

International Center for Studies and Training "G. Gaslini"
Provider Nazionale Accreditato ECM n. 856
Certificazione ISO9001:2008



CISEF Director: Antonio Infante

G. Gaslini Institute Executive Board

Paolo Petralia, MD, CEO
Lorenzo Moretta, MD, Scientific Director
Silvio Del Buono, MD, CMO
Ubaldo Rosati, MD, Head, Quality Office

AIMS

The course will cover the main principles and applications of extracorporeal life support in newborns and children. Some of the most innovative aspects of ECMO treatment will be treated as well (congenital diaphragmatic hernia, septic shock, bridge to lung transplant, trauma), including ECMO transport. Participants will acquire the theoretical principles of extracorporeal life support and will consolidate their knowledge through practical hands on sessions in small groups. The course will include frontal lessons and practical work on the ECMO pumps and circuits. Case scenarios will be administered to the participants and discussed. The course is directed to: neonatal and pediatric intensivists, nurses and ECMO specialists.

Scientific Committee of the Meeting

E. Lampugnani, F. Lerzo, M. Marasini, F. Santoro, R. Thiagarajan, J. Zalieckas, L. Zannini

Local Organizing Committee

Andrea Moscatelli

Neonatal and Pediatric ICU, G. Gaslini Children's Hospital,
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Organizing Secretariat

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We acknowledge the unrestricted support of
Chiesi Farmaceutici
Tecnohealth
Linde Medicale

GENERAL INFORMATION

Registration

The full course is open to up to 30 neonatal and pediatric intensivists, cardiac surgeons, perfusion technicians, nurses and ECMO specialists. **30 additional participants can attend the morning sessions.** Applications will be accepted on a first come-first served basis.

Deadline for registration: August 8th, 2013

Fill in the registration form to be downloaded from the course website and return it to the organizing secretariat.

Registration fees

The full course registrations fee of 450,00 Euros, covers: access to the morning and afternoon practical sessions, didactic material, 6 coffee breaks, 3 lunches and attendance certificate. The morning sessions registration fee of 200,00 Euros, covers access to morning sessions, didactic material, 3 coffee breaks, 3 lunches and attendance certificate. The fee can be paid after receiving confirmation from the organizing secretariat.

Official language

English

Italian CME Accreditations n. 856-56374, 57187

Full course attendants: 23,5 CME credits.

Morning sessions attendants: 11 CME credits

Details at the course website.

Practical training will be on centrifugal pumps.

Venue

Villa Quartara, Badia Benedettina della Castagna
Via Romana della Castagna 11 A, 16148 Genoa, Italy.

How to reach the venue

Plane: from the International Airport Cristoforo Colombo, shuttle bus n. 100 (runs every hour) takes you to Genova Brignole railway station, where you can take bus n. 17 to Via Romana della Castagna.

Train: get off at Genova Brignole railway station, take bus n. 17 and get off in Corso Europa, in front of Via Romana della Castagna.

Car: motorway exit Genova-Nervi, take Corso Europa westwards, take the overpass to change direction and drive eastwards, pass the Hotel AC and ESSO gas station on the right, after 50 mts. turn right into Via Romana della Castagna, go straight 80 mts., enter the gate and follow the dust lane up to the parking lot.

Accommodation

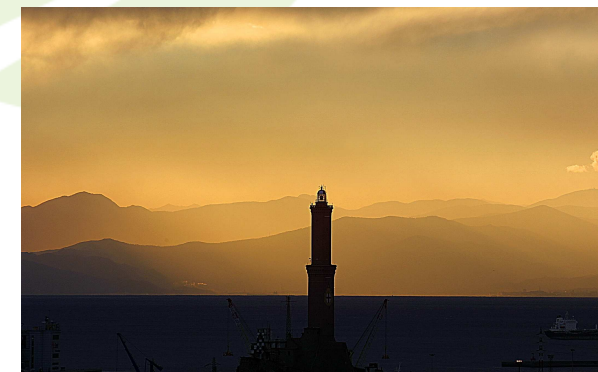
Please make your arrangement well in advance.

Special rates at the AC Marriot Hotel**** - Genova-Quarto +39-010-3071180 located at walking distance from the Badia as well as at the Hotel Iris *** - Genova-Quarto +39-010-3773914. Always mention the CISEF course.

Website: www.ECMOGenoa2013.cisef.org



ECMOGenoa2013: INTERNATIONAL HANDS-ON COURSE ON NEONATAL AND PEDIATRIC ECMO



Course Directors

J. Arnold, P. Betit, A. Moscatelli, P. Tuo



Under the auspices of
Società Italiana di Pediatria
Società Italiana di Neonatologia

October 1-3, 2013

Villa Quartara, Badia della Castagna
Genoa, Italy



Faculty

John H. Arnold MD

Dept of Anesthesia & Critical Care, Boston Children's Hospital
Professor of Anaesthesia (Pediatrics), Harvard Medical School

Peter Betit RRT-NPS, FAARC

ECMO Program Manager, Boston Children's Hospital
Associate in Anesthesia, Harvard Medical School

Kevin Bullock RRT-NPS

ECMO Specialist, Boston Children's Hospital

Silvia Buratti MD

Dept of Critical Care and Perinatal Medicine
G. Gaslini Children's Hospital, Genoa

Nancy Craig RRT-NPS

ECMO Specialist, Boston Children's Hospital

Elisabetta Lampugnani MD

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Franco Lerzo MD

Director, Cardiovascular Intensive Care Unit
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Director, Cardiology Unit, Dept of Cardiovascular Surgery
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Francesco Santoro MD

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Ravi Thiagarajan MD, MBBS, MPH

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Pietro Tuo MD

Head, Department of Critical Care and Perinatal Medicine
G. Gaslini Children's Hospital, Genoa

Jill Zalieckas MD, MPH

Dept. of Surgery, Boston Children's Hospital
Assistant in Surgery, Harvard Medical School

Lucio Zannini MD

Head, Dept of Cardiovascular Surgery
G. Gaslini Children's Hospital, Genoa

Tuesday October 1st

8.00	Registration
8.30	Welcome address A. Infante, P. Petralia, S. del Buono, L. Moretta, U. Rosati
8.45	Program Introduction and Essentials
9.15	Introduction to ECMO - P. Betit
9.45	The Physiology of Extracorporeal Support J. Arnold
10.15	Modes of ECMO Support - K. Bullock
10.45	Coffee break
11.15	Cannulae and Cannulation Techniques J. Zalieckas
12.00	ECMO for Respiratory Support N. Craig
12.45	ECMO for Circulatory Support R. Thiagarajan
13.45	Lunch
14.15	Pre-ECMO Strategies A. Moscatelli
14.30	Instructions to work groups
15.30	Circuit and Equipment Practicum P. Betit, K. Bullock, F. Lerzo
15.45	Coffee break
16.45	Circuit and Equipment Practicum P. Betit, K. Bullock, F. Lerzo
17.15	End of session

Wednesday October 2nd

8.30	Anticoagulation & Management of Bleeding R. Thiagarajan
9.00	Monitoring the ECMO patient - J. Arnold
9.45	Fluid Management & Renal Replacement Therapy - J. Zalieckas
10.15	Coffee break
10.45	Monitoring the ECMO Circuit - P. Betit
11.30	ECMO Circuit Complications - K. Bullock
12.00	Patient Complications - J. Zalieckas
12.30	Intra- and Inter-facility Transport A. Moscatelli
13.00	Lunch

14.15	Troubleshooting Practicum P. Betit, K. Bullock, F. Lerzo
15.30	Coffee break
15.45	Troubleshooting Practicum P. Betit, K. Bullock, F. Lerzo
16.45	Panel Discussion
17.15	End of session

Thursday October 3rd

8.30	Special Considerations - Persistent pulmonary hypertension of the newborn A. Moscatelli - Congenital diaphragmatic hernia - N. Craig - Congenital heart disease - R. Thiagarajan - Sepsis & OR Applications - J. Arnold
10.00	Coffee break
10.30	General Care of the ECMO Patient - N. Craig
11.00	Ventilator Management & Airway Clearance K. Bullock
11.30	Liberation from ECMO - The Respiratory Patient - J. Zalieckas - The Cardiac Patient - R. Thiagarajan
12.30	Lunch
13.30	Bridge to Lung Transplantation. Focus on cystic fibrosis - A. Moscatelli
14.00	Post-ECMO Follow-up S. Buratti
14.30	INTERACTIVE CASE PRESENTATIONS N. Craig, R. Thiagarajan, P. Betit, J. Arnold
15.30	Coffee break
15.45	INTERACTIVE CASE PRESENTATIONS N. Craig, R. Thiagarajan, P. Betit, J. Arnold
16.45	Closing Remarks & Evaluation
17.15	Quality assessment questionnaire Release of certificates of attendance