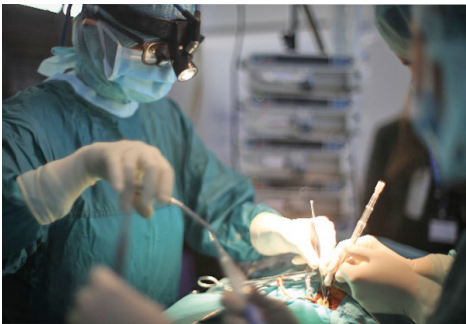
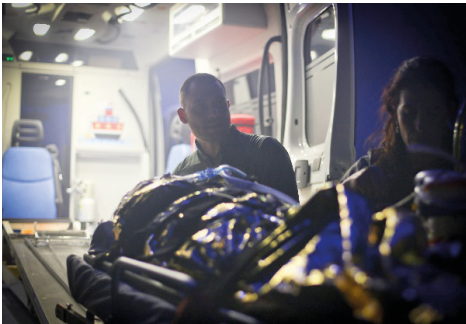


# EuroELSO NEONATAL AND PEDIATRIC ECMO COURSE

Military Medical and Veterinary School  
Cecchignola Military City



**12-13-14 October 2016**

Via Giorgio Pelosi, 41 - 00143 Rome, Italy



**Bambino Gesù**  
OSPEDALE PEDIATRICO

# Course Description

This EuroELSO accredited educational course will provide the candidate (anesthetists, paediatric intensivists, nurses, paediatric cardiologists, perfusionists, cardiac surgeons and general surgeons) the base knowledge relative to the critically ill neonate or child who requires extracorporeal life support and exposure to the observational & practical skills inherent in the continued operation and surveillance of the ECMO system.

This will be achieved by a combination of interactive lectures, by renowned experts in the field of paediatric ECMO, with the use of high fidelity simulation.



# Course Objectives

The course objectives are to provide the candidate with the basics in knowledge, practical skills and the human factors elements required for the management of neonatal and pediatric patients requiring ECMO support. After completing the course, the candidates will understand the indications and contraindications for ECMO, and the practical skills required for initiating and providing ongoing ECMO support.

Using High fidelity Simulation to recreate real life situations that occur during an ECMO run, candidates will learn the practical and teamwork, leadership and communication skills required to managed this complex system and enable the candidates to gain experience and mechanisms to cope with the potentials of real life situations, all in a completely free of risk environment. All the contents of the scenarios and the clinical algorithms used to solve it are in line with the ELSO guidelines for the management of neonatal and pediatric cardio-respiratory failure.

## OPENING CEREMONY

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**Brig. Gen. Luigi Maria D'Anna**

Commander of the Military School of Health , Rome

**Mariella Enoc**

President Children's Hospital Bambino Gesù, Rome

**On. Beatrice Lorenzin\***

Minister of Health of the Italian Republic

**Bruno Dallapiccola**

Scientific Director Children's Hospital Bambino Gesù, Rome

**Massimiliano Raponi**

Hospital Director, Rome Children's Hospital Bambino Gesù, Rome

**Nicola Pirozzi**

Chief of Department of Anesthesia and Intensive Care, Children's Hospital Bambino Gesù, Rome

**Roberto Lorusso**

President of EuroELSO, Maastricht, Netherlands

## COURSE DIRECTOR

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**Dr. Matteo Di Nardo**

PICU, Children's Hospital Bambino Gesù, Rome

## SCIENTIFIC SECRETARY

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**Mrs. Francesca Stoppa**

PICU, Children's Hospital Bambino Gesù, Rome

**Dr. Antonio Amodeo**

ECMO and VAD Unit, Children's Hospital Bambino Gesù, Rome

## SPEAKERS

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**Dr. Tim Antonius** (Nijmegen, Netherlands)

**Dr. Pietro Bagolan** (OPBG, Rome)

**Dr. Mirko Belliato** (Ospedale S. Matteo, Pavia)

**Mrs. Irma Capolupo** (OPBG, Rome)

**Dr. Corrado Cecchetti** (OPBG, Rome)

**Dr. Mark Davidson** (Glasgow, Scotland)

**Dr. Luca Di Chiara** (OPBG, Rome)

**Dr. Matteo Di Nardo** (OPBG, Rome)

**Dr. Andrea Dotta** (OPBG, Rome)

**Col. Fabio Fabi** (Military School of Health, Rome)

**Mrs. Ondina La Salvia** (OPBG, Rome)

**Dr. Gianluigi Perri** (UCSC, Rome)

**Prof. Antonio Pesenti** (Milan, Italy)

**Prof. Vito Marco Ranieri** (Università La Sapienza, Rome)

**Dr. Zaccaria Ricci** (OPBG, Rome)

**Dr. Florian Schmidt** (Hannover, Germany)

**Dr. Jonathan Smith** (New Castle upon Tyne, UK)

**Mrs. Francesca Stoppa** (OPBG, Rome)

**Prof. Dick Tibboel** (Rotterdam, Netherlands)

**Mrs. Claire Weistrop** (Leicester, UK)

**Mrs. Leen Vercaemst** (Leuven, Belgium)

**Dr. Enno Wildschut** (Rotterdam, Netherlands)

# PRELIMINARY PROGRAM

## Day 1: 12th October 2016

08.00 - 08.30 **Registration**

08.30 - 09.00 **Opening Ceremony**

Course presentation: Dr. M. Di Nardo

**Chiarpersons:** L. Di Chiara, C. Fabi, C. Cecchetti, O. La Salvia

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09.00 - 09.25 **Physiology of gas-exchange**

Prof. A. Pesenti

09.30 - 09.55 **Basics of ECMO in Kids: priming, circuit components**

Mrs. L. Vercaemst

10.00 - 10.25 **Vascular Cannulation**

Dr. G. Perri

10.30 - 10.45 **Coffee Break**

10.50 - 11.20 **ECMO support for neonatal and pediatric heart failure**

Dr. J. Smith

11.30 - 11.50 **Management of coagulation in ECMO**

Dr. M. Davidson

12.00 - 12.30 **Brain Monitoring in neonatal and pediatric ECMO**

Mrs. F. Stoppa

13.00 - 14.00 **Lunch**

14.10 - 18.00 **ECMO SIMULATIONS**

## Day 2: 13th October 2016

**Chiarpersons:** P. Bagolan, M. Davidson, A. Dotta

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08.30 - 08.50 **Is there still a role for ECLS in neonatal respiratory failure?**

Mrs. I. Capolupo

09.00 - 09.25 **Management of CDH in ECMO : surgery, PDA, fluid management, pulmonary vasodilators, ect**

Prof. D. Tibboel

09.30 - 09.50 **ARDS management: my credo**

Prof. V. M. Ranieri

10.00 - 10.25 **Antibiotic and sedation pharmacokinetics/dynamics in KIDs during ECMO**

Dr. E. Wildschut

10.30 - 10.45 **Coffee Break**

\*Waiting for confirmation

Chairpersons: *C. Westrope, M. Davidson, T. Antonius*

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- 10.50 - 11.15    **Management of Native Lung in ECMO**  
*Dr. M. Di Nardo*
- 11.20 - 11.45    **Bridge to lung transplantation in ECMO**  
*Dr. F. Schmidt*
- 11.50 - 12.15    **CRRT in kids supported with ECMO**  
*Dr. Z. Ricci*
- 12.25 - 12.45    **Pediatric ECMO transport (Safety advices)**  
*Mrs. C. Westrope*
- 13.00 - 14.00    **Lunch**
- 14.00 - 18.00    **ECMO SIMULATIONS**

### Day 3: 14th October 2016

- 08.30 - 17.00    **ECMO SIMULATIONS**
- 17.10 - 18.00    **Final Test and EuroELSO certification**



## ECMO SIMULATIONS

### Technical Skills

(Aula Bramati)

(priming, changing circuit, changing oxygenator)

### Hands on Cannulation (only for surgeons)

(Biblioteca 2 - Aula Mancini)

### Macrosimulation and Debriefing

(Biblioteca 2)

### International Pediatric ECMO Simulation Team:

*C. Westrope, T. Antonius, M. Davidson, F. Stoppa, M. Di Nardo, M. Belliato, F. Cancani, O. La Salvia, G. Bravetti, V. Colantoni, S. Belvisi, G. Salvadori, D. Mori, A. Comanducci, T. Satta, F. Michetti, M. Mari, M. Dellaporta, D. Malossi, L. Cimino, Suor L. Cirulli.*

## GENERAL INFORMATIONS

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EuroELSO Neonatal and Pediatric ECMO Course

### DATE AND VENUE:

12-13-14 October, 2016 - Aula Bramati

Scuola di Sanità e Veterinaria Militare, Città Militare della Cecchignola,  
Via G. Pelosi, 41; 00143 – Roma

### CONGRESS REGISTRATION:

The maximum number of 20 registration will be accepted.

Registration for the Congress can be made online by using the registration service available on this website: <http://www.biomedica.net/mws/ECMO2016>

### REGISTRATION FEE:

The registration fee is €1.300 for Medical Doctors (Cardiology, Anesthesia and Intensive Care, Cardiosurgery, Pediatrics and Neonatology), Nurses, Pediatric Nurses, Cardiocirculatory and Cardiovascular Perfusion Technicians and post-graduate students. The registration fee includes participation in the morning scientific sections and in the afternoon simulation classes.

### PAYMENT METHODS:

Registration for the Congress can be made online by using the registration service available on this website: <http://www.biomedica.net/mws/ECMO2016>

### CME:

The international Congress on ECMO is accredited by the European Accreditation Council for the continuing medical education (EACCME) to provide CME activity for medical specialists.

The EACCME is an institution of the European Union of Medical Specialists (UESMS), [www.uesms.net](http://www.uesms.net). Each medical specialist should claim only those hours of credit that he/she actually spent in educational activity. [Through an agreement between the European union of medical Specialists and the American Medical Association physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 credits TM](#). Information on the process to convert EACCME credit to AMA credit can be found at [www.ama-assn.org/go/internationalcme](http://www.ama-assn.org/go/internationalcme)

### EBCP accreditation:

EBCP accreditation points will be requested for perfusionist.

### EDUCAZIONE CONTINUA IN MEDICINA (ECM):

X training credits were awarded by the Health Ministry to the following professionals:

Medico Chirurgo (Cardiologia, Anestesia e rianimazione, Cardiocirurgia, Pediatria, Neonatologia)  
Infermiere; Infermiere Pediatrico; Tecnico della fisiopatologia cardiocircolatoria e perfusione  
cardiovascolare. At the end of the course there will be an evaluation test.

### HOTEL INFORMATION:

Rooms have been reserved at Oly Hotel – Via Santuario Regina degli Apostoli 36,  
00145, Roma; phone: +39 06 59 4441; email [info@olyhotel.it](mailto:info@olyhotel.it)

A shuttle-bus will be available to take attendees to the congress venue.

### ORGANIZING COMMITTEE

Servizio Eventi Formativi ECM

Ospedale Pediatrico Bambino Gesù

Piazza S. Onofrio, 4 - 00165 Roma

Tel: 06-6859.2290-2411-4864-3768, Fax: 06/6859.2443

E-mail: [congressi@opbg.net](mailto:congressi@opbg.net) - [www.ospedalebambinogesu.it](http://www.ospedalebambinogesu.it)