



The Intensive Connection



Master Class Programme

Mechanical Ventilation – State of the Art 2019

Dates: June 17-19, 2019

Location: ESICM Training Centre

19 Rue Belliard, 1040 Brussels, Belgium

Day 1, June 17, 2019

11:30 Registration

12:00 **Welcome, Introduction & Course Objectives**

12:30 **Mechanical Ventilation Knowledge Recalling Session**
Q & A moderated session

13:15 **Gas Exchange**
Interactive lecture

14:00 **Basic Respiratory Mechanics**
Presentation + Clinical Case

14:45 BREAK

15:15 **Advanced Respiratory Mechanics** (PL, Pdi, Breathing effort): COPD, ARDS, Obesity
Moderated Session with Clinical Cases

16:45 **Patient-ventilator Interaction**
Interactive lecture

17:15 **Setting PEEP**
White board lecture

18:00 **Mind Map Wrap Up**

18:30 END



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Day 2, June 18, 2019

08:45 Objectives of the day

09:00 **Heart-lung Interaction during Mechanical Ventilation**
Interactive Lecture

09:30 **Obstructive Lung Disease**
Clinical Case Scenario

10:15 Group distributions for Hands-on

10:30 BREAK

10:45 **Hands-on Main Ventilatory Modes**

Time	VCV/PCV	PSV	Diam Ultrasound	Esophageal Pressure
10:45	Group A	Group B	Group C	Group D
11:45	Group D	Group A	Group B	Group C
12:45	LUNCH WITH THE LEARNERS			
13:45	Group C	Group D	Group A	Group B
14:45	Group B	Group C	Group D	Group A

15:45 BREAK

16:00 **Safe Ventilation in ARDS (CMV and partially supported)**
Fishbone exercise

17:00 **Problem Based Group Collaborative Work, assisted by experts** (NIV in hypoxemic failure; HFNO in hypoxemic failure; ECMO; Drug treatment hypoxemic failure)

18:30 **Mind Map Wrap Up**

19:00 END



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Day 3, June 19, 2019

08:45 **Objectives of the day**

09:00 **Difficult Weaning**
Fishbone exercise

10:00 Group distribution for Special Modes Café

10:15 **Special Modes Café**
30' for each rotation. Three out of five to be attended

Time	PAV	NAVA	Automatic Weaning Modes (Smart Care & Intellivent)	High Flow Nasal Therapy	NIV + Interfaces (i.e. helmet)
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11:45 LUNCH WITH THE LEARNERS

12:45 **ECMO**
Problem based session (in continuation of day 2)

13:30 **Problem Based Group Collaborative Work, assisted by experts** (When assisted breathing; Recruitment manoeuvres; Inspiratory muscle training; Timing tracheostomy)

15:00 **Mind Map Wrap up**

15:30 **Q & A session**

16:00 END