



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

April 8-9, 2026

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

Day 1, April 8, 2026

Interaction facilitator: R. La Rosa

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

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

Moderators: T. Mauri & T. Pham

09:20 Gas exchange: Oxygenation *T. Mauri & V. Chiavieri*

10:00 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 Practical demonstration of respiratory mechanics measurements
R. Coudroy & L. Camporota

12:35 Q&A

12:45 LUNCH

13:40 Welcome back *R. Coudroy & O. Roca*

SESSION 2: Fundamentals of Invasive Mechanical Ventilation and Monitoring

Moderators: D. Grieco, L. Roesthuis

13:45 Ventilatory waveforms and lung volumes *F. Collino*

14:20 Modes of mechanical ventilation *O. Roca*

14:55 Setting assisted ventilation *G. Bellani*



15:30	BREAK	
15:45	Fundamentals of HFNC and non-invasive respiratory support	<i>D. Grieco</i>
16:20	The 3W's Break (Walk, Window, Water)	
16:25	Interactive Case study workshop	<i>T. Mauri</i>
17:25	Wrap up and Q&As	<i>R. Coudroy & O. Roca</i>
17:45	END DAY 1	



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Day 2, April 9, 2026

Interaction facilitator: E. Balzani

09:00 Welcome/Objectives of the Day *R. Coudroy & O. Roca*
Moderators: F. Collino & R. Coudroy

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

09:15 Lung protective ventilation in ARDS in 2026 *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 Basic concepts of patient-ventilation interaction *T. Pham*

12:30 Q&A

12:45 LUNCH

13:45 Welcome back *R. Coudroy & O. Roca*

SESSION 2: Fundamentals of Synchrony and Weaning

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

13:50 Fundamentals of Ventilation in asthma & COPD: clinical case-based discussion
M. Garcia-De-Acilu

14:35 Simple weaning: assessing readiness *L. Roesthuis*

15:00 BREAK

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

15:45 Case study workshop: asynchronies and weaning *T. Pham*

16:45 The 3W's Break (Walk, Window, Water)

e-Course endorsed by the Acute Respiratory Failure section, ESICM



16:50 The final contest

Led by E. Balzani & R. La Rosa

17:15 Final wrap up

R. Coudroy & O. Roca

17:30 END COURSE