



SCIENTIFIC PROGRAMME

DAY 1 – THURSDAY, MARCH 8th

INTEGRATING NAVA INTO YOUR CLINICAL PRACTICE: AN INTERACTIVE AND EDUCATIONAL EXPERIENCE

Limited seats: 50

Welcome and Introduction

08.30 – 09.30

Synchrony in Neonatal Ventilation - *Kim Firestone, MS, RRT*

Objectives:

- Discuss the importance of synchrony in ventilation
- Discuss the types of ventilatory asynchrony
- Describe the various types of triggers including pressure, flow and neural triggers
- Learn about the components of the Edi signal

09.30 – 09.40

COFFEE BREAK

09.40 – 10.40

Literature and Data Review of NAVA – *Howard Stein, MD*

Objectives:

- Describe normal Edi values for term and preterm neonates
- Discuss short term outcomes of neonates on NAVA ventilation
- Discuss the effect of NAVA ventilation on patient comfort and work of breathing
- Present data on long term outcomes of neonates on NAVA ventilation

10.40 – 10.50

COFFEE BREAK

10.50 – 13.20

Set up, Initiation and Management of NAVA – *Howard Stein, MD;*

Kim Firestone MS, RRT

Objectives:

- Describe how to place a NAVA catheter correctly
- Discuss how to choose initial settings for NAVA and NIV NAVA in the neonate



- Describe how set and use apnea time, peak pressure limit and the NAVA level
- Discuss how to adjust NAVA settings depending on the patient response
- Discuss how to wean NAVA
- Discuss pitfalls of NAVA ventilation

13.20 – 14.20 LUNCH BREAK

14.20 – 15.20 Advanced NAVA Management– Howard Stein, MD

Objectives:

- Discuss challenging cases
 - a. Patients with malignant apnea
 - b. Patients with BPD
- Discuss non-ventilatory uses for the Edi positioning screen

15.20 – 15.30 COFFEE BREAK

15.30 – 16.30 Round Table discussion

Objectives:

- Answer questions about challenges in the application of NAVA
 - a. Discuss plan to bring NAVA into their NICU
- Network with other physicians
- Establish collaborative groups to work together to bring NAVA into NICUs successfully

16.30 CLOSURE OF THE COURSE



DAY 2 - FRIDAY, MARCH 9th

08.00 Registration

08.45 Opening address

09.00 **OPENING LECTURE**

President: Mauro Stronati (I)

The worldwide challenge of sepsis in newborns and children
Nirajan Kissoon (CA)

09.30 **1° SESSION – RESUSCITATION**

Chairs: Costantino Romagnoli (I), Andrea Dotta (I)

09.30 *Resuscitation of extremely premature infants: how to improve even further*
Jeffrey Perlman (USA)

10.00 *Maintaining normal temperature in the newly born: not a trivial game*
Jonathan Wyllie (UK)

10.30 Interactive discussion

11.00 **COFFEE BREAK & EXHIBITION VISITS**

11.30 **2° SESSION – SURFACTANT**

Chairs: Fabrizio Sandri (I), Carlo Dani (I)

11.30 *Present and future of surfactant administration in preterm infants with RDS*
Angela Kribs (D)

12.00 *NCPAP, surfactant, or both? A dilemma still waiting to be solved*
Daniele De Luca (F)



12.30 Interactive discussion

13.00 LUNCH & EXHIBITION VISITS

14.00 3° SESSION – FREE COMMUNICATIONS

Chairs: Mario Barbarini (I), Eloisa Gitto (I)

15.00 4° SESSION – VENTILATION

Chairs: Fabio Mosca (I), Paolo Tagliabue (I)

15.00 *Non-invasive respiratory support and RDS: is N-CPAP always enough?*
Gianluca Lista (I)

15.30 *NAVA, neurally adjusted ventilatory assist in the newborn: a new standard of care?*
Howard Stein (USA)

16.00 *High-frequency, multifrequency oscillation, jet ventilation: where are we?*
Jane Pillow (AUS)

16.30 Interactive discussion

DAY 3 - SATURDAY, MARCH 10th

09.00 LECTURE

Chair: Eugenio Baraldi (I)

09.00 *Survival and neurodevelopmental outcome in periviable infants*
Noelle Younge (USA)

09.30 5° SESSION - INFECTIONS

Chairs: Luigi Orfeo (I), Pier Michele Paolillo (I)



- 09.30 *Pathophysiology and treatment of septic shock in neonates*
Hector Wong (USA)
- 10.00 *Metabolomics and neonatal sepsis: fact or fiction?*
Vassilios Fanos (I)
- 10.30 Interactive discussion
- 11.00 COFFEE BREAK & EXHIBITION VISITS**
- 11.30 6° SESSION - NUTRITION**
Chairs: Massimo Agosti (I), Mario De Curtis (I)
- 11.30 *Optimizing early nutrition support in VLBW infants*
Thibault Senterre (B)
- 12.00 *Long-term adverse effects of early growth acceleration or catch-up growth*
Atul Singhal (UK)
- 12.30 Interactive discussion
- 13.00 LUNCH & EXHIBITION VISITS**
- 14.00 7° SESSION – FREE COMMUNICATIONS**
Chairs: Giovanni Vento (I), Angelo Pietrobelli (I)
- 15.00 8° SESSION – HIGH-TECH MONITORING**
Chair: Diego Gazzolo (I), Francesco Raimondi (I)
- 15.00 *Role of near infrared spectroscopy during neonatal transition*
Berndt Urlsberger (A)
- 15.30 *Susceptibility weighted imaging helping brain neonatal intensive care*
Luca Ramenghi (I)



- 16.00 *Heart rate characteristics as physiomarkers for detection of sepsis and other diseases*
Karen D. Fairchild (USA)
- 16.30 *Enhanced cardiorespiratory monitoring of the preterm infant during stabilization in the delivery room*
Eugene M. Dempsey (IRL)
- 17.00 *Interactive discussion*
- 17.30 CLOSURE OF THE WORKSHOP**