



# AEPC Cardiovascular Intensive Care Training Course

2<sup>nd</sup> 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  
Passeig Sant Joan de Déu, 2 08950 Esplugues de Llobregat, Barcelona  
Phone: +34 93 253 21 30  
E-mail: [hospitalbarcelona.formacion@sjd.es](mailto:hospitalbarcelona.formacion@sjd.es)

### Endorsed by:



### 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

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

#### 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

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.

#### 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. 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  
Alejandro Fernández Cisneros & Javier Gavela

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

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

20:15 h Charity concert at Luz de Gas organized by Infancia Solidaria

# 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

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

17:15 -  
17:30 h Feedback and closure