



Fondazione IRCCS
Policlinico San Matteo



UNIVERSITÀ
DI PAVIA

Sistema Socio Sanitario



Regione
Lombardia

CHALLENGES IN ECMO ADVANCED COURSE



8th 9th 10th June 2022

**Fondazione IRCCS Policlinico San Matteo, Pavia
&
WEBINAR**

Scientific Director: Mirko Belliato

INTRODUCTION

The "Challenges in ECMO-Advanced Course" is intended for Health Care Professionals operating in centers with an existing ECMO program and willing to expand their therapy knowledge.

The goal is to improve the management of ECMO Patient in different clinical scenarios and expand individual and team skills, focusing on relevant topics, such as:

- ECMO cannulation,
- Interaction with ECMO device,
- Advanced monitoring and interpretation of different devices.

Faculty

Marta Velia Antonini

Cardio Circulatory Perfusionist,

Department of Biomedical Metabolic and Neural Sciences, Univeristy of Modena & Reggio Emilia, Italy

Mirko Belliato

*Medical Doctor, Intensivist, Director (acting), U.O.C. AR 2 – Anestesia e Terapia Intensiva Cardiotoracica
Foundation IRCCS Policlinico San Matteo, Pavia, Italy*

Carola Bollato

*Nurse, U.O.C. AR 2 - Anestesia e Terapia Intensiva Cardiotoracica,
Foundation IRCCS Policlinico San Matteo, Pavia, Italy*

Lars Mikael Broman

MD, PhD, Ass. Prof., Senior Consultant Intensivist

ECMO Centre Karolinska, Peditriac Intensive Care and Transport, Peditric Perioperative Medicine and Intensive Care, Astrid Lindgren Children's Hospital Karolinska University Hospital Stockholm, Sweden

Antonella Degani

Cardio Circulatory Perfusionist, team Coordinator

U.O.C Cardiochirurgia, Foundation IRCCS Policlinico San Matteo, Pavia, Italy

Elisa Milanese

*Medical Doctor, Senior Consultant, U.O.C. AR 2 - Anestesia e Terapia Intensiva Cardiotoracica
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Stefano Pelenghi

Medical Doctor, Cardio-surgeon, Director

U.O.C. Cardiochirurgia, Foundation IRCCS Policlinico San Matteo, Pavia, Italy

Carlo Pellegrini

*Medical Doctor, PhD, Ass. Prof., U.O.C. Cardiochirurgia, Foundation IRCCS Policlinico San Matteo, Pavia, Italy;
Department of Clinical, Surgical, Diagnostic and Paediatric Scienses, University of Pavia, Italy*

Simone Sartorio

*Nurse, U.O.C. AR 2 - Anestesia e Terapia Intensiva Cardiotoracica,
Foundation IRCCS Policlinico San Matteo, Pavia, Italy*

Roberto Veronesi

*Medical Doctor, Senior Consultant, U.O.C. AR 2 – Anestesia e Terapia Intensiva Cardiotoracica
Foundation IRCCS Policlinico San Matteo, Pavia, Italy*

WETLAB SIMULATION TEAM

Michele Conti

Associate Professor Industrial Bioengineering Department of Civil Engineering and Architecture Structural Mechanics Division, University of Pavia, Italy

Francesca Dedola, Erika Negrello

3D4MED, Foundation IRCCS Policlinico San Matteo, Pavia, Italy

PROGRAM

14.00 Registration

14.20 **Welcome**

1ST DAY

VV ECMO

14.30 **Cannulation for VV-ECMO** - *C. Pellegrini*

15.00 **Advanced Monitoring during Respiratory ECMO** - *M. Belliato*

15.30 **Discussion** - *ALL*

15.45 Coffee Break

VA ECMO

16.00 **Cannulation for VA-ECMO** - *C. Pellegrini*

16.30 **LV unloading** - *S. Pelenghi*

17.00 **VA-ECMO in Patients with cardiogenic shock** - *R. Veronesi*

17.30 **Discussion** - *ALL*

2ND DAY

9.00 - 11.00 All the participants in presence will be divided into 3 groups, each group will attend to all hands-on sessions of 30 minutes. The cannulation's scenario will not be available for via web participants.

PRE-CLINICAL ECMO SCENARIO: PERFUSIONIST - *A. Degani*

Hands-on with priming procedure

Debriefing

ECMO CLINICAL SCENARIO (VA & VV): PHYSICIAN - *R. Veronesi, S. Pelenghi*

Clinical cases discussion

Debriefing

ECMO CANNULATION SCENARIO: SURGEON - *C. Pellegrini*

with the "WETLAB SIMULATION TEAM"

Hands-on in a dedicated simulator

Debriefing

11.00 Break

THE PERFUSIONIST & NURSE POINTS OF VIEW

11.15 **Technical Aspect of Weaning from VA and VV ECMO** - *A. Degani*

12.45 **Circuit Failure and Problem Solving** - *M.V. Antonini*

12.15 **Daily Patient and Circuit management on ECMO** - *S. Sartorio*

12.45 **Discussion**- *ALL*

13.00 Lunch

14.00 - 15.30 All the participants in presence will be divided into 3 groups, each group will attend to all hands-on sessions of 30 minutes. The cannulation's scenario will not be available for via web participants.

ECMO CLINICAL SCENARIO: NURSE - *S. Sartorio, C. Bollato*

Clinical cases discussion

Debriefing

ECMO CLINICAL SCENARIO: PERFUSIONIST - *A. Degani, V. Antonini*

Hands on trouble shooting

Debriefing

ECMO CLINICAL SCENARIO: THE COVID PATIENT - *L.M. Broman, M. Belliato*

Clinical cases discussion

Debriefing

15.30 Break

16.30 **Coagulation Management on ECMO** - *M. Belliato*

17.30 **Clinical Emergencies and Complications during ECMO** - *R. Veronesi*

18.00 **ECMO transport** - *L.M. Broman*

19.00 Dinner

3rd DAY - LESSONS AND DISCUSSIONS

08.30 **Clinical indications of an Hybrid ECMO** - *M. Belliato*

09.00 **How to do an Hybrid ECMO?** - *C. Pellegrini*

09.30 **ECMO and Septic Shock – The KI's Experience** - *L.M. Broman*

10.00 **Discussion** - *ALL*

10.30 Coffee Break

11.00 **How to keep updated?: ECMO journals, social media&Co** - *M.V. Antonini*

11.30 **When ECMO turns into futility** - *E. Milanesi*

12.00 **Wrap-up and conclusion** - *ALL*

12.15 **ECM test**



GENERAL INFORMATION

DATE AND CONGRESS VENUE

Wednesday 8th – Thursday 9th – Friday 10th June 2022

Classroom n. 1-2, floor +1, Corpo A, Padiglione DEA - Fondazione IRCCS Policlinico San Matteo
Strada Privata Campeggi, Pavia

REGISTRATION

Starting from December 30, 2021 (Decree-law n.229), access to congress activities must be accompanied by the exhibition of the SUPER GREEN PASS certification.

The registration is free.

You can participate both online and offline.

Please fill in the form at the following URL **by on 3rd June, 2022.**

<https://forms.office.com/r/RBXa30D69z>

Or scan the QR CODE.

You will receive an e-mail confirming you registration, after Scientific Committee approval. OFFLINE Registration includes participation to the scientific sessions, coffee break, lunch, certificate of attendance, ECM certificate for Italian participants. ONLINE Registration includes participation to the scientific sessions, certificate of attendance, ECM certificate for Italian participants.



ECM ACCREDITATION FOR ITALIAN PARTICIPANTS

See Italian Section



INFORMAZIONI

DATA E SEDE

Mercoledì 8 - giovedì 9 - venerdì 10 giugno 2022

Aula Didattica n. 1-2, piano +1, Corpo A, Padiglione DEA

Fondazione IRCCS Policlinico San Matteo

Strada Privata Campeggi, Pavia

ISCRIZIONE

E' possibile partecipare all'evento in presenza (evento RES Residenziale) oppure da remoto (evento FAD Formazione a Distanza), nel form di iscrizione è necessario indicare la preferenza.

Si ricorda che, come da D.L. 30 dicembre 2021 n. 229, è obbligatorio il SUPER GREEN PASS per partecipare a corsi e convegni.

La partecipazione all'evento è su invito per gli esterni alla Fondazione IRCCS Policlinico San Matteo.

Sono riservati n. 10 posti in presenza per Medici e Infermieri e Tecnici Perfusionisti appartenenti alla Fondazione IRCCS Policlinico San Matteo di Pavia.

E' necessario iscriversi on line **entro il 3 giugno 2022.**

Di seguito riportiamo il link per iscriversi all'evento.

<https://forms.office.com/r/RBXa30D69z>

Oppure è possibile inquadrare il QR CODE (v. pagina precedente).

Sarà inviata una mail di conferma iscrizione, previa valutazione del comitato scientifico.

L'iscrizione RES dà diritto a: partecipazione ai lavori scientifici, coffee break, lunch, attestato di partecipazione, attestato ECM.

L'iscrizione FAD dà diritto a: partecipazione da remoto ai lavori scientifici, attestato di partecipazione, attestato ECM.

ACCREDITAMENTO E.C.M.

Provider: Pragma Congressi S.r.l. (ID 918)

Tel. 0382 309579 - info@pragmacongressi.it

Professioni accreditate: **Medico** - Discipline: Anestesia e Rianimazione, Angiologia, Cardiochirurgia, Cardiologia, Chirurgia generale, Chirurgia pediatrica, Chirurgia Toracica, Chirurgia Vascolare, Direzione medica di presidio ospedaliero, Malattie dell'apparato respiratorio, Malattie infettive, Medicina e Chirurgia di accettazione e di urgenza, Medicina interna, Pediatria (e relative discipline equipollenti)

Infermiere, Infermiere Pediatrico, Tecnico della fisiopatologia cardiocircolatoria e perfusione cardiovascolare.

EVENTO RES: partecipanti n. **40**

ID ECM: 354468; **N. CREDITI:** 12,9

EVENTO FAD: partecipanti n. **100**

ID ECM: 354491; **N. CREDITI:** 18

L'attestato ECM sarà inviato via mail, dopo il congresso, a coloro che, alla chiusura dei lavori, avranno restituito (RES) / inviato (FAD) debitamente compilati il questionario e la scheda di valutazione ECM.

THANKS TO:



EUROSETS

EVERY LIFE MATTERS

ORGANIZING SECRETARIAT

Fondazione IRCCS Policlinico San Matteo

U.O.S.D. Servizio Amministrativo Ricerca e Sviluppo

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