

9th Clinical Seminar: Fundamental Principles of Extracorporeal Membrane Oxygenation (ECMO) Application

22-23 May 2026

Onassis Hospital

Friday, 22/05/25

08:15-08:45 Registrations

08:45-09:00 Welcome addresses

Stavros Dimopoulos, Joseph Paparaskevas

Opening address

Professor I. Boletis, President Board of Directors, Onassis Hospital

Moderators: Stavros Dimopoulos, Stamatis Adamopoulos

09:00-09:45 *Historical Overview and Basic Operating Principles of ECMO*

Stavros Dimopoulos

09:45-10:30 *Cardiogenic Shock & Ecmo-Clinical case*

Antigone Koliopoulou

10:30-10:45 Break

Moderators: Stavros Dimopoulos, Themistocles Chamogeorgakis

10:45-11:15 *Short-term mechanical circulatory support. Recent data*

Angeliki Gkouziouta

11:15-11:45 *Respiratory Failure and ECMO-Clinical Case*

Stavros Dimopoulos

11:45-12:15 Coffee Break

Moderators: Stavros Dimopoulos, Theofani Antoniou

12:15-12:45 *Ultrasound imaging and VA-ECMO monitoring*

Michael Bonios

12:45-13:15 *ICU care for ECMO patients*

Stavros Dimopoulos

13:15-14:00 Coffee Break

14:00-17:00 Hands-on Moderators

Stavros Dimopoulos, Antigone Koliopoulou

Three working stations, three groups of 10 participants

1. Hemodynamic Monitoring – “Troubleshooting”
Stavros Dimopoulos, Dimitrios Elaiopoulos, Nektarios Kogerakis
2. Complications including pump failure and air embolism
Konstantinos Ieromonachos, Kalliopi Manousi
3. “Priming”-Change of circuit
Antigone Koliopoulou, Danai Barouta, Panagiotis Kossyvas

Saturday, 23/05/26

Moderators: Stavros Dimopoulos, Ioannis Iakovou

09:00-09:30 *Implementation of ECMO in out-of-hospital cardiac arrest*

Stavros Dimopoulos

09:30-09:45 Check lists for a safe transfer of patients on ECMO

09:45-10:00 *Transfer of a critically ill patient on ECMO*

Vassiliki Vartela

10:00-10:15 Break

Προεδρείο: Stavros Dimopoulos, Dimitra Doubou

10:15-10:45 *ECMO complications and their treatment*

Stavros Dimopoulos

10:45-11:15 *Application of ECMO in pediatric cardiac surgery*

Meletis Kanakis

11:15-11:45 Coffee break

Προεδρείο: Stavros Dimopoulos, Chryssa Panagiotou

11:45-12:00 *Special considerations in nursing care for ECMO patients in the Adult Cardiac Surgery Unit*

Chara Kinti

12:00-12:15 *Managing the pediatric patient on ECMO*

Pigi Michali

12:15-12:45 *The role of the perfusionist in ECMO management*

Dimitrios Poulis

12:45-13:15 *Organization of ECMO Centers-Mobile ECMO Unit*

Stavros Dimopoulos

13:15-13:45 *Organization of an ECMO Program for the Management of Out-of-Hospital Cardiac Arrest*

Demetris Yannopoulos

13:-14:30 Lunch

14:30-17:30 Hands-on Moderators: Stavros Dimopoulos, Antigone Koliopoulou

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ORGANIZING COMMITTEE

Chairman: Stavros Dimopoulos, Internist-Intensivist, Coordinator Director, Department of Anaesthesiology and Intensive Care, Onassis Hospital

Theofani Antoniou, Chair of Education, Onassis Hospital

Alexandra Briassouli, Citizen Relations Officer, Onassis Hospital

Chryssa Panagiotou, Director of Nursing Services, Onassis Hospital

SCIENTIFIC COMMITTEE

Chairman: Stavros Dimopoulos, Internist-Intensivist, Coordinator Director, Department of Anaesthesiology and Intensive Care, Onassis Hospital

Michalis Bonios, Cardiologist, Deputy Director, Cardiac Failure Department, Onassis Hospital

Dimitra Doubou, Head Nurse, Intensive Care Department, Onassis Hospital

Antigone Koliopoulou, Consultant Cardiac Surgeon, 2nd Cardiac Surgery Department, Onassis Cardiac Surgery

Chryssa Panagiotou, Director of Nursing Services, Onassis Hospital

Dimitrios Poulis, Perfusionist, Onassis Hospital

SPEAKERS & SESSION CHAIRS

Stamatis Adamopoulos, Affiliated Physician, Cardiac Failure Department, Onassis Hospital

Theofani Antoniou, Chair of Education, Onassis Hospital

Themistocles Chamogeorgakis, Coordinator Director, Cardiac Surgery Department, Head of 2nd Cardiac Surgery Department and of Cardiac Surgery, Mechanical Circulatory Support & Heart-Lung Transplantation, Onassis Hospital

Dimitris Elaiopoulos, Consultant Cardiologist-Intensivist, Intensive Care Department, Onassis Hospital

Angeliki Gkouziouta, Cardiologist, Deputy Director, Cardiac Failure Department, Onassis Hospital

Ioannis Iakovou, Cardiologist, Director, Invasive Cardiology Department, Onassis Hospital

Meletis Kanakis, Cardiac Surgeon, Associate Director, Department of Pediatric and Adult Congenital Cardiac Surgery, Onassis Hospital

Chara Kinti, RN, Intensive Care Department, Onassis Hospital

Nektarios Kogerakis, Cardiac Surgeon, Deputy Director, 2nd Cardiac Surgery Department, Onassis Cardiac Surgery

Antigone Koliopoulou, Consultant Cardiac Surgeon, 2nd Cardiac Surgery Department, Onassis Cardiac Surgery

Panagiotis Kossyvas, RN, Intensive Care Department, Onassis Hospital

Pigi Michali, RN, MSc, Clinical Educator PCICU, ERC Course Director, Children and Adult Congenital Intensive Care Department, Onassis Hospital

Chryssa Panagiotou, Director of Nursing Services, Onassis Hospital

Theodoros Pitsolis, Consultant Internist-Intensivist, ICU Department, Onassis Hospital

Dimitrios Poulis, Perfusionist, Onassis Hospital

Vassiliki Vartela, Consultant Cardiologist, Cardiology ICU, Onassis Hospital

Demetris Yannopoulos, Professor of Medicine and Emergency Medicine, Medical Director, Center for Resuscitation Medicine, MN Mobile Resuscitation Consortium, University of Minnesota Medical School

Venue

Onassis Hospital, “Stelios Papadimitriou” Room
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