



Course Overview

The EUSEM 1st Certification of Non-Invasive Ventilation 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 covers COVID-19 and non-COVID-19 cases, and it's intended for senior trainees and consultants in their first five years of practice.

Course Objectives

- Understand pathophysiology of acute respiratory failure and the effects of Non-Invasive respiratory support in COVID19 and non-COVID19 acute respiratory failure
- Understand indications and contraindications of the various methods
- Apply problem-solving to manage ventilators troubleshooting
- Understand pros and cons of Non-Invasive respiratory support in COVID19 patients

11 APRIL

9:00 – 13:00

14:00 – 17:30

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 COVID19
16:45 - 17:30 4th rotation on stations Miscellanea: Trauma, asthma, others

12 APRIL

9:00 – 13:00

14:00 – 17:30

09.00 - 09.30
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

There will be an online preparation session in March, the date and time have not yet been confirmed but you will receive this information in due time. You will need to join this session to prepare for the course in Lisbon.

Online Preparation Session topics – (Exact date and time in March TBC)

1. The Global Impact Of NIV - Dr. Patrick PLAISANCE
2. Pathophysiology - Dr. Paolo GROFF
3. Pre-Hospital - Dr. Nicolas PESCHANSKI
4. How To Chose The Interface - Dr. Roberta MARINO
5. How To Chose The Ventilator - Dr. Erwan L'HER
6. ACPE - Dr. Erwan L'HER
7. Pneumonia - Dr. Roberta MARINO
8. COPD - Dr. Rodolfo FERRARI
9. COVID19 - Dr. Roberto COSENTINI
10. NIV Management: Setting, Monitoring, Sedation

Faculty

Director: Dr. Roberto Cosentini (Bergamo, Italy)

Dr. Paolo Groff (Perugia, Italy)

Dr. Roberta Marino (Vercelli, Italy)

Dr. Rodolfo Ferrari, (Imola, Italy)

Dr. Patrick Plaisance (France)

Dr. Erwan L'her (Brest, France)

Dr. Nicolas Peschanski (Rennes, France)

Dr. Abdo Khoury (Besancon, France)

Venue

Centro de Simulação Avançada da FMUL_ Hospital de Santa Maria Campus

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About the European Society for Emergency Medicine (EUSEM)

European Society for Emergency Medicine (EUSEM) is an academic, medical, non-profit society representing the interests of all healthcare professionals involved in Emergency Medicine across Europe. It has members consisting of 37 National European societies and over 1000 individual members. In total, through the different forms of membership, the society represents over 34000 Emergency Medicine Specialists. The scope of EUSEM is from prehospital to the clinical setting encompassing the whole pathway for Emergency Medicine.