



AEPC Cardiovascular Intensive Care Training Course

03.04.2025
04.04.2025

Simulation
16 teaching hours

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Elevate Your Pediatric Cardiovascular Intensive Care Expertise.

Join the **AEPC Cardiovascular Intensive Care Training Course** and acquire cutting-edge skills in managing pediatric patients with critical cardiovascular conditions. Over two days, learn from international experts, participate in hands-on sessions, and tackle real-world scenarios through high-fidelity simulations.

Transform your approach to cardiovascular intensive care medicine and become a leader in this essential field. Be inspired, gain new skills, and be ready to make a difference.

Course Directors

Nicole Sekarski
CHUV | Centre hospitalier universitaire vaudois.
Joan Sánchez-de-Toledo
SJD Barcelona Children’s Hospital.
On behalf of the AEPC CVICU WG.

Venue

PCCB Auditorium, SJD Barcelona Children’s Hospital Classroom Darwin
Calle de Santa Rosa, 39-57 08950 Esplugues de Llobregat (BCN)

Registration Fees
This includes course registration fee for 2 days, course material / hands-on, lunch & refreshments during coffee breaks & first-night dinner.
Juniors (AEPC, ESPNIC) or trainees (residents, fellows): 250 €
Seniors: 450 €
Virtual course: live lectures w/o hands-on: 50 €
https://bit.ly/aepec_cardiovascular_2025
Contacto
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Learning methodology

Hybrid format	
Exchange of experiences	
Tutoring with experts	
Practical experience in small groups	
Active and collaborative learning	

Faculty

- Dimpna Calila Albert**
Pediatric Cardiologist, Consultant. Pediatric Heart Failure & Heart Transplant Program. Heart Center. KFSH & RC. Riyadh, KSA.
- Marta Camprubí-Camprubí**
Neonatology. Hospital Sant Joan de Déu, Barcelona - Universitat de Barcelona. Barcelona, Spain
- Cristina Carrasco**
NICU consultant. Director, Neonatal ECMO. Hospital Sant Joan de Déu Barcelona.
- Juan Carretero Bellon**
Pediatric Cardiologist, Pediatric Heart Center. Hospital Sant Joan de Déu, Barcelona, Spain.
- Jordi Clotet**
NICU Consultant, ECMO Simulation specialist, Hospital Sant Joan de Déu Barcelona.
- Stefano Congiu**
Department of Cardiovascular Surgery, Pediatric Heart Center Hospital Sant Joan de Déu, Barcelona, Spain
- Alex Fernandez**
Department of Cardiovascular Surgery, Center for Congenital Heart Diseases. Hospital Sant Joan de Déu & Hospital Clinic. Barcelona, Spain.
- David Ferri Rufete**
Pediatric Cardiology, Pediatric Heart Center. Hospital Sant Joan de Déu, Barcelona, Spain.
- Montse Fontanals**
Pediatric Anesthesia, Hospital Sant Joan de Déu, Barcelona. Barcelona, Spain.
- Andrea Greco**
Pediatric Cardiology, Pediatric Heart Center. Hospital Sant Joan de Déu, Barcelona, Spain.

- Raul Montero Yéboles**
Pediatric Intensive Care Unit. Hospital reina Sofía, Córdoba, Spain.
- Bosco Moscoso**
Department of Cardiovascular Surgery, Center for Congenital Heart Diseases. Hospital Sant Joan de Déu & Hospital Clinic. Barcelona, Spain.
- Ricardo Munoz**
Division of Cardiac Critical Care Medicine. The George Washington University School of Medicine. Children's National Hospital. Washington, US
- Cho Ng**
Consultant in Paediatric Cardiac Intensive Care, Great Ormond Street Hospital for Children, London, UK
- Daniel Palanca**
Pediatric Cardiologist & Intensive Care, Hospital Universitario Miguel Servet, Zaragoza.
- Martí Pons Odena**
Pediatric Intensive Care Unit & Pediatric Home Ventilation Programme. Hospital Sant Joan de Déu, Barcelona - Universitat de Barcelona Barcelona, Spain. Educational Board member of ESPNIC.
- Fredy Prada**
Director, Cardiac Catheterization Laboratory, Hospital Sant Joan de Déu Barcelona.
- May Reyné.**
Neonatology Consultant, ECMO simulation specialist, Hospital Sant Joan de Déu Barcelona.
- Elena Sandoval**
Cardiovascular Surgeon, Director of the Mechanical Circulatory Support, Hospital Clinic, Barcelona.
- Joan Sanchez de Toledo**
Pediatric Cardiology, Pediatric Heart Center. Hospital Sant Joan de Déu, Barcelona, Spain. Division of Cardiac Critical Care Medicine Children’s Hospital of Pittsburgh, University of Pittsburgh, PA.
- Georgia Sarquella-Brugada**
Pediatric Arrhythmias, Inherited Cardiac Diseases and Sudden Death Unit, Pediatric Heart Center. Hospital Sant Joan de Déu, Universitat de Barcelona. Barcelona, Spain.
- Damien Schaffner**
Department of Congenital Heart Disease, Pediatric Cardiology, Deutsches Herzzentrum der Charité, Berlin, Germany.
- Nicole Sekarski**
Pediatric Cardiology, Department of Pediatrics. CHUV | Centre hospitalier universitaire Vaudois. Lausanne, Switzerland.
- Angelika Weber**
AMEOS Clinic St. Elisabeth Neuburg. Academic Teaching Hospital of the University of Regensburg. Pediatric Intensive Care Unit.
- Nadya Yousef**
Pediatric Intensivist. AMEOS Klinik St. Elisabeth , University of Regensburg Neuburg an der Donau, Germany.

Thursday April 3rd 2025

08:15 - 08:30 h	Welcome and Introduction
08:30 - 09:00 h	Basic Physiology and Monitoring
09:00 - 09:30 h	Cardiopulmonary Interactions
09:30 - 10:00 h	Mechanical Ventilatory Support
10:00 - 10:30 h	Coffee Break.
10:30 - 11:00 h	Cath Data interpretation
11:00 - 11:30 h	Echocardiography in the CICU (MCC & FOCUS)
11:30 - 12:00 h	Looking outside the heart
12:00 - 14:00 h	Lunch lecture: Postoperative arrhythmias & Challenging EKGs

Simulation.

14:30 - 16:00 h	Hands-on (4 sub-groups) Cath Data (A)/ MCS (B) Simulation (C) / POCUS (D)
16:00 - 16:30 h	Coffee Break.
16:00 - 18:00 h	Hands-on (4 sub-groups) Cath Data (B)/ MCS (A) Simulation (D) / POCUS (C)
20:00 h	Dinner remarks (TBD)

Friday April 4th 2025

08:15 - 09:00 h	The Basics of Heart Surgery
09:00 - 09:30 h	Principles of MCC (ECMO & VADs)
09:30 - 10:00 h	The Transplanted Heart in the CICU
10:00 - 10:30 h	Coffee Break.
10:30 - 11:15 h	Care of the Neonate in the CICU
11:15 - 11:45 h	Neuromonitoring in the CICU
11:45 - 12:30 h	Single ventricle physiology and management. (Qp/Qs)
12:30 - 13:30 h	Lunch lecture: (Sedation & Analgesia)

Simulation.

14:00 - 15:30 h	Hands-on (4 sub-groups) Cath Data (C)/ MCS (D) Simulation (A) / POCUS & TEE (B)
15:30 - 15:45 h	Coffee Break.
15:45 - 17:15 h	Hands-on (4 sub-groups) Cath Data (D)/ MCS (C) Simulation (B) / POCUS & TEE (A)

17:15 - 17:30 h Feedback and closure.