

## **PRE-CONGRESS COURSES**

- Patient ventilator asynchrony and noninvasive ventilation
- Airway clearance
- Lung ultrasound: clinical aspects and problem solving
- Tracheostomy in the community setting (adults)
- Training management of tracheostomy with advanced simulation to parents and caregivers (pediatrics)

## **MAIN CONGRESS - CHRONIC CARE**

### **Plenary session: Home mechanical ventilation and daily life**

- Sexuality in neuromuscular disorders
- Travelling with home mechanical ventilation (clinician and patient's perspective)
- Pregnancy and chronic respiratory failure under noninvasive ventilation
- Sports and disability

### **Plenary session: Patient's and caregiver's perspectives, home setting**

- Round table

### **Plenary session: Community care perspective: round table on management of home mechanical ventilation**

### **Plenary session: End of life care**

- End of life issues: withdrawing the ventilator, and if so, when?; adapting settings, managing family and patient expectations
- Invasive ventilation and end-of-life: advanced care planning, withdrawing ventilatory support
- Managing dyspnea in end-stage chronic respiratory failure
- Communication with patients and family during end-of-life care in neuromuscular disorders

### **Plenary session: Monitoring long term noninvasive ventilation Session 2**

- Role of bicarbonates in follow-up under noninvasive ventilation or as a diagnostic tool
- New tools in monitoring noninvasive ventilation: thoracic and abdominal belts, surface EMG (titration and PVA)
- What do sleep studies add to ventilator data monitoring?

### **Plenary session: Telemedicine**

- Télémontoring in home mechanical ventilation: update from the ERS task force
- What do the latest randomized controlled studies add?
- E-patients: what do you need to feel comfortable with telemedicine?
- Teleconsultation in home mechanical ventilation

### **Plenary session: High Flow Therapy**

- High flow oxygen therapy (HFO) and stable COPD: is there a place in the home setting?
- HFO and chronic respiratory failure: when, how and for whom?
- HFO and acute respiratory failure: when, how and for whom?
- HFO and noninvasive ventilation or HFO or noninvasive ventilation?

### **Plenary session: Invasive ventilation**

- Tracheostomy ventilation in Amyotrophic lateral sclerosis: indications, advantages/disadvantages
- Differences in long-term outcomes between invasive and non-invasive home mechanical ventilation
- How to improve speech and swallowing during invasive home mechanical ventilation
- Enablement of invasive home mechanical ventilation patients in the community: a UK experience
- Patients' experiences

## **Plenary session: Noninvasive ventilation in COPD**

- Initiating long term mechanical ventilation in hypercapnic COPD: when?
- Long term noninvasive ventilation for COPD patients: outcome measurements and results
- Starting noninvasive ventilation at home in COPD
- Noninvasive ventilation in COPD: in which patients does it not work and what to do about specific problems such as deventilation dyspnea

## **Plenary session: Noninvasive ventilation in neuromuscular disorders (Session 2)**

- Medical challenges related to prolonged survival of neuromuscular disorders patients
- Focus on patient and next of kin: neuromuscular disorders patient with learning disability, children of neuromuscular disorders patients under LTMV, patient employment
- Challenges of continuous noninvasive ventilation : patients and experts. Round table

## **Plenary session: Noninvasive ventilation in rehabilitation**

- Ventilatory support in rehabilitation: which device (High flow oxygen therapy vs noninvasive ventilation), when, for whom?
- Respiratory muscles : assessment and training
- Barriers et levers to pulmonary rehabilitation
- Pulmonary telerehabilitation

## **Plenary session: Training of the caregivers**

- Home mechanical ventilation: website resources
- The patient's and caregiver's perspectives and training, personalising training, caregiver training
- Development of carer training videos, use of digital tools, virtual reality training and e-competency documents

## **Plenary session: Airway clearance (session 1): mechanical insufflation-exsufflation: how we do it?**

- Persons with neuromuscular disorders
- Pediatric patients
- Airway clearance in challenging cases
- Patient perspective

## **Plenary session: Airway clearance (session 2)**

- Assessments to initiate airway clearance techniques
- Sputum rheology – does it matter in airway clearance?
- Updated techniques and devices for secretion management according to the disease
- Change of mechanical insufflation-exsufflation (MIE) era: from now on

## **Plenary session: Into the matrix**

- What does the analysis of big data bring to our clinical practice?
- Artificial intelligence and noninvasive ventilation: perspectives

## **Meet the expert sessions and workshops**

- PtcCO<sub>2</sub>: practical aspects
- Mouthpiece ventilation: technical and practical aspects
- Simulation based training: interactive workshop
- Decanulation in the acute and chronic settings
- Physiological effects of lung volume recruitment: improving thoracic range of motion
- Medical supply disruption: the example of tracheostomy tubes

## **MAIN CONGRESS - ACUTE CARE**

### **Plenary session: acute respiratory failure and invasive mechanical ventilation**

- ARDS - state of the art in the post-pandemic era
- Rescue therapies in acute respiratory failure
- Monitoring and managing dyspnea in intubated patients

### **Plenary session: Win-Wean**

- Profiling the difficult to wean patient
- Strategies for difficult weaning
- Tube removal & transition from invasive mechanical ventilation to noninvasive ventilation

### **Plenary Session : Noninvasive support**

- Choosing our tools wisely; which tool for whom?
- Collaboration acute-chronic : what can be learned?
- Role of multidisciplinary teams in acute care and after

### **Plenary session: New insights in noninvasive support in acute care**

- Organisation and roles in the multidisciplinary team
- Common problems encountered with tracheotomy
- Strategic decisions & key moments

### **Plenary session : Respiratory Muscles**

- Inspiratory effort under different breathing conditions in the critically ill
- Respiratory muscle evaluation
- Inspiratory muscle training

### **Plenary session : Early mobilisation & rehabilitation**

- To do or not to do: the jury is still out!
- Mobilisation and rehabilitation techniques in the intensive care unit

### **Plenary session : Airway clearance in acute care**

- Cough assessment
- Secretion management ( humidification, pharmacology ...)
- Instrumental airway clearance in critical care (MI/E : physiology, wave form interpretation, settings optimisation)

### **Plenary session : Bedside monitoring in intensive care unit**

- Lung ultrasound
- Monitoring respiratory effort & ventilatory distribution during mechanical ventilation :  
Methods - old & new

## **MAIN CONGRESS - PEDIATRIC CARE**

### **Plenary session: Acute care**

- Step up and step down
- How to monitor & predictors of failure
- Long-term stay in pediatric intensive care unit
- Bronchopulmonary dysplasia: making a decision between noninvasive ventilation and tracheostomy

### **Plenary session: Neuromuscular disorders**

- How to ventilate them
- How new therapies have changed management
- How to prevent thoracic deformities
- How to cope with daily life

### **Plenary session: Sleep**

- Sleep in neurodisabilities
- Chronic congenital hypoventilation syndrome: how to treat these patients
- Obstructive sleep apnea in neuromuscular disorders
- Central apnea: how to treat it

### **Plenary session: Invasive ventilation**

- Technical aspects in tracheostomy
- Indications for invasive home mechanical ventilation
- Pediatric tracheostomy management of secretions, swallowing, speaking

### **Joint Session**

- Transition from pediatrics to adult care

### **Workshops**

- Instrumental airway clearance techniques: electrical impedance tomography with MIE; PEP mask; other techniques; instrumental airway clearance techniques in cerebral palsy
- Home monitoring: built-in software, telemedicine, PtcCO<sub>2</sub>
- Palliative / chronic care