

## Presentation

Working respiratory group of the Spanish Pediatric Intensive Care Society (SECIP) has developed during the last eleven years many workshops and courses for clinicians and nurses in order to spread NIV use among its members. In 2012, an European NIV course with many NIV experts, members of the ESPNIC respiratory group was started.

The main objective of this course is to provide a wide knowledge in this technique and also guarantee that attendees achieve appropriate skills to implement it in their own Units.

This course will provide previous on-line theoretical basis for NIV care. Reading Dr Medina's book "NIV in Pediatrics" in the previous month of the course is recommended. Main chapters and lectures based in the third edition will be available on-line.

**The e-learning platform must be read in order to assure that attendees will be able to practice their skills during the course.**

**Do the on-line exam is mandatory to attend the face to face phase. All the attendees will receive an attendance certificate, but passing the skills exam and the second on-line exam after the face to face phase is mandatory to obtain a certificate of approval.**

NIV attendees should be able at the end of the course to select their own best option among of all the material available, and to develop appropriate protocols adapted to their Units.

A secondary objective of this course is to recruit local NIV clinical champions willing to become trainers and committed to organize NIV courses in several European countries.

In order to maintain high level of quality and homogeneity among the different future courses, those pediatric intensivists or anesthesiologists with clinical experience on NIV who are interested to become NIV trainers of these ESPNIC NIV courses are requested to pass this course and an additional specific NIV trainer's course.

### Target audience:

- Paediatric Pneumonologists
- Paediatric Intensivists
- Paediatric Anesthesiologists
- Nursing staff

### Endorsement:

- Grupo de Respiratorio de la Sociedad Española de Cuidados Intensivos Pediátricos (Spanish Pediatric Intensive Care Society)
- European Society of Paediatric and Neonatal intensive care (ESPNIC)

Registration fee: doctors 700€, nurses/resp therapists 500€

Lunch and coffee breaks included

Limited access: 16 attendees (10 doctors; 6 nurses/resp. therapists)



### Invited Faculty:

**Dr Christophe Milési**

PICU Hôpital Arnaud de Villeneuve. Montpellier. France

**Dr Nilüfer Yalindag**

PICU. Hospital Marmara. Istanbul. Turkey

**Dr Martí Pons-Odena**

**Nurse: Wooi Tan/ Raquel Arroni**

PICU Hospital Sant Joan de Déu. Barcelona. Spain

# ESPNIC NIV course in Pediatric and Neonatal acute setting

Course Director  
Dr. Martí Pons Òdena

October, 24-25th. 2024

Organization  
PICU Hospital Sant Joan de Déu

Place  
Teaching building HSJD

## October 24th

**08:15 - 08:45 h** Register and introduction.

**08:45 - 09:10 h** Methods: ICEMAN acronym.

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

**09:30 - 10:30 h** Hands-on Equipment.

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

**11:00 - 11:30 h** Modes.

**11:30 - 12:30 h** Scenario ICEM pediatric1-3 (3 groups).

- NIV with home ventilator.
- NIV with NIV specific ventilator.
- NIV with conventional ventilator.

**12:30 - 13:15 h** Scenario ICEM 1-3.

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

**14: 15 - 15:00 h** Scenario ICEM 1-3.

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

- HFNC versus CPAP in infant/neonate

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

**16:15 - 17:15 h** Skill station ICEM infant(2 groups).

- Bilevel in infant with NIV specific ventilator.

- Bilevel in infant NIV with conventional ventilator.

**17:15 - 18:15 h** Skill station ICEM infant(2 groups).

- Bilevel in infant with NIV specific ventilator.
- Bilevel in infant NIV with conventional ventilator.

## October 25th

**08:00 - 09:00 h** Analysis of failure. Asynchrony in NIV. Basics of NAVA.

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

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

**09:45 - 11:15 h** Analysis of failure (*hypoxemia/hypercapnia*).

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

**12:00 - 13:00 h** Skill station ICEMAN: Advanced simulation.

*13:30 – 14:30 h Lunch-break*

**14:00 - 16:45 h** Skill station ICEMAN: Advanced simulation.

**16:45 - 17:00 h** Remarks and formal closing.