



EUSEM

EUROPEAN SOCIETY FOR EMERGENCY MEDICINE

Workshop



3rd Non Invasive Ventilation Certification Course

Lisbon, Portugal
24-25 April 2026

Programme



Course Overview

EUSEM's 3rd Certification Course is a comprehensive programme that equips Emergency Medicine professionals with the necessary knowledge and skills to manage acute respiratory failure using non-invasive respiratory support effectively. The course is intended for senior trainees and consultants in their first five years of practice.

Course Objectives

- Understand the underlying pathophysiology of acute respiratory failure and examine the effects of non-invasive respiratory support in patients and other causes of acute respiratory failure.
- Understand the indications and contraindications of the various methods.
- Apply problem-solving skills to troubleshoot ventilator issues effectively.
- Understand pros and cons of Non-Invasive respiratory support in patients.

Venue

- Centro de Simulação Avançada da FMUL_Hospital de Santa Maria Campus

Programme

**24 April
2026**

- 09:00 - 09:30 - Recap Ventilators and modes of Ventilation
- 09:30 - 10:15 - 1st rotation on stations Modes of Ventilation
- 10:15 - 11:30 - 2nd rotation on stations PSV, Bi-Level and CPAP modalities
- 10:30 - 11:00 - Coffee Break
- 11:30 - 12:15 - 3rd rotation on stations ACPE
- 12:15 - 13:00 - 4th rotation on stations case 2 Pneumonia
- 13:00 - 14:00 - Lunch
- 14:00 - 14:45 - 1st rotation on stations COPD
- 14:45 - 15:30 - 2nd rotation on stations Restrictive: Obesity & Neuromuscular
- 15:30-16.00 - Coffee Break
- 16:00 -16:45 - 3rd rotation on stations
- 16:45 -17:30 - 4th rotation on stations Miscellanea: Trauma, Asthma and others

**25 April
2026**

- 09.00 - 09.30 - Recap Day 1
- 09.30 - 10.15 - 1st rotation on stations Case 1
- 10.15 - 11.30 - 2nd rotation on stations Case 2
- 10.30 - 11.00 - Coffee Break
- 11.30 - 12.15 - 3rd rotation on stations Case 3
- 12.15 - 13.00 - 4th rotation on stations Case 4
- 13:00 - 14:00 - Lunch
- 14:00 - 14:45 - Test 1 + Case scenario simulation 1
- 14:45 - 15:30 - Test 2 + Case scenario simulation 2
- 15:30 - 16:00 - Coffee Break
- 16:00 - 16:45 - Test 3 + Case scenario simulation 3
- 16:45 - 17:30 - Test 4 + Case scenario simulation 4

Online Preparation

NOTE: Participants will be invited to join a virtual preparation session in March 2026. The date and time have not been confirmed yet, you will receive this information in due course. You will need to join this session to prepare for the course in Lisbon.

- 1) The Global Impact Of NIV - Dr. Patrick PLAISANCE**
- 2) Pathophysiology - Dr. Paolo GROFF**
- 3) How To Choose The Interface - Dr. Roberta MARINO**
- 4) Pneumonia - Dr. Roberta MARINO**
- 5) COPD - Dr. Rodolfo FERRARI**
- 6) NIV Management: Setting, Monitoring, Sedation**

Faculty

Director:

- Dr. Roberto Cosentini (Bergamo, Italy)

Faculty:

- Dr. Paolo Groff (Perugia, Italy)
- Dr. Roberta Marino (Vercelli, Italy)
- Dr. Rodolfo Ferrari (Imola, Italy)
- Dr. Patrick Plaisance (Paris, France)



Acknowledgements

EUSEM would like to thank the following companies for supporting the course with an unrestricted Educational grant:

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For further info:
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