



Harefield Mechanical Circulatory Support Course

10th and 11th September 2026

CPD points: 10 points with certificate

Course Director: Espeed Khoshbin (Co-Chair)

Course Co Directors: Chris Bowles / Yi Wang (Sophia)

Course Illustrations: Denny Jose / Sidhu Yadati

**The course will be Chaired by Professor Sir Magdi Yacoub and
Professor Asghar Khaghani**

Course aimed at junior doctors, surgical trainees, transplant fellows, VAD specialist nurses, theatre nurses, ITU nurses, perfusionists, operating department practitioners, physiotherapist, and other AHPs.

Venue

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

Course Fee:

- Free for SCTS Members. To secure your place, you will be requested to pay a deposit through the SCTS website.
- £150 for Non SCTS members.
- To become an SCTS member, please use the following link: [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.
- International non-members are welcome to join SCTS at a reduced rate to access all the courses free of cost.

Learning objectives:

- Understand the principles of short and medium term and durable mechanical circulatory support
- Understand the process of patient selection and the choice of mechanical circulatory support
- Understand the evidence for use of durable mechanical circulatory support
- The concept of bridging to transplant vs. destination therapy
- Examine the ethical issues associated with the use of a durable device
- Learn practical aspects of mechanical circulatory support management
- Learn the techniques of mechanical circulatory support insertion vs. implantation
- Understand the current challenges with the use of mechanical circulatory support
- Gain an insight into research opportunities in mechanical circulatory support
- Learn from world experts

08:30	Registration and coffee	
08:50	Introduction	Espeed Khoshbin
09:00	Modus Operandi of mechanical circulatory support	Chris Bowles
09:30	INTERMAX Classification and Registry	Jayan Parameshwar
10:00	Management of Cardiogenic shock and resuscitation on MCS	Waqas Akhtar
10:30	Coffee Break	STaR Centre
11:00	Emergency use of ECMO (eCPR)	Alex Rosenberg
11:30	Mobile ECMO	Clara Hernandez Caballero
12:00	Trials of MCS	Owais Dar
12:30	Lunch Break	STaR Centre
13:00	Indications for short term MCS	Maria Monteagudo-Vela
13:30	Surgical aspects of short term MCS	Mohamed Osman
14:00	Role of MCS in lung transplantation	Aravinda Page
14:30	Indications for long term MCS	Andy Morley Smith
15:00	Coffee Break	STaR Centre
16:00	Advances in durable LVAD support	Marco Scaramuzzi
16:30	Infection control / prevention for MCS	Sara Murthy
17:00	Post MCS wound management	Mubashir Husain
17:30	Durable TAH technology	(invited international Speaker TBC)
16:00	Closing remarks	Espeed Khoshbin

Faculty dinner at 18:00

08:30	Role of echocardiography post MCS	Saarka Moravcova
09:00	Pre and peri LVAD assessment of RV failure	Shruti Rajendra
09:30	Haematology of MCS	Christophe Vanderbriele
10:00	Coffee Break	STaR Centre
10:30	Nursing aspects of durable LVAD	LVAD Nurses
11:00	Technical aspects of LVAD implantation	Stephan Schueler
11:30	Pretransplant LVAD Explantation	Espeed Khoshbin
12:00	Anaesthetic consideration: Transition from CPB to LVAD	Nandor Marczin
12:30	Post operative management of durable LVAD	Francesca Fiorelli
13:00	Future of mechanical circulatory support	Emma Braithwaite (Abbott)
13:30	Lunch Break	STaR Centre
14:00	Wet lab- e CPR demonstration	Alex Rosenberg / Clara Hernandez Caballero/ Sofia de Casta Pinto
14:00	Wet lab- Durable LVAD	Espeed Khoshbin/Mohamed Osman/ Abbott (Demo)
14:00	Wet lab- Medium term MCS (BIVAD)	Chris Bowles/ Aravinda Page
14:00	Dry lab- Impella CP and 5.5	Vas Panoulas / Maria Monteagudo-Vela / Diana Garcia
14:00	Interactive session- Shock MDT	Owais Dar / Waqas Akhtar/ Andy Morley Smith/ Akhil Sonachi
15:30	Coffee	STaR Centre
16:00	Challenges in ITU management of Mechanical Circulatory Support	Sofia da Costa Pinto
16:30	Biologic versus mechanical solution for end stage heart failure	Magdi Yacoub (Keynote Speaker)
17:30	Closing remarks and feedback forms	Espeed Khoshbin