



# 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/aepe\\_cardiovascular\\_2025](https://bit.ly/aepe_cardiovascular_2025)



### Contacto

SJD Barcelona Children's Hospital

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E-mail: [hospitalbarcelona.formacion@sjd.es](mailto:hospitalbarcelona.formacion@sjd.es)

European EAACME (SEAFORMEC) accreditation has been requested

## 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 Cardiology, Pediatric Heart Center. Hospital Sant Joan de Déu, Barcelona, Spain.

### Montse Fontanals

Pediatric Anesthesia, 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

### 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 Deu 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 [D]/ MCS [A]  
Simulation [B] / POCUS [C]

16:00 -  
16:30 h *Coffee Break.*

16:00 -  
18:00 h **Hands-on (4 sub-groups)**  
Cath Data [D]/ MCS [A]  
Simulation [B] / 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 [C]/ MCS [D]  
Simulation [A] / POCUS & TEE [B]

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