



AEPC Cardiovascular Intensive Care Training Course

03.04.2025
04.04.2025

Simulation
16 teaching hours



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: 250 € / Seniors: 500 €

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

Contacto

SJD Barcelona Children's Hospital

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European EAACME (SEAFORMEC) accreditation has been requested

After this training you will be able to:

Acquire advanced skills in managing pediatric patients with critical cardiovascular diseases, enhancing the ability to make quick and precise decisions in high-complexity situations.

Develop competencies in the use of cutting-edge technologies and techniques for monitoring and treating cardiovascular conditions in the pediatric intensive care unit.

Promote interdisciplinary teamwork and effective communication in the intensive care setting, improving treatment quality and clinical outcomes for pediatric patients.

Learning methodology

Hands-on experience in small groups



Mentoring with experts



Simulation Course



Faculty

Alex Fernandez

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Dimpna Calila Albert

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Eduardo Da Cruz

Division of Pediatric Cardiovascular Critical Care Boston Children's Hospital/Harvard Medical School. Boston, US.

Georgia Sarquella-Brugada

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Pediatric Intensive Care Unit. Hospital General Universitario Gregorio Marañón. Madrid, Spain.

Joan Sanchez de Toledo

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Marta Camprubi-Camprubi

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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.

Montse Fontanals

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Nadia Youseff

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Ricardo Munoz

Division of Cardiac Critical Care Medicine The George Washington University School of Medicine Children's National Hospital. Washington, US

Ségolène Bernheim

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

Stefano Congiu

Department of Cardiovascular Surgery, Pediatric Heart Center Hospital Sant Joan de Déu, Barcelona, Spain

Susana Segura

Pediatric Intensive Care Unit Hospital Sant Joan de Déu, Barcelona, Spain

Thursday April 3rd 2025

08:15 - 08:30 h Welcome and Introduction

08:30 - 09:00 h **Basic Physiology and Monitoring**

09:00 - 09:20 h **Cardiopulmonary Interactions**

09:20 - 09:40 h **Mechanical Ventilatory Support**

09:40 - 10:00 h **Cath Data interpretation**

10:00 - 10:30 h *Coffee Break.*

10:30 - 11:00 h **Echocardiography in the CICU (MCC & FOCUS)**

11:00 - 11:30 h **Looking outside the heart**

11:30 - 12:00 h **TEE in the OR & the CICU**

12:15 - 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]
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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]
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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]
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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]
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17:15 - 17:30 h Feedback and closure.