



The Intensive Connection



Master Class Programme Mechanical Ventilation – State of the Art 2019

Day 1, June 17, 2019

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>L. Heunks & J. Mancebo</i>
12:00	Physiology of Gas Exchange <i>Interactive lecture</i>	<i>D. Gommers</i>
12:45	Basic Respiratory Mechanics <i>Case based session</i>	<i>C. Guerin & L. Heunks</i> <i>C. Guerin & L. Heunks</i>
13:30	LUNCH	
14:00	Advanced Respiratory Mechanics (PL, Pdi, Breathing effort): COPD, ARDS, Obesity <i>Moderator:</i> <i>Case based session:</i> 1. COPD 2. ARDS 3. Obesity	<i>L. Heunks</i> <i>JD. Chiche, A. Demoule & J. Mancebo</i> <i>J. Mancebo</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	Setting PEEP in ARF <i>White board lecture</i>	<i>D. Gommers & C. Guerin</i>
17:30	Heart-lung interaction during mechanical ventilation <i>Interactive lecture</i>	<i>JD. Chiche</i>
18:00	Wrap Up/Q&A	<i>L. Heunks, A. Jonkman T. Mauri & E. Spinelli</i>
18:30	Networking Cocktail	
19:30	END	



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Day 2, June 18, 2019

08:30 Objectives of the day

08:45 **Respiratory support in COPD**

L. Piquilloud

Concept/case-base interactive session

09:30 Group distributions and rotations break

09:45 **Hands-on Main Ventilatory Modes**

Time	VCV/PCV <i>JD. Chiche & D. Gommers</i>	PSV <i>C. Guerin & L. Piquilloud</i>	Diam Ultrasound <i>A. Demoule, L. Heunks & A. Jonkman</i>	Esophageal pressure <i>J. Mancebo, T. Mauri & E. Spinelli</i>
09:45	Group Red	Group Blue	Group Yellow	Group Green
10:45	Group Green	Group Red	Group Blue	Group Yellow

11:45 **Safe ventilation in ARDS (CMV and partially supported)**

JD. Chiche & L. Heunks

Case-based interactive lecture

12:45 LUNCH WITH THE LEARNERS

Time	VCV/PCV <i>JD. Chiche & D. Gommers</i>	PSV <i>C. Guerin & L. Piquilloud</i>	Diam Ultrasound <i>A. Demoule, L. Heunks & A. Jonkman</i>	Esophageal pressure. <i>J. Mancebo, T. Mauri & E. Spinelli</i>
13:30	Group Yellow	Group Green	Group Red	Group Blue
14:30	Group Blue	Group Yellow	Group Green	Group Red

15:30 BREAK

15:45 Group collaborative work, guided by experts

1. **NIV in hypoxemic failure**

A. Demoule & J. Mancebo

2. **HFNO in hypoxemic failure**

T. Mauri & E. Spinelli

3. **ECMO**

D. Gommers & JD. Chiche

4. **ECCO2R**

C. Guerin & L. Heunks

17:45 **Difficult Weaning**

A. Demoule & L. Heunks

Practical activity

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

L. Heunks, A. Jonkman, T. Mauri & E. Spinelli

19:00 END



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Day 3, June 19, 2019

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

08:45 **Hands-on Special Modes Café**

Time	NAVA & EDI Monitoring <i>A. Jonkman & L. Heunks</i>	FRC measurement, PEEP setting <i>C. Guerin</i>	Automatic weaning mode & control of oxygenation and ventilation (Intellivent) <i>L. Piquilloud</i>	High flow nasal therapy, NIV + interfaces <i>A. Demoule & E. Spinelli</i>	EIT <i>D. Gommers & T. Mauri</i>	PAV <i>J. Mancebo</i>
08:45	A	B	C	D	E	F
09:25	F	A	B	C	D	E
10:05	E	F	A	B	C	D

10:45 BREAK

11:00 **ECMO**

D. Gommers

12:00 LUNCH WITH THE LEARNERS

12:30 **Special Modes Café**

Time	NAVA & EDI Monitoring <i>A. Jonkman & L. Heunks</i>	FRC measurement, PEEP setting <i>C. Guerin</i>	Automatic weaning mode & control of oxygenation and ventilation (Intellivent) <i>L. Piquilloud</i>	High flow nasal therapy, NIV + interfaces <i>A. Demoule & E. Spinelli</i>	EIT <i>D. Gommers & T. Mauri</i>	PAV <i>J. Mancebo</i>
12:30	D	E	F	A	B	C
13:10	C	D	E	F	A	B
13:50	B	C	D	E	F	A

14:30 Group collaborative work, guided by experts

1. **Best predictor for successful extubation**
2. **Recruitment manoeuvres**
3. **Prone position**
4. **Tracheostomy**

L. Heunks & A. Jonkman

J. Mancebo & D. Gommers

C. Guerin & E. Spinelli

A. Demoule & L. Piquilloud

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

L. Heunks, A. Jonkman T. Mauri & E. Spinelli

16:30 END