MECHANICAL CIRCULATORY SUPPORT
Master-class 2024

TORINO-ITALY
June 7th - 8th, 2024

CONGRESS VENUE: University of Turin - Department of Surgical Sciences, Dental School academic laboratory

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Course Overview

Mechanical Circulatory Support devices are currently playing an important role in the treatment of refractory advanced heart failure. Technology and surgical strategies are rapidly evolving and improving. However, knowledge transfer and methods to surmount the learning curve remain crucial to improve patients’ outcomes. During the EACTS MCS master-class course which figures as an essential part of and a practical learning/application of the knowledge gained during the annual EACTS MCS academy summit, clinicians who want to acquire more skills in this delicate area will learn key aspects and vital skills of MCS surgical procedures from an internationally recognised group of experts.

This course provides cardiothoracic surgeons in training or anyone wishing to enhance their experience with didactic teaching, hands on wet- and dry-lab operative experience and practical demonstrations in the surgical techniques and skills needed for successful use of short-term and durable mechanical circulatory support systems.

Delegates will have the opportunity to undertake LVADs, BVADs, TAH and ECMO implantation in simulators under the guidance of a faculty of experienced surgeons, anesthesiologists and intensive care specialists. Candidates will gain practical experience in cannulation for ECMO and microaxial pumps, running these devices, troubleshooting after implantation and in focused echocardiography. All technologies and devices will be also demonstrated in small groups during teaching sessions. This is an intensive two-day course of lectures, debate and practical hands-on surgical practice and opportunity.
Target Audience

Skills Level 2 - Residents in the final years of training and surgeons at the beginning of independent practice.

Open eventually for:
Cardiothoracic surgeons, Cardiac anesthesiologists, Cardiologists, Perfusionists, VAD coordinators, Residents and Fellows.

Learning Objectives

• Understanding of selection of patients for durable left, right and biventricular assist device/TAH implantation, technical aspects of the surgery and clinical outcomes.

• Understanding the application of tMCS and hands on practice of implantation of devices such as ECMO and mAFP facing with several types of cannulation and insertion.

• Understanding the role of durable mechanical assist devices and practice of implantation of devices in the wet- and dry-lab.

• Practicing the technique of VADs and ECMO surgery in mannequins and animal hearts.

• Practicing (simulation) and understanding the usage and application of TEE/TTE for imaging and assessment of pts on both temporary and durable MCS.

• Meet experts in the field and discuss important issues in your own development of a MCS program.
COURSE INFORMATION:

Date/Duration
June 7th - June 8th, 2024 (2 day course; h. 8.00 - 17.00)

Location
University of Turin, Department of Surgical Sciences, Dental School academic laboratory
Via Nizza 130, Turin - Italy

Course Directors and Organising Committee
A. Loforte (Turin), E. Potapov (Berlin), G. Faerber (Jena), M. Boffini (Turin), M. Rinaldi (Turin)

Course Format
In-person meeting.
Interactive Workshops including presentations and videos.
Interactive device and technology demonstrations employing simulators.
Hands-on wet- and dry-lab operative sessions.
TE echo monitoring and assessment simulations.

Course Fee
EACTS Member: € 550.00
EACTS Non-Member: € 650.00
Residents: € 350.00
Fee includes lunch, refreshments and conference dinner.

Kindly note due to the nature of this course, registration may be limited to 60 delegates.
The course is also endorsed by ISMCS (ISRBP) and SICCH.

Contact details:
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