

# MICS ACADEMY

## 1<sup>st</sup> 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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**MICS**  
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PROGRAM

**MICS ACADEMY**

# WELCOME ADDRESS

## MICS ACADEMY 1<sup>st</sup> 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 Speziale**

### SESSION I

*Chairs: Marcello Melone, Cristian Mirabile, Antongio 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
- 13:00** **Light Lunch**

### SESSION III

*Chairs: Giuseppe Bozzetti, Sergio Cattaneo*

- 13:40** ECMO and right heart failure  
**Lorenzo Mantovani**
- 14:00** Management of complications in V/A ECMO  
**Josè Zulueta**
- 14:20** The role of V/A ECMO in donation after circulatory death (DCD)  
**Elisa Cerchierini**
- 14:40** Percutaneous Vascular Access management in ECMO procedures: challenges and best practices  
**Vito Margari**

## 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:* 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

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**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*

**Alessandro FIORENTINO**, *Lecce*

**Salvatore GRASSO**, *Bari*

**Ernesto GRECO**, *Roma*

**Cataldo LABRIOLA**, *Mercogliano (AV)*

**Lorenzo MANTOVANI**, *Cotignola (RA)*

**Vito MARGARI**, *Bari*

**Marcello MELONE**, *Lecce*

**Cristian MIRABILE**, *Paris - FR*

**Domenico PAPARELLA**, *Foggia*

**Antonio RAGO**, *Reggio Emilia*

**Giuseppe SANTARPINO**, *Lecce*

**Giuseppe SPEZIALE**, *Bari*

**Enrico SQUICCIMARRO**, *Foggia*

**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

ADB Eventi&Congressi

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