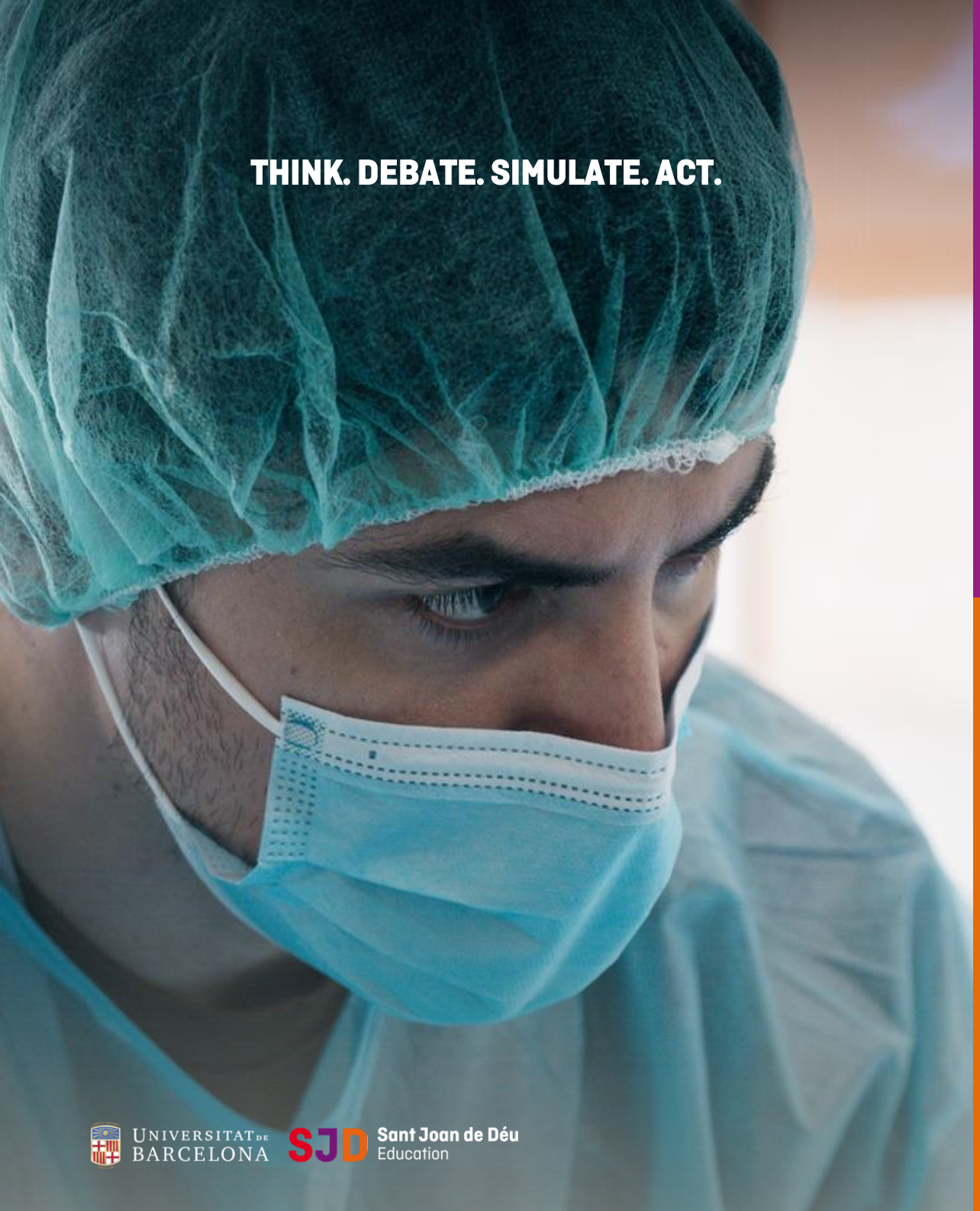

AEPC Cardiovascular Intensive Care Training Course

AEPC
Association for European Paediatric and Congenital Cardiology

4TH Edition

18.03.2027
19.03.2027

HYBRID TRAINING MEETING WITH LIVE SIMULATION
16 teaching hours

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Universitat de Barcelona

SJD Sant Joan de Déu Education

Beyond lectures. Beyond theory. Into real clinical decisions.

Join the **AEPC Cardiovascular Intensive Care Training Course** for a unique, immersive learning experience that brings pediatric cardiovascular critical care to life.

Over **two dynamic days**, challenge your clinical reasoning alongside international experts, engage in thought-provoking debates, witness live clinical demonstrations, and step onto the stage to manage complex scenarios through high-fidelity team simulations.

COURSE DIRECTORS

Nicole Sekarski
Centre hospitalier universitaire vaudois (CHUV)

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On behalf of the AEPC CVICU WG.

Javier Gavela
Great Ormond Street Hospital for Children.
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.
C/ Santa Rosa, 39-57 08950 Esplugues de Llobregat (BCN)

Registration Fees: https://bit.ly/aepc-cardiovascular
Includes course registration fee for 2 days, course material / hands-on, lunch & refreshments during breaks & first-night social event.

- **Juniors (AEPC, ESPNIC) or trainees (residents, fellows):** 300 €
- **Seniors:** 750 €

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

Contacto
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LEARNING METHODOLOGY

- Hybrid & Interactive Learning
- Expert Debates & Controversies
- Live Clinical Demonstrations
- On-Stage Team Simulations
- Small-Group Hands-On Training
- Team-Based Clinical Decisions

EXPERT CREW

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ENDORSED BY:

SECIP Sociedad y Fundación Española de Cuidados Intensivos Pediátricos
AEPC Association for European Paediatric and Congenital Cardiology
SECARDIPED

European **EAACME (SEAFORMEC)** accreditation has been requested

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THURSDAY March 18th, 2027

08:15 - 08:30 h — **OPENING** Course Directors
Explaining the experience and participation rules.

08:30 - 08:48 h — EXPERT TALK — **Beyond the Numbers: What Really Matters?** Montero R
Monitoring and physiology. Which number tell the truth, and which one fool us?

08:50 - 09:08 h — EXPERT TALK — **Heart Meets Lung: It's Complicated** Sánchez-de-Toledo J
A complicated relationship. Who's really in control?

09:10 - 09:28 h — EXPERT TALK — **Hacking the Ventilator to Hack the Heart** Anderson R
How can a single ventilator adjustment change everything?

09:28 - 09:46 h — DEBATE — **Are We Ventilating the Heart to Death?** 3 cardiac intensivists
Three experts debate: are we helping the heart or making things worse?

09:46 - 10:10 h — SIMULATION — **When Ventilation Backfires** Montero R, Anderson R & Sánchez-de-Toledo J
Watch a clinical team take the stage and race to understand what went wrong.

10:10 - 10:30 h — Coffee Break

10:30 - 10:55 h — LIVE SCAN — **Echo That Matters: Where to Look First?** Sekarski N & Tissot C
What would an expert look for first? Live scanning reasoning and tips.

10:55 - 11:20 h — LIVE SCAN — **The Heart Is Not the Whole Story** Yousef N & and Palanca D
Lungs, veins, congestion and VeXUS. The ultrasound beyond the heart.

11:20 - 11:40 h — DEMO ON STAGE — **Don't Go In Blind!** Gavela J and Palanca D
Watch ultrasound-guided procedures come to life through simulation on stage.

11:40 - 12:00 h — DEBATE — **The Echo Trap** 2 intensivists & 2 cardiologists
More images, more information... but better decisions?

12:00 - 12:20 h — COMPETITION — **Beat the Clock: The Post-Op ECG Challenge!** Greco A
Can you choose the right treatment before the clock runs out?

12:20 - 13:20 h — Lunch

13:20 - 13:40 h — SIMULATION — **We Need a Wire! Emergency Transvenous Pacing** Cruzalegui JC
When, why and how to initiate temporary transvenous pacing. Procedure live.

13:40 – 14:00 — DEBATE — **Fewer Arrhythmias, Better Teamwork: Can We Get It Right?**
Can surgeons, cardiologists and intensivists work together?

FRIDAY March 19th, 2027

08:15 - 08:30 h — COMPETITION — **Morning Huddle: Would You Make the Same Call?**
Yesterday's toughest decisions are back. What did we learn?

08:30 - 08:48 h — DEBATE — **Who's Really In Charge?**
Leadership, teamwork and handovers. What goes wrong in CICU?

08:48 - 09:06 h — EXPERT TALK — **What Happens in the OR Doesn't Stay in the OR!** Fdez-Cisneros A
What should every intensivist know before receiving the patient?

09:06 - 09:36 h — DEMO ON STAGE — **ECMO & VAD Troubleshooting: Circuit Fails!** Cho Ng & Gavela J
Watch experts troubleshoot mechanical circulatory support live.

09:36 - 10:00 h — Coffee Break

10:00 - 10:25 h — DEBATE — **ECMO: Too Soon or Too Late?** 2 surgeons & 2 intensivists
When should we escalate? Experts debate timing, selection and no return.

10:25 - 10:38 h — EXPERT TALK — **The Transplanted Heart in Trouble** Calila D
What makes the transplanted heart different?

10:38 - 10:50 h — EXPERT TALK — **Who Does It Better? Post-Norwood Care With or Without AI** Munoz R
The Ultimate Post-Norwood Challenge: Can AI Outperform Human Expertise?

10:50 - 11:10 h — DEMO ON STAGE — **Code Blue! When Do We Reopen and How?** Gavela J & Fdez-Cisneros
When, why and how to perform emergency resternotomy. Live simulation.

11:10 - 11:28 h — EXPERT TALK — **1 Ventricle. 2 Circulations. Finding the Balance.** Gavela J
What happens when the balance is lost?

11:28 - 11:53 h — DEBATE — **Different Physiology. Different Rules.** 2 intensivists & 2 cardiologists
How should management change with cardiac physiology?

11:53 - 12:11 — EXPERT TALK — **Don't Forget the Brain!** Camprubí M
Can we recognise and prevent neurological injury in critically ill patients?

12:11 - 12:31 — SIMULATION — **Sedate? The Haemodynamic Cost of Comfort** Fontanals M
The patient needs sedation, but the circulation is fragile.

12:31 – 13:00 — **CLOSING | The CICU of Tomorrow: Are We Ready?** Munoz N
New technologies, emerging challenges and the future of paediatric cardiac intensive care.

13:00 - 14:00 h — Lunch

ROX ZONE | The Cardiac Intensive Care Skills Arena

14:20 - 15:50 h — ROUND 01 — **Cath data (A) / MCS (B) / Simulation (C) / POCUS & TEE (D)**
4 Stations · 4 Challenges · 4 Teams

15:50 - 16:20 h — RECOVERY ZONE - Coffee Break

16:20 - 17:50 h — ROUND 02 — **Cath data (A) / MCS (B) / Simulation (C) / POCUS & TEE (D)**
4 Stations · 4 Challenges · 4 Teams

20:15 h — Social event

ROX ZONE | The Cardiac Intensive Care Skills Arena

14:00 - 15:30 h — ROUND 03 — **Cath data (A) / MCS (B) / Simulation (C) / POCUS & TEE (D)**
4 Stations · 4 Challenges · 4 Teams

15:30 - 16:00 h — Coffee Break

16:00 - 17:30 h — ROUND 04 — **Cath data (A) / MCS (B) / Simulation (C) / POCUS & TEE (D)**
4 Stations · 4 Challenges · 4 Teams

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