



AEPC Cardiovascular Intensive Care Training Course

2n 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/aepec-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
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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 Heart Failure & Heart Transplant Program. Heart Center. KFSH & RC. Riyadh, KSA.

Ségolène 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. Arrhythmia and Familiar Cardiopathies Unit. SJD Barcelona Children's Hospital. 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

Division of Cardiac Critical Care Medicine. The George Washington University School of Medicine. Children's National Hospital. Washington, 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. Arrhythmia and Familiar Cardiopathies Unit. SJD Barcelona Children's Hospital. 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 - Basic Physiology and Monitoring
09:00 h Raul Montero Yéboles

09:00 - Cardiopulmonary Interactions
09:30 h Joan Sanchez de Toledo

09:30 - Non-Invasive Mechanical Ventilatory Support
10:00 h Marti Pons Odena

10:00 -
10:30 h Coffee Break

Interactive Talks & Live Simulation (Module 2)

10:30 - Echocardiography in the CICU
11:00 h Nicole Sekarski

11:00 - Looking outside the heart
11:30 h Nadya Yousef

11:30 - Live Simulation
12:00 h SJD Simulation Program

12:00 - Lunch lecture | Postoperative arrhythmias & Challenging EKGs
14:30 h 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)
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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)
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20:00 h Dinner remarks (TBD)

Friday March 27th, 2026

Interactive Talks & Live Simulation (Module 3)

08:15 - The Basics of Cardiopulmonary Bypass
09:00 h Alex Fernandez

09:00 - Principles of MCS (ECMO & VADs)
09:30 h Cho Ng

09:30 - The Transplanted Heart in the CICU
10:00 h Dimpna Calila Albert

10:00 -
10:30 h Coffee Break

Interactive Talks & Live Simulation (Module 4)

10:30 - Care of the Neonate in the CICU
11:15 h Ricardo Muñoz

11:15 - Neuromonitoring in the CICU
11:45 h Marta Camprubi-Camprubi

11:45 - Single ventricle physiology and management. (Qp/Qs)
12:30 h Cho Ng

12:30 - Sedation & Analgesia
13:00 h 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)
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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)
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17:15 -
17:30 h Feedback and closure