

**FOUNDATION COURSE (INTRODUCTORY)
IN ACUTE RESPIRATORY FAILURE & MECHANICAL VENTILATION**

April 3-4, 2025

** The event is scheduled according to Central European Time*

Day 1, April 3, 2025

Interaction facilitator: B. Fazzini

09:00 Welcome/Objectives of the Day/ Ice-breaking activity *L. Camporota & O. Roca*

SESSION 1: Fundamental of Applied Respiratory Physiology and non-invasive Support

Moderators: O. Roca & T. Pham

09:25 Gas exchange: Oxygenation *T. Mauri*

10:10 Gas exchange: CO₂, Deadspace, and capnography *F. Collino*

10:40 The 3W's Break (Walk, Window, Water)

10:45 Equation of motion for passive breathing *R. Coudroy*

11:15 BREAK

11:30 Fundamentals of respiratory mechanics *L. Camporota*

12:15 The 3W's Break (Walk, Window, Water)

12:20 Fundamentals of HFNC and non-invasive respiratory support *D. Grieco*

12:50 Q&A

13:00 LUNCH

14:00 Welcome back *L. Camporota & O. Roca*

SESSION 2: Fundamental of Invasive Mechanical Ventilation and Monitoring

Moderators: D. Grieco, L. Roesthuis

14:10 Modes of mechanical ventilation *O. Roca*

14:55 Setting and monitoring assisted ventilation *G. Bellani*

15:30 BREAK

15:45	Ventilatory waveforms and lung volumes	<i>T. Mauri</i>
16:20	The 3W's Break (Walk, Window, Water)	
16:25	Interactive Case study workshop	<i>R. Coudroy</i>
17:25	Wrap up and Q&As	<i>L. Camporota & O. Roca</i>
17:45	END DAY 1	

Preliminary

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April 3-4, 2025

Day 2, April 4, 2025

Interaction facilitator: B. Fazzini

09:00 Welcome/Objectives of the Day *L. Camporota & O. Roca*
Moderators: F. Collino & T. Pham

SESSION 1: Fundamentals of Mechanical Ventilation in ARDS and obstructive airway diseases

09:15 Lung protective ventilation in ARDS in 2025 *L. Camporota*

10:10 The 3W's Break (Walk, Window, Water)

10:15 Prone position: the fundamentals *F. Collino*

10:45 BREAK

11:00 Case study workshop hypoxaemic respiratory failure *D. Grieco*

11:45 The 3W's Break (Walk, Window, Water)

11:50 Fundamentals of Ventilation in asthma & COPD: clinical case-based discussion
M. Garcia-De-Acila

12:50 Q&A

13:00 LUNCH

14:00 Welcome back *L. Camporota & O. Roca*

SESSION 2: Fundamentals of Synchrony and Weaning

Moderators: G. Bellani & M. Garcia-De-Acila

14:05 Basic concepts of patient-ventilation interaction *T. Pham*

14:50 Simple weaning: assessing readiness *L. Roesthuis*

15:15 Managing patients: from SBT to post-extubation *O. Roca*

15:45 BREAK

16:00 Case study workshop: asynchronies and weaning *T. Pham*

17:00 The 3W's Break (Walk, Window, Water)

17:05 The final contest & Final wrap up

L. Camporota & O. Roca

17:30 END COURSE

Preliminary