

# ESPNIC Course

NIV for Neonates & Children in Acute Settings  
**1st & 2nd September 2016**

## Hosted by

Dr Lynda Verhulst, Paediatric Intensive Care Unit,  
King's College Hospital NHS Foundation Trust, London

## Venue

Postgraduate Conference Centre, Weston Education Centre  
Cutcombe Road, London SE5 9RJ.

## Invited Faculty

Dr. Martí Pons-Odena, University Hospital Sant Joan de Déu, Barcelona, Spain.  
Dr. Alberto Medina, University Hospital Central de Asturias, Oviedo, Spain.

**RCPCH CPD** points applied for

## The Course

Non-invasive ventilation (NIV) has been widely used for some time in paediatrics for chronic conditions, including in the home setting.

In recent years, non-invasive ventilation has been used increasingly in the acute setting, both as a safe alternative in selected cases to invasive ventilation in the paediatric intensive care setting, but also more and more in the delivery of high dependency care in general paediatric settings.

The 2014 document by RCPCH and PICS; "High Dependency Care For Children—Time To Move On" sets out the recommendation that district general hospitals should be expected to be able to provide acute non invasive ventilation for up to 48 hours.

Over 10 years, the Spanish Pediatric Intensive Care Society (SECIP) respiratory working group, has developed workshops and courses to educate and encourage NIV for acute patient care. This training has been combined with the expert knowledge of the European Society of Paediatric and Neonatal Intensive Care (ESPNIC) respiratory group, resulting in 2012 in the ESPNIC Course of "NIV for Neonates and Children in Acute Settings".

The course combines on-line theory and clinical hands-on workshops for NIV care. Course attendees will be expected to read the online material prior to attendance. In the workshops, the attendees will rotate through three skill stations (paediatric, infant, and neonates) to become familiar with the importance of interface and ventilator choice, setting modalities, parameters and respiratory monitoring. Additionally, failure analysis will be explained with interactive clinical cases during skill stations.

## Who should attend:

- Paediatricians & Neonatologists
- Paediatric Pulmonologists
- Paediatric Intensivists
- Nurses
- Physiotherapists

## Endorsed by:

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)



## Online material:

Pre-course reading available from 1-7-2016 at: [www.formacionsanitaria.eu](http://www.formacionsanitaria.eu)

## Lectures to include:

1. Physiology
2. Skill station material
3. Modes of ventilation
4. How to start non invasive ventilation
5. Ventilation curves
6. Synchrony
7. Humidification
8. Monitoring and predictive factors of failure

## Course schedule 2016

### Thursday 1st September

- 8.00 - 8.30 Registration  
8:30 - 8:45 Welcome and introductions  
8:45 - 10:00 Material needed for NIV  
10:00 - 10.30 Coffee-break  
10:30 - 12:30 Skill station: Paediatric NIV (3 groups)  
12:30 - 13:30 Lunch  
13:30 - 15:00 Skill station: Infants (3 groups)  
15.00 - 15.30 Coffee break  
15:30 - 17:00 Skill station: Neonates (3 groups)  
17.00 - 17:30 Nursing staff's/physiotherapists' perspective  
17:30 - 18:00 Clinical scenarios with NAVA mode

### Friday 2nd September

- 8:00 - 8:30 Curves' analysis and information provided  
8:30 - 9:00 Monitoring & predictive factors for failure  
9:00 - 10:00 Bronchiolitis, pneumonia, asthma, post-extubation respiratory failure and ARDS as indications for NIV.  
10:00 - 10:30 Coffee-break  
10:30 - 11:30 Failure analysis (asynchrony)  
11:30 - 12:30 Failure analysis (hypoxemia/hypercapnia)  
12:30 - 13:30 Lunch  
13:30 - 14:30 Summary and algorithms  
14:30 - 16:30 Skill station: Failure analysis  
16:30 - 17:00 Closure

## Course fees

### Up to 1st June 2016, Early Bird Rate

Cost for on-line lectures:  
£100

Cost for course  
attendance: £200

Total: £300

### From 1st June 2016 to 31st August 2016

Cost for on-line lectures:  
£120

Cost for course  
attendance: £260

Total: £380

## How to apply for a place (please fill out the registration information)

Your name:

Your title:

Your role:

Your organisation:

Your email:

**And send these registration details to:** [kch-tr.conferencecentre@nhs.net](mailto:kch-tr.conferencecentre@nhs.net)

Once registration is received, confirmation of a place will follow, as well as further information regarding the payment details. Once payment is received, access to the online pre course material will be provided. Please note that **places are limited to a maximum of 24**, due to the interactive nature of this course.