



The Intensive Connection



**ADVANCED MASTER COURSE (INTEGRATION AND SIMULATION)
IN ACUTE RESPIRATORY FAILURE & MECHANICAL VENTILATION**

**October 2024
Face-to-face, Barcelona, Spain**

DAY 1 – October 5th, 2024: Noninvasive respiratory support in acute hypoxemic failure

Afternoon session

Moderators: L Heunks, L Piquilloud

12:30	Welcome/Objectives of the Day/ Ice-breaking activity	<i>L Heunks, M Antonelli</i>
12:45	P-SILI in non-intubated patients: pathophysiology and monitoring	<i>L Piquilloud</i>
13:10	Physiological effects of HFNO vs NIV	<i>M Antonelli</i>
13:35	Advanced respiratory monitoring during non-invasive support	<i>D Grieco</i>
14:00	Extracorporeal support during NIV and high-flow	<i>L Camporota</i>
14:25	Q&A & BREAK	
15:00	Clinical case scenario Presentation of case with 4 questions?	<i>M Antonelli</i>
15:15	Work in groups to discuss question	
16:00	Discuss answer to question by group representative (±15 min each)	<i>M Antonelli D Grieco L Piquilloud L Heunks L Camporota</i>
17:00	Practical demonstration (interfaces including Helmet)	<i>M Antonelli / D Grieco</i>
18:00	A framework for treatment	<i>A Demoule</i>
19:00	END DAY 1	



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DAY 2 – October 6th, 2024: Lung protective ventilation under assisted modes

Morning session

Moderators: L Piquilloud / G Bellani

09:00	Welcome/Objectives of the Day/Short summary of the first day	<i>L Heunks, M Antonelli</i>
09:15	Do ARDS subphenotypes affect lung protective strategies?	<i>J Laffey</i>
09:40	From energy delivered by ventilator to lung damage	<i>L Heunks</i>
10:05	Is impact on lung different between controlled and assisted mode?	<i>G Bellani</i>
10:30	Discussion break	
10:55	Q&A & BREAK	
11:15	Clinical case scenario Presentation of case with 4 questions?	<i>I Telias</i>
11:30	Work in groups to discuss question	
12:30	LUNCH	

Afternoon session

Moderators: M Antonelli / L Heunks

13:15	Discuss answer to question by group representative (± 15 min each)	<i>M Antonelli G Bellani I Telias</i>
14:15	Practical demonstration (Waveforms / curves)	<i>D Grieco / I Telias</i>
15:15	Q&A & BREAK	
15:45	A framework for treatment	<i>L Heunks</i>
16:45	Informal discussion with experts	<i>All faculty</i>
17:45	END DAY 2	