endoscopic vein harvest

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: Y

Conservative oxygen therapy - Y/N Plans: Y

Total Intra-Venous Anaesthesia - Y/N Plans: Y

Nitrous oxide use and waste - Y/N Plans: Y

Inhalational anaesthesia - Y/N Plans: Y

Reusable anaesthetic equipment - Y/N Plans: Y

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: Y

Water and energy consumption - Y/N Plans: Y

Unnecessary clinical interventions - Y/N Plans: Y

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: Y

Reuse: reusables, hybrid and remanufactured - Y/N Plans: Y

Reduce: remove unnecessary equipment - Y/N Plans: Y

Replace: switch to low-carbon alternatives - Y/N Plans: Y

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Y

Repair and maintenance - Y/N Plans: Y

Power off - Y/N Plans: Y

## 41. Mater Misericordiae University Hospital, Dublin

Unit Representative                      Hossein Javadpour  
Deputy Representative                  Aisling Kinsella

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Zeb Chughtai	Cardiac	Substantive	Transplant
Donna Eaton	Thoracic	Substantive	Transplant, robotic, airways
Aisling Kinsella	Cardiac	Substantive	Transplant, VADs
David Healy	Cardiothoracic	Substantive	Transplant, robotic
Hossein Javadpour	Cardiac	Substantive	Transplant
Lars Nolke	Congenital / Cardiac	Substantive	Transplant, aortic
Jim McCarthy	Cardiac	Substantive	Mitral
Jonathan McGuinness	Congenital	Substantive	Transplant, VADs
Karen Redmond	Thoracic	Substantive	Transplant, robotic, airways
Mark Redmond	Congenital/Cardiac	Substantive	Aortic
Rashid Aziz	Cardiac	Locum	

#### Notable events over past 12 months

- First heart liver transplant in Ireland
- First LVAD insertion for an ACHD patient
- Two new heart failure cardiologists appointed

#### Examples of practice introduced over past 12 months

- Introduction of ERAS for cardiac surgery patients
- New EVLP machine

### **Plans for the year ahead**

- Expansion into Hepatitis C-positive organ donors
- Expansion into Increased Risk organ donors
- Growth of Transplant Retrieval team to include more ANPs
- Data manager for the transplant department
- Expansion of the LVAD program

### **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

#### **Anaesthesia**

Local/regional anaesthesia - Y/N Yes

Conservative oxygen therapy - Y/N No

Total Intra-Venous Anaesthesia - Y/N Yes

Nitrous oxide use and waste - Y/N Yes

Inhalational anaesthesia - Y/N Yes

Reusable anaesthetic equipment - Y/N Yes

#### **Preparing for Surgery**

Reusable PPE and textiles - Y/N No ( no plans to introduce reusable PPE)

Water and energy consumption - Y/N Yes

Unnecessary clinical interventions - Y/N Yes

#### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Yes

Reuse: reusables, hybrid and remanufactured - Y/N Yes

Reduce: remove unnecessary equipment - Y/N Yes

Replace: switch to low-carbon alternatives - Y/N Yes

#### **After the Operation**

Recycling and appropriate waste segregation - Y/N Yes:

Repair and maintenance - Y/N Yes

Power off - Y/N Yes

## 42. St James's Hospital, Dublin

Unit Representative                      Gerard Fitzmaurice  
Deputy Representative                Saleem Jahangeer

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Gerard Fitzmaurice	Thoracic	Substantive	Thoracic Surgical Oncology
Saleem Jahangeer	Cardiac	Substantive	Aortic
Ronan Ryan	Thoracic	Substantive	Thoracic Surgical Oncology
Sarah Early	Cardiac	Substantive	
Vincent Young	Cardiothoracic	Substantive	
Michael Tolan	Cardiothoracic	Substantive	

### Notable events over past 12 months

- Delivery of a da Vinci Xi robotic dual console platform and the development of our robotic thoracic surgical program
- Establishment of an Aortic Surveillance Program
- Inaugural St James's Hospital Aortic Dissection Course
- Inaugural St James's Hospital Thoracic Surgical Oncology Course: Focused on Lung Cancer
- Upgrade of perfusion department with new perfusion appointments and delivery of new Getinge HL40 CPB machines

### Examples of practice introduced over past 12 months

- Day of Surgery Admissions (DOSA)
- Robotic Assisted Thoracic Surgery
- Endobronchial cryotherapy

### Plans for the year ahead

- Additional Advanced Nurse Practitioner (ANP) appointment which will enable the expansion of our pre-assessment clinic
- Expansion of RATS program
- Paperless perfusion documentation

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local / regional anaesthesia - Yes

Conservative oxygen therapy - Yes

Total Intra-Venous Anaesthesia - Yes

Nitrous oxide use and waste – Yes – Nitrous Oxide is no longer used

Inhalational anaesthesia - Yes

Reusable anaesthetic equipment – Yes; in as much as possible but particularly post Covid much of the anaesthetic equipment is disposable

### **Preparing for Surgery**

Reusable PPE and textiles – No

Water and energy consumption - Yes

Unnecessary clinical interventions – Yes; particularly as part of the ERATS program we have significantly reduced use of CVC, epidurals, inotropes and associated lines and pumps, urinary catheters, single drains, etc

### **Intra-operative Equipment**

Review and rationalise: instruments and equipment – No additional plans

Reuse: reusables, hybrid and remanufactured – Yes, in as much as possible with reusable equipment

Reduce: remove unnecessary equipment -Yes

Replace: switch to low-carbon alternatives – No; Plans: we will if possible

### **After the Operation**

Recycling and appropriate waste segregation – Yes; long established practice. Recent improvement in liquid waste management with delivery of Neptune Waste Management System

Repair and maintenance - Yes

Power off - Yes; equipment is powered off when not in use

## 43. University Hospital Galway

Unit Representative            Alan Soo  
Deputy Representative        Ronan Kelly

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Alan Soo	Cardiothoracic	Substantive	VATS, mitral repair
Ronan Kelly	Cardiothoracic	Substantive	Minimally invasive thoracic surgery, rib fixation for trauma. Multi-arterial coronary artery surgery
Fabio Bartolozzi	Cardiothoracic	Substantive	Minimally invasive valve surgery

#### Notable events over past 12 months

- Opening of new ward

#### Examples of practice introduced over past 12 months

- Endoscopic radial artery harvest
- Cryotherapy for intercostal nerve in thoracic surgery

#### Plans for the year ahead

- Continued expansion of the unit
- Appointment of new Consultant Cardiothoracic Anaesthetist

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - N Plans: Will discuss with Lead Consultant Anaesthetist

Conservative oxygen therapy - N Plans: As above

Total Intra-Venous Anaesthesia - N Plans: As above

Nitrous oxide use and waste - N Plans: As above

Inhalational anaesthesia - N Plans: As above

Reusable anaesthetic equipment - N Plans: As above

### **Preparing for Surgery**

Reusable PPE and textiles - Y Plans:

Water and energy consumption - N Plans: Will be discussed

Unnecessary clinical interventions - Y Plans:

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y Plans:

Reuse: reusables, hybrid and remanufactured - N Plans: Will be discussed

Reduce: remove unnecessary equipment -Y Plans:

Replace: switch to low-carbon alternatives - N Plans: Will be discussed

### **After the Operation**

Recycling and appropriate waste segregation - Y Plans:

Repair and maintenance - Y Plans:

Power off - Y Plans:



# **Northern Ireland**

## 44. Royal Victoria Hospital, Belfast

Unit Representative                      Pushpinder Sidhu

Deputy Representative                  Niall McGonigle

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Alsir Ahmed	Cardiac	Substantive	Aortic, OPCAB
Chris Austin	Cardiac	Substantive	Adult congenital
Gwyn Beattie	Cardiac	Substantive	Aortic, OPCAB
Rory Beattie	Thoracic	Substantive	
Alastair Graham	Cardiac	Substantive	Mitral
Reuben Jeganathan	Cardiac	Substantive	Mitral
Mark Jones	Cardiothoracic	Substantive	Mitral
Kieran McManus	Thoracic	Substantive	
Niall McGonigle	Thoracic	Substantive	
Katie O'Sullivan	Cardiac	Locum	Aortic
Haralobos Parissis	Thoracic	Locum	
Pushpinder Sidhu	Cardiothoracic	Substantive	Thoracic laser

### Notable events over past 12 months

- Jim McGuigan retired from Thoracic Practice

### Examples of practice introduced over past 12 months

- AMDS stent for aortic arch introduced for use in aortic dissection

### Plans for the year ahead

- To introduce an Aortic team
- To introduce Nurse Practitioners/Physician Assistants on our ward

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: Yes

Conservative oxygen therapy - Y/N Plans: No

Total Intra-Venous Anaesthesia - Y/N Plans: Yes

Nitrous oxide use and waste - Y/N Plans: Not used

Inhalational anaesthesia - Y/N Plans: Yes

Reusable anaesthetic equipment - Y/N Plans: No

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: No

Water and energy consumption - Y/N Plans: No

Unnecessary clinical interventions - Y/N Plans: No

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: Yes

Reuse: reusables, hybrid and remanufactured - Y/N Plans: No

Reduce: remove unnecessary equipment - Y/N Plans: No

Replace: switch to low-carbon alternatives - Y/N Plans: No

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Yes

Repair and maintenance - Y/N Plans: Yes

Power off - Y/N Plans: Yes

# Scotland

## 45. 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	
Keith Buchan	Cardiothoracic	Substantive	
Mohamed Khalil	Cardiothoracic	Substantive	

#### Notable events over past 12 months

- Partial Resumption of activity

#### Examples of practice introduced over past 12 months

- Robotic Thoracic Surgery
- EVH endoscopic vein harvesting

#### Plans for the year ahead

- Expansion of activity and workforce
- More responsibilities of support nurse practitioners

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: N

Conservative oxygen therapy - Y/N Plans: N

Total Intra-Venous Anaesthesia - Y/N Plans: N

Nitrous oxide use and waste - Y/N Plans: N

Inhalational anaesthesia - Y/N Plans: Y

Reusable anaesthetic equipment - Y/N Plans: N

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: Y

Water and energy consumption - Y/N Plans: N

Unnecessary clinical interventions - Y/N Plans: Y

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: N

Reuse: reusables, hybrid and remanufactured - Y/N Plans: N

Reduce: remove unnecessary equipment - Y/N Plans: N

Replace: switch to low-carbon alternatives - Y/N Plans: N

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: N

Repair and maintenance - Y/N Plans: N

Power off - Y/N Plans: N

## 46. Royal Infirmary of Edinburgh

Unit Representative              Vipin Zamvar  
Deputy Representative        Kelvin Lim

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Vipin Zamvar	Cardiothoracic	Substantive	Coronary Surgery, VATS, TAVI
Renzo Pessotto	Cardiothoracic	Substantive	Mitral Repair, TAVI
Kelvin Lim	Cardiac	Substantive	AF Surgery
Vincenzo Giordano	Cardiac	Substantive	Aortic Surgery
Charilaos Koutsogiannidis	Cardiac	Substantive	Aortic Valve Surgery, Major Trauma
Malcolm Will	Thoracic	Substantive	Robotic Surgery, VATS, Pectus Repairs
Anthony Chambers	Thoracic	Locum	VATS, Trauma

#### Notable events over past 12 months

- Robotic Thoracic Surgery introduced in the department.

#### Examples of practice introduced over past 12 months

- Robotic Thoracic Surgery introduced in the department. Programme running smoothly. (One Consultant trained and operating)

#### Plans for the year ahead

- Expansion of the Robotic Thoracic Surgical Programme. (One further Consultant to be trained)

## 47. Golden Jubilee National Hospital, Glasgow

**Unit Representative**                      **Harikrishna Doshi**  
**Mathew Thomas**

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Cardiac			
Philip Curry	Cardiac	Substantive	Transplant
Fraser Sutherland	Cardiac	Substantive	Aortic
Harikrishna Doshi	Cardiac	Substantive	Transplant
Sukumaran Nair	Cardiac	Substantive	Transplant, mitral
Kasra Shaikhrezai	Cardiac	Substantive	Mitral
Nawaar Al-Attar	Cardiac	Substantive	
Zahid Mahmood	Cardiac	Substantive	Mitral
Rashmi Birla	Cardiac	Substantive	
Simon Messer	Cardiac	Substantive	Transplant
Prashant Mohite	Cardiac	Locum	Retrieval
Thoracic			
Alan Kirk	Thoracic	Substantive	
Mohammed Asif	Thoracic	Substantive	
Mathew Thomas	Thoracic	Substantive	
Rocco Bilancia	Thoracic	Substantive	
Nikolaus Kostoulas	Thoracic	Substantive	
Congenital			
Mark Danton	Congenital	Substantive	
Andrew McLean	Congenital	Substantive	
Ed Peng	Congenital	Substantive	
Vivian Bader	Congenital	Locum	



### **Notable events over past 12 months**

- 2021-22: Number of cases reduced to 993 (previous years 2017-18: 1142, 2018-19: 1232, 2019-20: 1253). Mainly due to impact of Covid
- Significant increase in Cardiac Transplant activity:
  - 2020-21: 20 Heart Transplant
  - 2021-22: 24 Heart Transplant
  - 2022-23: 34 Heart Transplant so far for the current financial year
- Reduction in number of Adult Cardiac cases for last 2 years with early indications that activity is improving for current financial year:
  - April 2017 to March 2018: 1210
  - April 2018 to March 2019: 1312
  - April 2019 to March 2020: 1340
  - April 2021 to March 2021: 939
  - April 2021 to March 2022: 994
  - April 2022 till December 2022: 802
- Robotic assisted thoracic surgery remains a well utilized technique (number of cases/yr)
  - Apr 2020 to March 2021: 170
  - Apr 2021 to March 2022: 272
  - Apr 2022 to Feb 2023: 273 (projected to reach ~300 by March 31st 2023)
- There are indications that lung cancer referrals are gradually increasing. The total number of all thoracic operations performed have remained relatively steady at around 1000 cases per year but is likely to increase over the next financial year given the increase in referrals.
- Selection of two Consultants from Jubilee Hospital in Adult Cardiac and Thoracic subcommittee at National level leading to increased engagement of the Glasgow unit at National level.
- Selection of a Consultant as a National Lead for SAS doctors at SCTS.
- Selection of a Consultant on a role of Specialty Adviser to the Chief Medical Officer of Scotland role for Cardiac Surgery.

### **Examples of practice introduced over past 12 months**

#### **Cardiac surgery**

- Introduction of subspecialty team for Mitral surgery with introduction of admin consultant on weekly basis for Mitral valve referrals. Introduction of Mitral MDT.
- Successful pilot project involving Golden Jubilee Retrieval team on National DCD heart retrieval rota leading to a substantive position of Golden Jubilee NORS team on regular national DCD heart retrieval rota one week per month as a single unit covering the entire country.
- Protocol driven targeted Complex Aortic surgery with introduction of Frozen Elephant trunk procedure. Intention to develop Complex Aortic Subspecialty team along with Complex aortic MDT at Golden Jubilee Hospital.
- Various current National and International Research projects that Golden Jubilee Hospital is participating (Compiled with help from our Research lead: Prof Nawwar Al-Attar):

- ARTEMIS Trial: RAvilizumab to Protect PaTients with Chronic Kidney DisEase (CKD) from Cardiac Surgery Associated Acute Kidney Injury (CSA-AKI) and Subsequent Major Adverse Kidney Events (MAKE): A Phase 3, Randomized, Double-blind, Placebo-controlled, Multicentre Study
- Randomized comparison of the clinical Outcome of single versus Multiple Arterial grafts: the ROMA trial: Prospective non-blinded randomised multicentre trial involving 4300 patients enrolled in at least 25 international centres.
- PACes study: multicentre randomized clinical trial comparing OAC to no-OAC in addition to concomitant antiplatelet therapy in 3,200 eligible patients who develop POAF after isolated CABG. The trial will be conducted by the Cardiothoracic Surgical Trials Network (CTSN), the German Society for Thoracic and Cardiovascular Surgery (DGTHG), other European sites, the United Kingdom and Brazil.
- Preoperative weight management to improve outcomes of cardiac surgery in adults with obesity (SLIM-CARD): A multicentre feasibility randomised controlled trial
- CO2 study: Carbon dioxide insufflation and brain protection during open heart surgery: Multicentre, parallel two-group placebo-controlled blinded RCT
- LIMIT study: Low INR to Minimize Bleeding with Mechanical Valves Trial: prospective, randomised, open-label, blinded end-point (PROBE), multicentre, clinical trial.
- Normothermic vs Hypothermic cardiopulmonary Bypass in Adult Cardiac Surgery: A Multicentre Feasibility Randomised Controlled Trial (THERMIC-4).
- The UK Arm of the Transfusion Requirements in Younger Patients Undergoing Cardiac Surgery (TRICS IV) Trial
- Randomised double blind placebo controlled trial of AdTIMP3 to prevent coronary artery bypass graft failure (PROTECT study).
- QUADS: Quality of Life After Type A Aortic Dissection Surgery. Th. e UK questionnaires to survivors after Type A Aortic Dissection Surgery
- National Scottish study on the outcomes of surgery on the proximal aorta. Observational study.
- Computational modelling of repaired Tetralogy of Fallot and the influence of Pulmonary Valve Replacement. BHF funded study in collaboration with department of mathematics, University of Glasgow
- Impact of Covid-19 Pandemic on the Scottish congenital heart population. MRS funded in collaboration with Roberston centre for Biostatistics University of Glasgow

## **Thoracic surgery**

- All five thoracic consultants are now performing robotic assisted thoracic surgery. Three surgeons have exceeded 150 cases each and the other two are approaching 100. Two thoracic surgeons have gained proctor status. The thoracic unit has now performed nearly 900 robotic assisted operations.

- The thoracic surgical and radiology service introduced CT guide wire localization to aid in resecting lung nodules and the results were presented and applauded at a national conference (Scottish lung cancer MCN audit and educational day).
- Specialist MDT/groups: In 2022, there was greater engagement and formalization of the following specialist groups.
- Thymic interest group
- National sarcoma MDT with a thoracic consultant as the co-chair.
- Regional trauma MDT with active contribution in the thoracic trauma pathway.
- The thoracic urgent referral pathway has been revised with a new business inbox, referral form and a formal handover process.
- Thoracic prehabilitation has been instituted via a 1-year business case trial.
- Clinical research in thoracic surgery– as a unit with a strong academic ethos, the thoracic unit has been involved in the following trials last year : -Meso origins, CONVERT trial, TOPIC 2, PROTHOR (PROtective ventilation Vs low peep for one-lung ventilation for THORacic surgery), VITAL (Volatile Vs intravenous anaesthesia) and IMPROVE.

#### **Plans for the year ahead**

- Minimally invasive pectus surgery will be resumed.
- Introducing the minimally invasive mitral surgery program. The business meeting to discuss/ approve the program is scheduled for the first week of February. With this program we hope to offer selected patients an alternative to conventional surgery with reduced risk of infection, reduced risk of major blood loss, faster recovery (and shorter duration of hospital admission) and reduced post-operative pain.
- Establishment of Complex Aortic subspecialty and introduction of Aortic MDT and clinics.
- Endoscopic vein harvest. This program has already been approved and is set to start on 1 February

#### **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

##### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: **Yes**

Conservative oxygen therapy - Y/N Plans: **No**

Total Intra-Venous Anaesthesia - Y/N Plans: **Yes**

Nitrous oxide use and waste - Y/N Plans: **Yes**

Inhalational anaesthesia - Y/N Plans: **Yes**

Reusable anaesthetic equipment - Y/N Plans: **No**

##### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: **No**

Water and energy consumption - Y/N Plans: **No**

Unnecessary clinical interventions - Y/N Plans: **Yes**

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: **Yes**

Reuse: reusables, hybrid and remanufactured - Y/N Plans: **Yes**

Reduce: remove unnecessary equipment -Y/N Plans: **Yes**

Replace: switch to low-carbon alternatives - Y/N Plans: **No**

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: **Yes**

Repair and maintenance - Y/N Plans: **Yes**

Power off - Y/N Plans: **No**

Projects for some of the above initiatives:

### **Thoracic:**

Day 0: Phase 1 – test on 1 patient per day (am case), Phase 2 – test on 3 patients per day (both am and pm cases).

**Robotic / minimal invasive VATS:** Meeting set criteria and monitoring outcomes, i.e. LOS, surgical sites, pain control, etc.

### **Cardiac:**

ERAS: Multipronged approach with initiatives including;

- Criteria lead extubation
- Criteria lead chest drain removal
- Criteria lead pacing wire removal

### **Prehabilitation:**

- Walking patients to theatre
- Following success of pilot prehab project, we now have dedicated Prehabilitation programme.

**Mobilisation on IABP:** Especially in patients awaiting transplant: Urgent category Heart recipient patients who are awaiting organs and on a long term IABP support are mobilised. Excellent programme launched and successfully run by our Physio department and supported by Nursing and clinical teams. It is routine for us to mobilize these patients with excellent outcomes.

**Thoracic pain management system** – ESP Bolus, analysing data to introduce bolus pump

**Jubilee Frailty Project:** Undertaken in order to streamline definitions, referral pathways and optimisation of Frail patients.

# Wales

## 48. University Hospital Cardiff

Unit Representative                      Malgorzata Kornaszewska

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Indu Deglurkar	Cardiac	Substantive	Aortic
Ulrich Von Oppell	Cardiac	Substantive	Mitral
Dheeraj Mehta	Cardiac	Substantive	Off-pump
Mesbah Rahman	Cardiac	Substantive	
Michail Koutentakis	Cardiac	Substantive	
Malgorzata Kornaszewska	Thoracic	Substantive	Pectus Surgery and LVRS
Ainis Pirtnieks	Thoracic	Substantive	Sublobar resection
Vasileios Valtzoglou	Thoracic	Substantive	Empyema
Tom Combella	Thoracic	Substantive	Sublobar resection, robotic, chest wall surgery

#### Notable events over past 12 months

- Expansion of rib fixation service through delivery of MTC

#### Plans for the year ahead

- Submission of business case for Robotic thoracic surgery
- Pilot of regional Lung cancer screening
- Contributing centres to CONVERT and ORIF national rib fixation RCT

## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia – No Plans: Work in Progress to implement RA for Post op analgesia as part of ERAS.

Conservative oxygen therapy - No. Not sure if you mean low flow anaesthesia. All our machines are automatic gas flow machines and do very low flow anaesthesia.

Total Intra-Venous Anaesthesia - Yes. Only for Cancer cases.

Nitrous oxide use and waste - Yes N2O piped Gas has been decommissioned

Inhalational anaesthesia - Yes. Most Cardiac and Non-cancer. Desflurane has been decommissioned

Reusable anaesthetic equipment - No. Plans to implement reusable Video laryngoscopes and Bronchoscopes.

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans:

Water and energy consumption - Y/N Plans:

Unnecessary clinical interventions - Y/N Plans:

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans:

Reuse: reusables, hybrid and remanufactured - Y/N Plans:

Reduce: remove unnecessary equipment -Y/N Plans:

Replace: switch to low-carbon alternatives - Y/N Plans:

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans:

Repair and maintenance - Y/N Plans:

Power off - Y/N Plans:

## 49. Morriston Hospital, Swansea

Unit Representative              Afzal Zaidi  
Deputy Representative        Ira Goldsmith

### Consultant Cardiothoracic Surgeons

Name	Specialty	Locum / Substantive	Subspecialty Interest
Saeed Ashraf	Cardiac	Substantive	Mitral valve; Aortic surgery
Farah Bhatti	Cardiac	Substantive	
Fabio Falconieri	Cardiac	Substantive	
Ira Goldsmith	Thoracic	Substantive	Sarcoma; 3D printing chest wall reconstruction; Lung metastasectomy
Pankaj Kumar	Cardiac	Substantive	Mitral valve repair; Mini AVR
Francois Lhote	Thoracic	Substantive	Rib fixation
Syed Saleem Mujtaba	Cardiac	Locum	
Aprim Youhana	Cardiac	Substantive	
Afzal Zaidi	Cardiac	Substantive	

#### Notable events over past 12 months

- Appointment of one substantive cardiac surgeon
- Appointment of thoracic nurse specialists

#### Examples of practice introduced over past 12 months

- Check list for chest closure in cardiac surgery

#### Plans for the year ahead

- Progress towards establishing the Adult Thoracic Surgical Service for South Wales at Morriston.
- To appoint a third substantive Thoracic Surgeon [as per the GIRFT report].



## **Sustainability**

Have you implemented any sustainable approaches on the below checklist? If not, please detail your plans.

### **Anaesthesia**

Local/regional anaesthesia - Y/N Plans: Yes, current practice and ongoing research

Conservative oxygen therapy - Y/N Plans: NK

Total Intra-Venous Anaesthesia - Y/N Plans: Yes

Nitrous oxide use and waste - Y/N Plans: No, do not use NO

Inhalational anaesthesia - Y/N Plans: Yes

Reusable anaesthetic equipment - Y/N Plans: No

### **Preparing for Surgery**

Reusable PPE and textiles - Y/N Plans: No

Water and energy consumption - Y/N Plans: No

Unnecessary clinical interventions - Y/N Plans: No

### **Intraoperative Equipment**

Review and rationalise: instruments and equipment - Y/N Plans: Yes

Reuse: reusables, hybrid and remanufactured - Y/N Plans: Yes

Reduce: remove unnecessary equipment - Y/N Plans: Yes

Replace: switch to low-carbon alternatives - Y/N Plans: Yes

### **After the Operation**

Recycling and appropriate waste segregation - Y/N Plans: Yes

Repair and maintenance - Y/N Plans: Yes

Power off - Y/N Plans: Yes

# 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 and 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 General Meeting. If unable to attend, to ensure a colleague attends in lieu. All Units should be represented at the BORS meeting and the Annual General Meeting.
2. To effectively communicate with their Unit and colleagues on matters discussed at the Annual BORS meeting and Annual General 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 their 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 General Meeting, which usually takes place as a virtual 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 General Meeting to all Unit Representatives.
4. There will be a need for electronic communication via e-mail/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. advancetickets only and no first-class travel).

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