



## **APELSO ADULT ECMO TRAINING COURSE 2015**

**Jointly organized by ELSO, Asia-Pacific ELSO and Queen Mary Hospital**

**Hong Kong**

### **Course Highlights**

This intense Adult ECMO Training Course is designed for physicians, perfusionists and nurses caring for adult patients with severe acute respiratory and / or circulatory failure who require Extracorporeal Life Support in the form of veno-venous or veno-arterial ECMO.

This course covers all aspects of ECMO management including decision making for patients on ECMO, crisis management, ECMO economics and service development. Complementing the didactic lectures are interactive sessions and simulation classes to facilitate participants to immerse in ECMO technology and to discuss ECMO-specific issues with international experts. Simulation classes are arranged in small groups to allow participants to develop skills in key assessment, common bedside procedures and handling of ECMO-related emergencies with an instructor to learner ratio of 1:2.

The course is appropriate both for centres setting up new ECMO programmes and for existing centres expanding their services.

### **Course Details**

- Training Date: 23 – 26 September 2015
- Course Duration: Total 4 days including a cannulation and transportation workshop
- Training Venue: Innovative Learning Centre for Medicine, The Hong Kong Academy of Medicine
- Course Capacity: Maximum 40 participants
- Registration Fee:
  - 3-day Course fee: HKD\$18,000 (USD\$2,300)
  - 1-day Cannulation and transportation workshop fee: HKD\$2000 (USD\$260)

## **List of International Speakers**

Antonio Pesenti (Italy)  
Graeme MacLaren (Singapore)  
Yih Sharng Chen (Taiwan)  
Kiran Shekar (Australia)  
Sheldrake Jayne (Australia)  
Mark Ogino (USA)  
Mike McMullan (USA)

## **Enquiries**

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## **Tentative programme**

*Day 1: 23 September 2015 (Wednesday)*

Puzzle session  
Components  
History of ECMO & ELSO / ELSO-AP  
Update in conventional management of ARDS  
ECMO physiology (VA and VV)  
Indications of VV ECMO  
Introduction to simulation  
Simulation #1  
Simulation #2

*Day 2: 24 September 2015 (Thursday)*

Cannulation & initiation (VA-ECMO and VV-ECMO)  
Patient and circuit management  
Anticoagulation  
ECLS pharmacology / sedation  
Extracorporeal CO<sub>2</sub> removal (ECCO<sub>2</sub>R)  
Simulation #3  
Simulation #4  
Simulation #5  
Simulation #6

*Day 3: 25 September 2015 (Friday)*

VA ECMO (central + peripheral)  
VA ECMO as a bridge to cardiac transplant  
Weaning & decannulation (VA and VV)  
ECMO economics  
ECPR  
ECMO outcomes  
Simulation training – how to make your own circuit  
Simulation #7  
Simulation #8  
Simulation #9  
Simulation #10

*Day 4: 26 September 2015 (Saturday)*

ECMO transport  
Long-distance ECMO transport  
Percutaneous cannulation with ultrasonography  
Vascular assessment with ultrasonography (workshop)  
Simulation #11: Cannulation  
Simulation #12: Transportation of ECMO patient (intra-hospital/ ambulance)