

MICS ACADEMY

1st ECMO COURSE

Theoretical-Practical Course of Extracorporeal Cardiorespiratory Support

PRESIDENT

Giuseppe **SPEZIALE**

COURSE DIRECTORS

Giuseppe **BOZZETTI**

Flavio **IORE**

Salvatore **GRASSO**

Ernesto **GRECO**

Cataldo **LABRIOLA**

Marcello **MELONE**

Domenico **PAPARELLA**

October 17-18, 2025

Masseria Mancini
Conference Area

POLIGNANO A MARE - BA

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WELCOME ADDRESS

MICS ACADEMY 1st ECMO COURSE

Dear Colleagues,

I am proud to welcome you to the first ECMO Course organized by the MICS Academy.

The decision to create a dedicated educational program on extracorporeal membrane oxygenation stems from the awareness that ECMO today represents one of the most complex and decisive frontiers in intensive care and cardiac surgery.

It is a life-saving technology that demands not only technical expertise and rapid execution, but also multidisciplinary coordination and rigorous training.

ECMO indications are rapidly evolving, and its safe and effective application requires a shared clinical language and vision among anesthesiologists, cardiac surgeons, cardiologists, and intensivists.

The aim of this course is to provide scientific and technical updates, as well as practical tools, standardized protocols, and opportunities for interdisciplinary discussion.

Through real clinical scenarios, interactive debates, and hands-on sessions, this program seeks to foster collaborative learning among professionals with complementary expertise.

We believe that excellence in the management of critical cases depends not only on individual skill, but also on the cohesion, preparedness, and clinical synergy of the entire team.

Thank you for your participation and for the knowledge and experience you bring to this initiative.

Welcome to the MICS Academy. I wish you a productive and engaging course.

Giuseppe Speciale


FRIDAY

OCTOBER 17, 2025

- 08:30** Registration
- 08:45** Welcome and Introduction
Ernesto Greco, Giuseppe Speciale

SESSION I

Chairs: **Marcello Melone, Cristian Mirabile, Antongilio Valenzano**

- 09:00** Cardiogenic shock: new classification and importance of early diagnosis
Flavio Fiore
- 09:30** Role of echocardiography in cardiogenic shock
Corrado Fiore
- 10:00** Hemodynamic monitoring in V/A ECMO: what are we measuring?
Giuseppe Bozzetti
- 10:30** Peripheral or central V/A ECMO: components, indications, pros and cons of each technique
Domenico Paparella
- 11:00** **Coffee Break**

SESSION II

Chairs: **Ilir Dhojiniku, Flavio Fiore, Domenico Paparella**

- 11:15** Coagulation and bleeding management in ECMO
Angelo Vavassori
- 11:45** Left ventricle unloading during V/A ECMO: who, when, and how
Cristian Mirabile
- 12:15** Weaning criteria from V/A ECMO
Sergio Cattaneo
- 12:45** Discussion
- 13:15** **Light Lunch**

SESSION III

Chairs: **Giuseppe Bozzetti, Sergio Cattaneo**

- 14:00** ECMO and right heart failure
Lorenzo Mantovani
- 14:20** Management of complications in V/A ECMO
Josè Zulueta
- 14:40** The role of V/A ECMO in donation after circulatory death (DCD)
Elisa Cerchierini

FRIDAY OCTOBER 17, 2025

15:00-17:00 THEORETICAL- PRACTICAL WORKSHOPS

Welcome and Presentation
Carlo Alberto Tassi

15:00-16:00 GROUP A

15:00-15:30 Troubleshooting in ECMO
Marcello Melone,
Antongiulio Valenzano

15:30-15:45 Early clinical experience
with MIDCAB
Vito Margari

15:45-16:00 Discussion
ALL

15:00-16:00 GROUP B

15:00-16:00 Simulation: A-V femoral
cannulation: tip&trick
Giuseppe Santarpino,
Alessandro Fiorentino

16:00-17:00 GROUP A

16:00-17:00 Simulation: A-V femoral
cannulation: tip&trick
Giuseppe Santarpino,
Alessandro Fiorentino

16:00-17:00 GROUP B

16:00-16:30 Troubleshooting in ECMO
Marcello Melone,
Antongiulio Valenzano

16:30-16:45 Early clinical experience
with MIDCAB
Vito Margari

16:45-17:00 Discussion
ALL

SATURDAY OCTOBER 18, 2025

SESSION I

Chairs: Vanni Agnoletti, Gilda Cinnella,
Antonio Rago

09:00 **LECTIO MAGISTRALIS**
Physiology and
pathophysiology of acute
respiratory failure
Gilda Cinnella

09:30 ARDS and V/V ECMO
Salvatore Grasso

10:00 Monitoring and
management during V/V
ECMO
Cataldo Labriola

SESSION II

Chairs: Andrea Cuccio, Salvatore Grasso,
Cataldo Labriola

10:30 SIRS in ECMO
Enrico Squicciarro

11:00 **Coffee Break**

11:30 Weaning from V/V ECMO
Giacomo Dimita

11:45 Discussion

13:00 Closing remarks and take
home message

FACULTY

Vanni **AGNOLETTI**, *Forlì-Cesena*

Ettore **AUGUGLIARO**, *Palermo*

Giuseppe **BOZZETTI**, *Glasgow - UK*

Sergio **CATTANEO**, *Brescia*

Elisa **CERCHIERINI**, *Bologna*

Gilda **CINNELLA**, *Foggia*

Andrea **CUCCIO**, *Torino*

Ilir **DHOJINIKU**, *Bari*

Giacomo **DIMITA**, *Roma*

Flavio **FIORE**, *Bari*

Corrado **FIORE**, *Lecce*

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Antongiulio **VALENZANO**, *Bari*

Angelo **VAVASSORI**, *Rapallo (GE)*

Josè **ZULUETA**, *Bologna*

INFORMATION

VENUE

MASSERIA MANCINI

Conference Area

Contrada Torre Catena 872

Polignano a Mare - BA

REGISTRATION

The registration is free.

For registration please visit <https://mics.mitralacademy.it/it-IT/Corsi>

CME PROVIDER

GVM Campus srl (ID 6028)

CME ACCREDITATION

The event has been assigned n. 11 Italian CME Credits for Physicians (Anaesthesia and Resuscitation, Cardiology, Cardiac Surgery, Internal Medicine, General Surgery, Hygiene, Epidemiology and Public Health) and Cardiovascular Physiopathology and Cardiovascular Perfusion Technicians.

Training objective: Technical-professional contents (knowledge and expertise) specific for each profession, specialisation and ultra-speciality activity.

ORGANIZING SECRETARIAT

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