



The Intensive Connection



Master Class Programme Mechanical Ventilation – State of the Art 2020

Day 1, June 15, 2020

10:30	Registration	
11:00	Welcome, Introduction & Ice breaking activity	<i>L. Heunks</i>
11:30	Mechanical Ventilation Knowledge Recall Session <i>Open debate</i>	<i>D. Gommers & L. Heunks</i>
12:00	Physiology of Gas Exchange <i>Interactive lecture</i>	<i>L. Camporota</i>
12:30	Basic Respiratory Mechanics <i>Case based session</i>	<i>C. Guerin & L. Heunks</i>
13:15	LUNCH	
14:00	Advanced Respiratory Mechanics (PL, Pdi, Breathing effort): COPD, ARDS, Obesity <i>Moderator:</i> <i>Case based session:</i> <ol style="list-style-type: none">1. COPD2. ARDS and mechanical power3. Obesity and expiratory flow limitation	<i>L. Heunks</i> <i>L. Piquilloud</i> <i>JD. Chiche</i> <i>A. Demoule</i>
16:00	BREAK	
16:15	Patient-ventilator interaction <i>Case-based interactive lecture</i>	<i>L. Piquilloud</i>
16:45	Journal Club	
18:15	Wrap Up/Q&A	<i>L. Heunks</i>
18:30	Networking Cocktail	
19:30	END	

Master Class Programme Mechanical Ventilation – State of the Art 2020

Day 2, June 16, 2020

08:30 Objectives of the day

08:45 **Setting PEEP in ARF**

L. Camporota & D. Gommers

White board lecture

09:45 **Respiratory support in COPD**

L. Piquilloud

Concept/case-based interactive session

10:30 Group distributions and rotations break

10:50 **Hands-on Main Ventilatory Modes**

Time	VCV/PCV <i>JD. Chiche & D. Gommers</i>	PSV <i>C. Guerin & L. Piquilloud</i>	Diam Ultrasound <i>L. Camporota & A. Demoule</i>	Esophageal pressure <i>L. Heunks, T. Mauri & E. Spinelli</i>
10:50	Group Red	Group Blue	Group Yellow	Group Green
11:55	Group Green	Group Red	Group Blue	Group Yellow

13:00 LUNCH WITH THE LEARNERS

Time	VCV/PCV <i>JD. Chiche & D. Gommers</i>	PSV <i>C. Guerin & L. Piquilloud</i>	Diam Ultrasound <i>L. Camporota & A. Demoule</i>	Esophageal pressure. <i>L. Heunks, T. Mauri & E. Spinelli</i>
13:45	Group Yellow	Group Green	Group Red	Group Blue
14:50	Group Blue	Group Yellow	Group Green	Group Red

15:55 BREAK

16:15 Group collaborative work, guided by experts

Moderator: L Heunks

1. Group **Red**: **NIV or HFNT?**

L. Piquilloud & Spinelli

2. Group **Blue**: **Recruitment manoeuvre?**

L. Camporota & D. Gommers

3. Group **Yellow**: **Proning?**

C. Guerin & T. Mauri

4. Group **Green**: **When to start assisted mode?**

JD. Chiche & A. Demoule

18:30 **Wrap Up/Q&A**

T. Mauri

19:00 END

Master Class Programme Mechanical Ventilation – State of the Art 2020

Day 3, June 17, 2020

08:30 Objectives of the Day & Group Distribution for Special Modes Café

08:45 **Special Modes Walk-In/ Complications of mechanical ventilation (P-SILI / VIDD)/Optional Sessions**

Time		NAVA & EDI Monitoring	FRC measurement, PEEP setting	Automatic weaning mode & control of oxygenation and ventilation (Intellivent)	High flow nasal therapy, NIV + interfaces	EIT	PAV
08:45-11:15	GROUP A-E						
08:45-09:45	GROUP F-K	Complications of mechanical ventilation (P-SILI / VIDD)				<i>L. Heunks & T. Mauri</i>	
		<i>Case-based interactive lecture</i>					

Time		NAVA & EDI Monitoring	FRC measurement, PEEP setting	Automatic weaning mode & control of oxygenation and ventilation (Intellivent)	High flow nasal therapy, NIV + interfaces	EIT	PAV
10:00-12:30	GROUP F-K						
11:30-12:30	GROUP A-E	Complications of mechanical ventilation (P-SILI / VIDD)				<i>L. Heunks & T. Mauri</i>	
		<i>Case-based interactive lecture</i>					

Parallel Optional Sessions: *Topics to be agreed based on participants interest*

12:30 **ECMO**

L. Camporota & D. Gommers

13:00 LUNCH WITH THE LEARNER

13:45 Group collaborative work, guided by experts

Moderator: L Heunks

1. Group **Red**: Best predictor for successful extubation

JD Chiche & L. Camporota

2. Group **Blue**: Diagnose cardiac failure

A. Demoule & T. Mauri

3. Group **Yellow**: Diagnose resp muscle weakness

L. Heunks & E. Spinelli

4. Group **Green**: Tracheostomy

D. Gommers & L. Piquilloud

16:00 **Wrap up/Q&A**

L. Camporota,

16:30 END