

Title: Invasive and Non-Invasive Ventilation

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Date and time: June 5th, 0830 to 1700

Location: MTCC 715B

Objectives This workshop will provide theoretical basis for mechanical ventilation and also non-invasive ventilation's care. Afterwards, hands-on sessions (invasive and non-invasive) will be available in order to learn the basic skills. The workshop will end reviewing the importance of synchrony in all ventilated patients

Target Audience: Neonatologists, trainees, pediatric pulmonologists, pediatric Intensivists, respiratory therapists and nursing staff

Programme

0830-1000 Theoretical background

0830-0915 Basic mechanics to be known for ventilating a patient Peter Rimensberger

0915-1000 Basic concepts on NIV Martí Pons

1000-1030 Coffee break

1030-1300

Group A:

1030-1145 How to choose tidal volumes and airway pressures according the patients conditions (lecture with illustrations) Peter Rimensberger

1145-1300 Hands-on on NIV-ventilators and interfaces Martí Pons

Group B:

1030-1145 Hands-on on NIV-ventilators and interfaces Martí Pons

1145-1300 How to choose tidal volumes and airway pressures according the patients conditions (lecture with illustrations) Peter Rimensberger

1300-1345 Lunch break

1345-1445 Hands-on sessions I

Group A: Skill station NIV

- NIV Common pediatric scenarios at hospital Martí Pons

Group B: Skill station invasive ventilation

- Optimising invasive ventilation Peter Rimensberger

1445-1545 Hands-on sessions II

Group A: Skill station invasive ventilation

- Optimising invasive ventilation Peter Rimensberger

Group B : Skill station NIV

- NIV Common pediatric scenarios at hospital Martí Pons

1545-1600 Coffee break

1600-1700 Patient-Ventilator Synchronization

1600-1630 Lecture: Basics of and advanced methods for patient-ventilator synchrony
Peter Rimensberger

1630-1700 Interactive session on patient-ventilator
synchrony (including video demonstrations) Martí Pons