



AEPC Cardiovascular Intensive Care Training Course

2nd Edition

26.03.2026
27.03.2026

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.

David Ferri-Rufete

SJD Barcelona Children's Hospital.
On behalf of the AEPC CVICU WG.

Venue

Teaching and Simulation Area. SJD Barcelona Children's Hospital.
Calle de Santa Rosa, 39-57 08950 Esplugues de Llobregat (BCN)

Registration Fees: <https://bit.ly/aepe-cardiovascular>

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):** 300 €
- **Seniors:** 750 €

Virtual course (live lectures w/o hands-on): 100 €

Contacto

SJD Barcelona Children's Hospital
Passeig Sant Joan de Déu, 2 08950 Esplugues de Llobregat, Barcelona
Phone: +34 93 253 21 30
E-mail: hospitalbarcelona.formacion@sjd.es



Learning methodology

Hybrid format



Exchange of experiences



Tutoring with experts



Practical experience in small groups



Active and collaborative learning



Faculty

Dimpna Calila Albert

Pediatric Heart Failure & Heart Transplant Program. Heart Center. KFSH & RC. Riyadh, KSA.

Sékolène Bernheim

Department of Pediatric Cardiac Surgery, Hôpital Universitaire Necker-Enfants Malades, APHP, Université Paris Cité. Paris, France.

Marta Camprubí-Camprubí

Neonatal Intensive Care Unit. SJD Barcelona Children's Hospital. Barcelona, Spain.

Cho Ng

Cardiac Intensive Care Unit. Great Ormond Street Hospital for Children. London, UK.

Jordi Clotet Caba

Neonatal Intensive Care Unit & Simulation Program. SJD Barcelona Children's Hospital. Barcelona, Spain.

Alex Fernandez

Cardiac Surgery. Center for Congenital Heart Diseases. SJD Barcelona Children's Hospital & Hospital Clinic. Barcelona, Spain.

David Ferri Rufete

Pediatric Cardiology & Simulation Program. SJD Barcelona Children's Hospital. Barcelona, Spain.

Montse Fontanals Caravaca

Pediatric Cardiac Anaesthesiology. SJD Barcelona Children's Hospital. Barcelona, Spain.

Andrea Greco

Pediatric Cardiology. SJD Barcelona Children's Hospital. Barcelona, Spain. Barcelona, Spain.

Raul Montero Yéboles

Pediatric Intensive Care Unit. Hospital Reina Sofía. Córdoba, Spain.

Bosco Moscoso Garrido

Cardiac Surgery. Center for Congenital Heart Diseases. SJD Barcelona Children's Hospital & Hospital Clinic. Barcelona, Spain.

Ricardo Munoz

Cardiac Critical Care Medicine and Tele ICU services. Driscoll Children's Hospital, Corpus Christie. Texas, US.

Martí Pons Odena

Pediatric Intensive Care Unit & Pediatric Home Ventilation Programme. SJD Barcelona Children's Hospital. Barcelona, Spain.

Mar Reyné Vergeli

Neonatal Intensive Care Unit & Simulation Program. SJD Barcelona Children's Hospital. Barcelona, Spain.

Joan Sanchez de Toledo

Pediatric Cardiology. SJD Barcelona Children's Hospital. Barcelona, Spain. Barcelona, Spain.
Division of Cardiac Critical Care Medicine. Children's Hospital of Pittsburgh, University of Pittsburgh, PA.

Georgia Sarquella-Brugada

Pediatric Cardiology. SJD Barcelona Children's Hospital. Barcelona, Spain. Barcelona, Spain.

Damien Schaffner

Department of Congenital Heart Disease. Pediatric Cardiology. Deutsches Herzzentrum der Charité (DHZC), Berlin, Germany.

Nicole Sekarski

Pediatric Cardiology. Department of Pediatrics. CHUV | Centre hospitalier universitaire Vaudois. Lausanne, Switzerland.

Angelika Weber

Pediatric Intensive Care Unit. AMEOS Clinic St. Elisabeth Neuburg. Academic Teaching Hospital of the University of Regensburg.

Nadya Yousef

Pediatric Intensive Care Unit. AMEOS Klinik St. Elisabeth, University of Regensburg Neuburg an der Donau, Germany.

Thursday March 26th, 2026

08:15 - 08:30 h	Welcome and Introduction	
Interactive Talks & Live Simulation (Module 1)		
08:30 - 09:00 h	Basic Physiology and Monitoring Raul Montero Yéboles	
09:00 - 09:30 h	Cardiopulmonary Interactions Joan Sanchez de Toledo	
09:30 - 10:00 h	Non-Invasive Mechanical Ventilatory Support Martí Pons Odena	
10:00 - 10:30 h	Coffee Break	☐
Interactive Talks & Live Simulation (Module 2)		
10:30 - 11:00 h	Echocardiography in the CICU Nicole Sekarski	
11:00 - 11:30 h	Looking outside the heart Nadya Yousef	
11:30 - 12:00 h	Live Simulation SJD Simulation Program	
12:00 - 14:30 h	Lunch lecture Postoperative arrhythmias & Challenging EKGs Georgia Sarquella-Brugada & Andrea Greco	🍴

Workout of the Day (Hands-on practice)

14:30 - 16:00 h	Skill 1 [4 stations] Cath Data (A) / Mechanical Circulatory Support (B) / Simulation (C) / POCUS & TEE (D)
16:00 - 16:30 h	Coffee Break
16:30 - 18:00 h	Skill 2 [4 stations] Cath Data (A) / Mechanical Circulatory Support (B) / Simulation (C) / POCUS & TEE (D)
20:00 h	Dinner remarks (TBD)

Friday March 27th, 2026

Interactive Talks & Live Simulation (Module 3)		
08:15 - 09:00 h	The Basics of Cardiopulmonary Bypass Alex Fernandez	
09:00 - 09:30 h	Principles of MCS (ECMO & VADs) Cho Ng	
09:30 - 10:00 h	The Transplanted Heart in the CICU Dimpna Calila Albert	
10:00 - 10:30 h	Coffee Break	☐
Interactive Talks & Live Simulation (Module 4)		
10:30 - 11:15 h	Care of the Neonate in the CICU Ricardo Muñoz	
11:15 - 11:45 h	Neuromonitoring in the CICU Marta Camprubi-Camprubi	
11:45 - 12:30 h	Single ventricle physiology and management. (Qp/Qs) Cho Ng	
12:30 - 13:00 h	Sedation & Analgesia Montse Fontanals Caravaca	
13:00 - 14:00 h	Lunch	🍴

Workout of the Day (Hands-on practice)

14:00 - 15:30 h	Skill 3 [4 stations] Cath Data (A) / Mechanical Circulatory Support (B) / Simulation (C) / POCUS & TEE (D)
15:30 - 15:45 h	Coffee Break
15:45 - 17:15 h	Skill [4 stations] Cath Data (A) / Mechanical Circulatory Support (B) / Simulation (C) / POCUS & TEE (D)
17:15 - 17:30 h	Feedback and closure