

Presentation

Working respiratory group of the Spanish Pediatric Intensive Care Society (SECIP) has developed during the last thirteen 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. The second edition is available in internet for free. Third edition is available from a non-profit organization www.investforchildren.org that gives support to our project of spreading NIV technique around the world.

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 500€, nurses/resp therapists 300€

Lunch and coffee breaks included

Limited acces: 28 attendees (20doctors; 8nurses/resp. therapists)



Send to: aula@sjdhospitalbarcelona.org

Invited Faculty:

Dr Juan Mayordomo

PICU Hospital Universitario Central de Asturias. Oviedo.Spain

Dr. Martí Pons-Odena

PICU Hospital Sant Joan de Déu. Barcelona. Spain

DUE Wooi Tan

Transport team. SEM Hospital Sant Joan de Déu. Barcelona. Spain

ESPNIC NIV course in Pediatric and Neonatal acute setting

Course Director
Dr. Martí Pons Òdena

October, 4-5th. 2018

Organization
PICU Hospital Sant Joan de Déu

Place
Teaching building HSJD

On-line available
www.formacionsanitaria.eu

• VIDEO LECTURES

- Introduction lesson
0. Noninvasive respiratory support: Nasal High Flow, CPAP 20 min
1. Evidence in Non-invasive ventilation 20 min
1. Physiology applied to NIV 20 min
2. Summary. Introduction to ICEMAN 10 min
3. Indications and Contraindications of NIV 15-20 min
4. Equipment
- 4.0 Lecture CPAP (Interfaces, circuits and ventilators) 20 min
- 4.1 Lecture Bilevel(Interfaces, circuits and ventilators) 20 min
- 4.2 Humidification and nebulization 10 min
- 4.3 Handson session CPAP 40 min
- 4.4 Handson session Bilevel 40 min
5. Links to tutorials on Youtube (Calibration of V60, for example)
6. Modes 20 min
- 6.1 Setting PS in conventional ventilator 10 min
- 6.2 Setting S/T in NIV specific ventilator 10 min
- 6.3 Using Bilevel in infants younger than 3 months
- 6.4 Links to tutorials on Youtube (settings of V60, for example)
7. Monitoring and predictive factors of failure
8. Analysis of failure
- 8.1 Inspiratory asynchrony 20 min
- 8.2 Expiratory asynchrony 20 min
- 8.3 Hypoxemia 40 min
- 8.4 Hypercapnia 20 min
9. Next Steps
- 9.1 Switching from NIV to intubation 10 min
- 9.2 Weaning of NIV 10 min
- 9.3 Transitioning to Home NI 20 min
10. Nursing, Respiratory therapist point of view 20min
11. Neonatal 20min
12. NIV in Transport 20min

October 4th

8:30-9:00 Registration and welcome coffee
9:00 –9:25h Methods: ICEMAN acronym
9:25-9:45: Indications and Contraindications
9:45- 10:45h Hands-on Equipment(2 groups)

10:45-11:15h Coffee-break

11:15-11:45 Modes
11:45-12:45 Scenario ICEM pediatric1-3 (3 groups)
NIV with home ventilator
NIV with NIV specific ventilator
NIV with conventional ventilator
12:45-13:30 Scenario ICEM 1-3

13:30- 14:30 Lunch-break

14: 30 – 15:15 Scenario ICEM 1-3
15:15-16:15 Scenario ICEM infant.
HFNC versus CPAP in infant/neonate

16:15-16:30 Coffee-break

16:30 -17:30
Skill station ICEM infant(2 groups):
Bilevel in infant with NIV specific ventilator 20min
Bilevel in infant NIV with conventional ventilator
17:30-18:30
Skill station ICEM infant(2 groups): 20 min
Bilevel in infant with NIV specific ventilator
Bilevel in infant NIV with conventional ventilator

October 5th

9:00-10:00 Analysis of failure. Asynchrony in NIV. Basics of NAVA

10:00-10:15 Basic rules for playing advanced simulation

10:15-10:45 Coffee-break

10:45-12:15h Analysis of failure (hypoxemia/hypercapnia)

12:15-13:00 Skill station ICEMAN: Advanced simulation

13:00- 14:00 Skill station ICEMAN: Advanced simulation

14:00 – 15:00 Lunch-break

15:00- 18:00 Skill station ICEMAN: Advanced simulation

18:00 Remarks and formal closing

ESPNIC NIV course PEDIATRIC & NEONATAL ACUTE SETTING

First Name

Family name

Address

Postal Code

City

Phone

E-mail

Send to: aula@sidhospitalbarcelona.org

Payment after admission's confirmation