



# Thoracic Surgery Pre-Consultant Course (ST7.1 Phase 3)

Johnson & Johnson Institute, Hamburg  
26th - 27th April 2023

## Programme

### Course Directors

**Sridhar Rathinam**

Consultant Thoracic Surgeon, University Hospitals of Leicester

**Kelvin Lau**

Consultant Thoracic Surgeon, St Bartholomew's Hospital London

## Faculty List (*Provisional*)

Thoracic Surgery Faculty	
Maninder Kalkat	Consultant Thoracic Surgeon, University Hospitals of Birmingham
Shilajit Ghosh	Consultant Thoracic Surgeon, University Hospitals of North Staffordshire, Stoke on Trent
Prof Donna Eaton	Consultant Thoracic Surgeon, Mater Misericordiae University Hospital, Dublin
Elaine Teh	Consultant Thoracic Surgeon, St James Hospital Leeds

## Faculty Bios:



**Mr Sridhar Rathinam** is a Consultant Thoracic Surgeon in the University Hospitals of Leicester with a special interest in parenchyma preserving oncological lung resections, chest wall surgery, minimally invasive lung resections and surgery for emphysema including endobronchial valve and coils. He is the Communications secretary and former Education secretary of the SCTS and has co-developed an innovative portfolio of 12 structured simulation based courses for nationally-appointed which is the first of its kind in the world.

He is a faculty member in national and international cardiothoracic courses. He is a faculty member of EACTS academy and SCTS University.

He was the Cardiothoracic Training Programme Director for the East Midlands. He is the simulation lead of the Cardiothoracic SAC and the Chairman of the Intercollegiate Speciality Board Examination in Cardiothoracic surgery.

He is the Ex-Chair of Cardiothoracic Specialty specific group in the Royal College of Surgeons of Edinburgh.



**Mr Kelvin Lau** is a Consultant thoracic surgeon at St Bartholomew's Hospital. He set up the thoracic surgery service and introduced minimally invasive (both VATS and robotic) surgery and implemented an enhanced recovery programme. His specialist interests are in innovation, navigation bronchoscopy and image-guided surgery in the hybrid theatre. As a manager his interests are in team-building and delivering superspecialism at the consultant level, and integrating system specialties to remove silo mentality and take down inter-specialty barriers facing patients.



**Mr Maninder Singh Kalkat** is a Consultant Cardiothoracic Surgeon in the Regional Department of Thoracic Surgery at University Hospitals Birmingham since 2005. He pioneered the use of minimally invasive video assisted thoracoscopic surgery (VATS) for thoracic benign and malignant conditions in the country. His special interests include airway surgery and chest wall resection and reconstruction for sarcomas.

He organizes and participates in various courses for teaching and training, notably EACTS academy, SCTS courses and Birmingham Review Course in Cardiothoracic Surgery. He was the meetings secretary for the SCTS and is the Chair of the Cardiothoracic SSB for the Royal College of Surgeons of Edinburgh. He is Deputy Medical Director for the division in the largest hospital trust in the United Kingdom.



**Mr Shilajit Ghosh** was appointed as a Thoracic surgeon at the University Hospital of North Midlands NHS Trust in 2007. His special interests are Minimal Access Surgery, chest wall surgery and Airway surgery and interventions. He has been the Clinical Lead for Thoracic Surgery since 2010.

He has been intricately involved in training and teaching and is currently the Training Programme Director for Cardiothoracic Surgery for the West Midlands Deanery, member of the Specialist Advisory Committee for CTh Surgery and FRCS Part III Examiner.



**Prof. Donna Eaton** is the Head of Thoracic Surgery at the Mater Misericordiae University Hospital and is the lead for Robotic Thoracic Surgery in the unit. She has extensive experience in minimally invasive surgery including thoracoscopic (VATS) and robotic surgery (RATS). Prof. Eaton was awarded a PhD from King's College University, London for her research in molecular and cellular biology. She has published a number of high impact peer reviewed articles and continues to have an active research and publication portfolio. Her current research interests include extended pleural decortication for mesothelioma, lung volume reduction surgery and cardiac denervation techniques.

She is involved in education and surgical training and teaches both UCD and RCSI medical students. She is actively involved in surgical training through both the SCTS (Society of Cardiothoracic Surgery, UK and Ireland) and EACTS (European Society of Cardiothoracic Surgeons). As well as being involved with the setting of board examinations for cardiothoracic surgery, she teaches minimally invasive lobectomy in Berlin for EACTS, and is course director of the ST4 thoracic surgery course in the UK.



**Ms Elaine Teh** is a consultant thoracic surgeon with a general thoracic practice, which ranges from minimally invasive surgery including robotic surgery to maximally open surgery. She completed her thoracic training in Oxford and the Southwest deanery. She is financially very resourceful and have funded most of her education and training through scholarships and fellowships such as the Malaysian Public Service Commission scholarship, British Heart Foundation on Clinical Research Training fellowship, NICE scholarship and SCTS-Ionescu Trainee Travelling fellowship. She embraces and engages with surgical innovation and technologies, and through clinical governance and QI, implements these in her practice safely. Patients are her first priority, and she does everything in her capability to ensure they receive the best care, including special family

visitation arrangement. In the same way, she supports her team both professionally and personally. She has now settled in north Leeds and spends most of her non-working time in the beautiful Yorkshire Dales and Lake District.

## Learning Objectives:

### **Challenges facing a new Consultant/ surgeon-specific mortality**

- Overview of the challenges facing a new consultant from a senior perspective.
- Balancing clinical and supporting professional activities.
- Mentoring
- The Expectations of a Head of service/ Medical Director
- Consultant Outcome publication

### **Clinical decision making – dealing with high risk patients,**

- Overview of the critical decision making in elective setting
- Challenges in managing emergency practice.
- Multidisciplinary interaction and hybrid therapies

### **Developing a consultant career**

- Overview of the challenges facing a new consultant from a younger consultant perspective.
- Balancing clinical and supporting professional activities.
- Introducing new techniques
- Implementing change
- Avenues to progress in ones career.

### **Managing intra-operative complication**

- Overview of the principles in management of intraoperative complications.
- Options to manage major bleed in minimally invasive surgery
- Dealing with on table CPR.
- Tips to avoid major complications.

### **Principles of surgery for Complex thoracic Sepsis**

- Overview of the principles in management of intra thoracic sepsis.
- Options to manage descending mediastinal sepsis
- Tips in managing BPF.
- Tips in managing TB and Aspergilloma

### **Airway interventions/ Principles of Thoracic trauma**

- Overview of the principles in management of thoracic trauma.
- Overview of interventions in Airway palliation
- Principles of dilatation, stenting, cryotherapy and Laser ablation
- Fundamentals of PDT

### **Principles of Management Oesophageal Emergencies**

- Overview of the principles in management of Oesophageal emergencies.
- Interventions in Oesophageal Palliation
- Principles of foreign body retrieval
- Oesophageal Perforation
- Oesophageal diversion

### **Multi Speciality Operating & Decision making in Thoracic Surgery**

- Overview of the principles in critical decision making in thoracic surgery.
- Interdisciplinary thoracic surgery
- Collaborative surgery with other specialties
- Surgery of junctional areas

**Technology drylabs**

- Overview and utility of Navigational bronchoscopy
- Overview and utility of Energy devices
- Overview and utility of Endobronchial valves
- Overview and utility of LASERS

**Cadaveric wetlabs**

- Approaches to the superior sulcus
- Approaches to the carina
- Venacaval resection
- Tracheal and cricoid resection

**Live and simulated operating: a variety of open and thoracoscopic procedures including:**

- Principles of airway intervention.
- Intraoperative complications
- Sepsis
- Tracheal resection
- Chest wall surgery
- Trauma
- Oesophageal emergencies

## Day 1

<b>Wednesday 26<sup>th</sup> April 2023</b>		
08:00 – 08:30	Bus departs hotel	
08:30 – 09:00	Faculty briefing	
09:00 – 09:15	Welcome	
09:15-09:45	Professionalism, bullying & harassment	Deborah Harrington
09.45 - 10.00	Introduction to live animal operating	Jorn Bischof
10.00-10.15	Coffee	
10:15-10:45	Managing intraoperative complications	
10.45-11.15	Principles of surgery for Complex thoracic Sepsis /Oesophageal injury	
11.15-12.00	Airway interventions/ Principles of Thoracic trauma	
12:00 – 13:00	Lunch	
13:00 – 16:00	Wet lab stations (1:4 rotations 30 mins) <ul style="list-style-type: none"> <li>• Laser surgery</li> <li>• Endobronchial valves</li> <li>• Navigation bronchoscopy</li> <li>• Energy devices</li> </ul>	
16:00 – 18:30	<ul style="list-style-type: none"> <li>• Approaches to the superior sulcus</li> <li>• Approaches to the carina</li> </ul> Venacaval resection <ul style="list-style-type: none"> <li>•</li> </ul>	
18:30	Bus departs for hotel	
19:45 – 22:15	Course dinner (bus to depart hotel at 19:15)	

## Day 2

<b>Thursday 27<sup>th</sup> April 2023</b>		
07:00 – 07:30	Bus departs hotel	
07:30 – 08:00	Faculty briefing	Sridhar Rathinam
08:00 – 15:45	Live operating – VATS Dealing with complications. Sleeve Resection, Segmentectomy	All faculty
11:45 – 12:45	Lunch	
	Live operating – Open surgery  Double sleeve, Bronchial Disruption, Central Hilar Stab, Carinal resection, Oesophageal repair, Tracheal resection	All faculty
15:45 – 16:00	Multi Specialty Operating & Decision making in Thoracic Surgery Questions & Answers / Summary & close	All faculty
16:00 – 16:30	Bus transfer to airport	