



# ESPNIC NIV course in pediatric and neonatal acute setting

**Course  
Blended**

**Online**  
From 08.04 to  
11.05.2026

**In person**  
10.01.2026  
10.02.2026

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**SJD** Sant Joan de Déu  
Education

## Theoretical-Practical Course in Pediatric and Neonatal Noninvasive Ventilation

This blended learning course is designed to provide basic training in non-invasive ventilation (NIV) applied to Pediatrics and Neonatology, following the recommendations of the Respiratory Working Group of the Spanish Society of Pediatric Intensive Care.

### Addressed to

This course is specifically designed for professionals dedicated to:

- Paediatric Pneumologists
- Paediatric Intensivists
- Paediatric Anesthesiologists
- Nurses
- Respiratory physiotherapists

### Address

**Dr. Marti Pons Òdena.** Senior specialist. Intensive Care Unit. SJD Barcelona Children's Hospital.

### Location

#### Education SJD Barcelona.

Santa Rosa Street, 39-57  
08950 Esplugues de Llobregat (Barcelona)  
Tel. 93 253 21 30

#### Registration fee:

- **Doctors: € 700**
- **Nurses: € 500**

Registration: [bit.ly/ESPNIC\\_english](https://bit.ly/ESPNIC_english)



European EAACME (SEAFORMEC) accreditation requested

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

**To acquire fundamental knowledge on noninvasive ventilation (NIV)** applied to pediatric and neonatal patients in acute situations, based on the recommendations of the Respiratory Working Group of the Spanish Society of Pediatric Intensive Care.

**Develop practical skills** in the use of different NIV ventilator models, allowing participants to manage real clinical cases with a personalized and simulation-based approach.

**To master the clinical application of NIV** in common respiratory pathologies in infancy and neonatology, improving the quality of care and clinical outcomes in critical situations.

**Encourage teamwork and collaboration** among participants by working in small groups, where NIV techniques will be applied in practical and real clinical scenarios.

**To continuously evaluate the trainee's progress** during the training, ensuring that the acquired knowledge is transformed into effective practical skills for the management of NIV in pediatric and neonatal care.

## The registration fee includes

- Online course documentation.
- Access to the teletraining platform to complete the online phase. (this part is not accredited).
  - Currently only available in **English**.
  - External platform of the ESPNIC.
- Business lunches and coffee breaks.
- Certificate and diploma of attendance.

## Online content

**From 4 August to 5 November 2026**

### UNIT 1.

Video lectures: Introduccion.

- Evidence of NIV.
- Physiology.
- ICEMAN.
- Nursing.

### UNIT 2.

Video lectures: Setting it up.

- HNFC.
- Indications / Contradictions.
- Equipment for CPAP.
- Equipment for BLPAP.
- Humidification and nebulisation.

### UNIT 3.

Video lectures: Modes.

### UNIT 4.

Video lectures: Analysis.

### UNIT 5.

Video lectures: Transport.

### UNIT 6.

Video lectures: Neonatology.

### UNIT 7.

Assessment.

The online content is in English only and is not accredited.


## Thursday, October 1, 2026

**08:15 - 08:45 h** Registration and introduction.  
Dra. **Marti Pons Odena**. Intensive Care Unit. Hospital Sant Joan de Déu Barcelona.

**08:30 - 09:10 h** Acronym ICEMAN.

**09:10 - 09:30 h** Indications and contraindications.

**09:30 - 10:30 h** Practice selecting interface and equipment.

**10:30 - 11:00 h** Coffee break 

**11:00 - 11:30 h** Hands-on modes.

**11:30 - 12:30 h** ICEM infant scenario.

- NIV with home ventilator.

**12:30 - 13:15 h** ICEM infant scenario.

- NIV with specific NIV ventilator.


**13:15 - 14:15 h** Lunch 

**14:15 - 15:00 h** ICEM infant scenario.

- NIV with conventional ventilator.

**15:00 - 16:00 h** ICEM infant scenario.

- HFNC versus CPAP in infant/neonate.

**16:00 - 16:15 h** Coffee break 

ICEM Infant Care Station.

**16:15 - 17:15 h** **Group 1.** Bilevel with specific VNI fan.

**Group 2.** Bilevel in NIV with conventional ventilator.

ICEM Infant Care Station.


**17:15 - 18:15 h** **Group 1.** Bilevel with specific VNI fan.

**Group 2.** Bilevel in NIV with conventional ventilator.

## Friday, October 2, 2026


**08:00 - 09:00 h** Failure analysis. Asynchrony in NIV.  
Fundamentals of NAVA.

**09:00 - 09:15 h** Basic rules for learning with advanced simulation.

**09:15 - 09:45 h** Coffee break 

**09:45 - 11:15 h** Failure analysis (hypoxemia/hypercapnia).

**11:15 - 13:30 h** ICEMAN practical station: Advanced simulation.

**13:30 - 14:30 h** Lunch 

**14:30 - 16:45 h** ICEMAN practical station: Advanced simulation.

**16:45 - 17:00 h** Conclusions and closing of the course.