



Neuromonitoring in the critically ill newborn

Webinars

11.12.2026
11.19.2026
11.26.2026

Workshop

12.03.2026

10 teaching hours



Essential for those who care for the smallest and bravest minds from their very first breath

Would you like to master the key tools of neuromonitoring in neonatology? This course offers you a unique opportunity to gain fundamental knowledge and apply it in daily clinical practice with critically ill newborns.

Course directors

Marta Camprubí Camprubí. Neonatologist. Neonatology Department, Hospital Sant Joan de Déu, Barcelona

Ana Alarcón Allen. Neonatologist, Clinical Lead. Neonatology Department, Hospital Sant Joan de Déu, Barcelona

Aimed at

This course is specifically designed for professionals in the following fields:

- Pediatrics
- Neonatology
- Pediatric Neurology
- Nursing

Course fees:

- Webinars: **€75**
- Webinars + Workshop: **€110**

Registration:

<https://bit.ly/neuromonitoring>

Contact

Hospital Sant Joan de Déu Barcelona
Paseo Sant Joan de Déu, 2 08950 Esplugues de Llobregat, Barcelona
Phone: +34 93 253 21 30
Correo electrónico: hospitalbarcelona.formacion@sjd.es

At the end of this training you will be able to:

Interpret the main tools used in neonatal neuromonitoring.

Apply key clinical protocols in the management of the neurocritical newborn.

Correctly place and operate electrodes, sensors, and brain monitoring devices in real or simulated clinical settings.

Prepare a patient for procedures such as MRI without sedation, integrating both technical and infant comfort considerations.

Learning experience

Live Connection The webinar link will be sent 24 hours before the start of the course.



Expert presentations.



E-learning platform



In-person Simulation Workshop [in small groups].



Webinar Sessions

Thursday, November 12, 2026

EEG and aEEG

Fundamentals and Interpretation.

Dra. **Mar Velilla.** Neonatologist. Neonatology Department, Hospital Sant Joan de Déu, Barcelona.

14:00 -
16:00 h

Scenarios: HIE, seizures, preterm infant, and critically ill patient.

Dra. **Ana Alarcón.** Clinical Lead. Neonatology Department, Hospital Sant Joan de Déu, Barcelona

European accreditation requested from EAACME (SEAFORMEC)

Thursday, November 19, 2026

NIRS

Fundamentals and Interpretation.

Dra. **Débara Cañizo.** Neonatologist. Neonatology Department, Hospital Sant Joan de Déu, Barcelona.

14:00 -
16:00 h

Scenarios: Critically Ill Patient, HIE, and Preterm Infant.

Dra. **Marta Camprubí.** Neonatologist. Neonatology Department, Hospital Sant Joan de Déu, Barcelona.

Dra. **Ruth del Río.** Neonatologist. Neonatology Department, Hospital Sant Joan de Déu, Barcelona.

Thursday, November 26, 2026

Neuroimaging in Neonatology

Ultrasound and Doppler. Indications for MRI and CT.

Scenarios: Critically ill patient, HIE, and preterm infant.

14:00 -
16:00 h

Dra. **Thais Agut.** Neonatologist. Neonatology Department, Hospital Sant Joan de Déu, Barcelona.

Dra. **Núria Carreras.** Neonatologist. Neonatology Department, Hospital Sant Joan de Déu, Barcelona.

Workshop

Thursday, December 3, 2026

1. Electrodes, sensors and devices.
2. Hypothermia.
3. Case studies [from theory to practice].
4. Preparation for MRI without sedation.

09:00 -
13:00 h

Dr. **Ana Alarcón**, Dr. **Mar Velilla**, Dr. **Débara Cañizo**, Dr. **Marta Camprubí**, Dr. **Ruth del Río**, Nurse **Carla Bellido**, Nurse **Anna Salines** and Nurse **Patricia Galdeano.** Neonatology Department, Hospital Sant Joan de Déu, Barcelona.