



ESPNIC NIV course in pediatric and neonatal acute setting

**Course
Blended**

Online

From 01.12 to
04.13.2027

In person

03.11.2027
03.12.2027

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 Pneumonologists
- 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



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 January 12 to April 13, 2027

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, March 11, 2027

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.	

Friday, March 12, 2027

	ICEM Infant Care Station.	
17:15 - 18:15 h	Group 1. Bilevel with specific VNI fan. Group 2. Bilevel in NIV with conventional ventilator.	
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.	