



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/aepc-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

Rebecca Anderson de la Llana

Pediatric and Neonatal Intensive Care. Zurich University Hospital. Zurich, Switzerland.

Yolande Bell-Cheddar

Cardiac Critical Care Medicine. Children's Hospital of Pittsburgh. Pittsburgh, US.

Dimpna Calila Albert.

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

Daniel Palanca Arias

Pediatric Cardiology & Pediatric Intensive Care. Miguel Servet University Hospital. Zaragoza, Spain.

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.

Maria Clara Escobar Díaz

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

Alejandro Fernandez-Cisneros

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.

Sergi César Díaz

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

Javier Gavela

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Andrea Greco

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

Raul Montero Yéboles

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

Bosco Mascoso Garrido

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Ricardo Munoz

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

Mar Reyné Vergeli

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

Joan Sanchez de Toledo

Heart Institute. SJD Barcelona Children's Hospital. Barcelona, Spain. Barcelona, Spain.
Cardiac Critical Care Medicine. Children's Hospital of Pittsburgh. Pittsburgh, US.

Georgia Sarquella-Brugada

Pediatric Cardiology. 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.

Cecile Tissot

Pediatric Cardiology, Clinique des Grangettes. Geneva, Switzerland & Co-director of the swiss targeted neonatal echocardiography (TNE) program.

Angelika Weber

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

Nadya Yousef

Pediatrics and Neonatal Critical Care. Hospital Antoine-Béclère. Clamart, France

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 Mechanical Ventilation in Critically ill Hearts
Rebecca Anderson de la Liana

10:00 -
10:30 h Coffee Break 

Interactive Talks & Live Simulation (Module 2)

10:30 -
11:00 h Echocardiography in ECMO
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) Nicole Sekarski, Javier Gavela, Yolande Bell-Cheddar, Cecile Tissot, Jordi Clotet, Mar Reiné, Ricardo Muñoz, Joan Sánchez de Toledo, David Ferri, Damien Schaffner, Dani Palanca
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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) Nicole Sekarski, Javier Gavela, Yolande Bell-Cheddar, Cecile Tissot, Jordi Clotet, Mar Reiné, Ricardo Muñoz, Joan Sánchez de Toledo, David Ferri, Damien Schaffner, Dani Palanca
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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
Alejandro Fernandez-Cisneros

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 Single ventricle physiology and management. (Qp/Qs)
Javier Gavela

11:45 -
12:30 h Neuromonitoring in the CICU
Marta Camprubi-Camprubi

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) Nicole Sekarski, Javier Gavela, Yolande Bell-Cheddar, Cecile Tissot, Jordi Clotet, Mar Reiné, Ricardo Muñoz, Joan Sánchez de Toledo, David Ferri, Damien Schaffner, Dani Palanca
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15:30 -
15:45 h Coffee Break

15:45 - 17:15 h	Skill 4 [4 stations]: Cath Data (A) / Mechanical Circulatory Support (B) / Simulation (C) / POCUS & TEE (D) Nicole Sekarski, Javier Gavela, Yolande Bell-Cheddar, Cecile Tissot, Jordi Clotet, Mar Reiné, Ricardo Muñoz, Joan Sánchez de Toledo, David Ferri, Damien Schaffner, Dani Palanca
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17:15 -
17:30 h Feedback and closure