



THE ROYAL  
COLLEGE OF  
SURGEONS  
OF EDINBURGH



# SCTS Harefield Core Thoracic Organ Transplantation Course

Thursday 23<sup>rd</sup> and Friday 24<sup>th</sup> May 2024

CPD points: 10 points with certificate

**Course director:** Espeed Khoshbin

**Course organiser:** Yi Wang

Course aimed at foundation doctors, core trainees, speciality trainees, transplant fellows, organ donor practitioners, transplant nurses, surgical care practitioners, theatre nurses, operating department practitioners, physiotherapist, and other AHPs.

Venue

**STaR Centre, Harefield Hospital  
Uxbridge, London UB9 6JH**

**Register in advance for this meeting:**

## Course Fee:

- Free for SCTS Members with the only requirement of a refundable £60 deposit
- £120 for Non SCTS members (become the SCTS member and get £120 refunded)
- To become an SCTS member, please use the link below.  
[Member's Area | SCTS](#)  
New SCTS members will receive a refund if application is completed before the course starts.
- Please note that non-attendees will not be refunded.

## Learning objectives:

- Understand the principles of transplantation
- Understand the process of recipient and donor selection
- Understand the assessment of organs for transplant
- The concept of DCD organ retrieval and transplantation
- Examine some of the ethical issues in heart and lung transplantation
- Learn practical aspects of organ procurement (DCD/DBD) and preservation (OCS)
- Learn the techniques of heart and lung transplantation
- Understand some of the current challenges we face in transplantation
- Gain an insight into research opportunities in transplantation
- Learn from world experts

Day 1

08:30	Registration	
08:50	<b>Introduction</b>	<b>Espeed Khoshbin</b>
09:00	<b>The history of heart transplantation</b>	<b>Andy Morley-Smith</b>
09:20	<b>The history of lung transplantation</b>	<b>Kavita Dave</b>
09:40	<b>Recipient selection and outcome of heart transplantation</b>	<b>Espeed Khoshbin</b>
10:00	<b>Lung assessment and listing for transplantation</b>	<b>Bart Zych</b>
10:20	<b>Coffee Break</b>	
10:30	<b>Impact of DCD heart donation on transplantation</b>	<b>Simon Messer</b>
11:00	<b>Ethical issues with DCD donation</b>	<b>Dale Gardner</b>
11:30	<b>Advances in heart and lung organ preservation through OCS (TransMedics)</b>	<b>Alex Cnockaert / Waleed Hassanein</b>
12:00	<b>Lunch Break</b>	
13:00	<b>Donor Audit / National audit proforma</b>	<b>Hannah Griffin / Espeed Khoshbin</b>
13:20	<b>Recipient pool expansion</b>	<b>Owais Dar</b>
13:40	<b>Transplant Immunology</b>	<b>Paul Brookes</b>
14:00	<b>Transplant pharmacy</b>	<b>Haifa Lyster</b>
14:20	<b>Microbiology of transplantation</b>	<b>Sara Murthy</b>
14:40	<b>Coffee Break</b>	
15:00	<b>Current challenges in lung utilisation</b>	<b>Vicky Gerovasili</b>
15:20	<b>EVLP systems and indications</b>	<b>Mohammed Osman</b>
15:40	<b>Concept of 10<sup>0</sup> fridge</b>	<b>Maria Montiagudo-Vala</b>
16:00	<b>Research opportunities in lung transplantation</b>	<b>Anna Reed</b>
16:20	<b>The Magdi Yacoub Research Institute</b>	<b>Chris Bowles</b>
16:40	<b>A lifetime in transplant research</b>	<b>Magdi Yacoub</b>
17:30	<b>Closing remarks</b>	<b>Espeed Khoshbin</b>

Day 2

09:00	<b>Thoracic organ assessment</b>	<b>Diana Garcia</b>
09:20	<b>Trans-oesophageal echo for retrieval surgeons</b>	<b>Aigul Baltabaeva</b>
09:40	<b>Thoracic ultrasound is it useful for retrieval</b>	<b>Hatem Soliman Aboumarie</b>
10:00	<b>Coffee Break</b>	
10:20	<b>Standard heart and lung retrieval</b>	<b>Ashok Padukone</b>
10:40	<b>DCD heart and lung retrieval</b>	<b>Bart Zych</b>
11:00	<b>DCD heart retrieval with abdominal NRP</b>	<b>Mubashir Husain / Anand Jothidasan</b>
11:20	<b>Anaesthetic considerations</b>	<b>Nandor Marczin</b>
11:40	<b>Technique of heart transplantation</b>	<b>Espeed Khoshbin</b>
12:00	<b>Techniques of lung transplantation</b>	<b>Steve Clark</b>
12:20	<b>Techniques of heart-lung transplantation</b>	<b>Asghar Khaghani</b>
13:00	<b>Lunch Break</b>	
14:00	<b>lab A: DCD heart training.</b>	<b>Bart / Ashok / Anand / Mubashir (Pig heart)/ Olaf (logistic aspects of DCD retrieval)</b>
14:00	<b>lab B: Instrumentation preparation</b>	<b>Yi Wang / Bhuvana/ Theatre team / Sanjay /Khan</b>
14:00	<b>lab C: Percutaneous ECMO cannulation, eCPR bridge to transplant</b>	<b>Nick / Alex / Sofia / Wakas</b>
14:00	<b>lab D: Research brain storming session</b>	<b>Nonni/Nandi/Louit/</b>
14:00	<b>Lab E: Right heart catheterisation and result interpretation</b>	<b>Fernando Riesgo Gil</b>
14:00	<b>Lab F: Transplant wet lab! /AI lab</b>	<b>Yousuf/Vinci</b>
16:00	<b>Coffee Break</b>	
16:10	<b>Challenges in ITU management of transplant patients</b>	<b>Ian McGovern</b>
16:40	<b>Managing anastomotic complications after lung transplant</b>	<b>Nizar Asadi</b>
17:00	<b>Closing remarks and feedback forms</b>	<b>Espeed Khoshbin</b>