e- Master Class Programme
Mechanical Ventilation – State of the Art 2021
Dates: 28th-29th October & 5th November 2021

Day 1, October 28, 2021

Morning session
Session moderator *L. Heunks & E. Spinelli*

09:00 Welcome, Rationale and Methodology *L. Heunks*

09:30 Physiology of Gas Exchange *L. Camporota*

10:00 Respiratory Mechanics *L. Heunks*

10:45 BREAK

11:00 Mechanical Ventilation in Specific Categories - Moderated Presentations
Respiratory physiology in COVID-19 (30 min) *J. Mancebo*
COPD (40') *C. Guerin*

12:10 Patient-ventilator interaction - Case-based interactive lecture *L. Piquilloud*

13:00 END MORNING SESSION

LUNCH BREAK
Afternoon session
Session moderator *L. Camporota & A. Jonkman*

14:00 Welcome *L. Camporota & A. Jonkman*

14:05 Mechanical Ventilation in ARDS *T. Mauri & E. Spinelli*

15:00 Lung Recruitment and setting PEEP *A. Demoule*

16:00 BREAK

16:10 Proning - Interview with the expert *C. Guerin*
Interviewers: L. Camporota & Heunks

16:45 Introduction Papers Journal Club *L. Camporota & A. Jonkman*

17:00 APRV *L. Camporota*

17:30 Q&A/Wrap –up *L. Camporota & faculty*

18:00 END

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Master Class endorsed by the AKI Section, ESICM

e- Master Class Programme
Mechanical Ventilation – State of the Art 2021
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Day 2, October 29, 2021

Morning session

Session moderator *T. Mauri & A Hall*

09:00 Welcome and Recap Day 1 *T. Mauri & A Hall*

09:15 ECMO *D. Gommers*

10:00 Parallel sessions

Journal Club *L. Camporota, L Heunks, T. Mauri, P.R. Tuinman & A. Hall*	VCV/PCV/PSV *J. Mancebo & A. Jonkman*	VCV/PCV/PSV *D. Gommers & E. Spinelli*	VCV/PCV/PSV *L. Piquilloud & C. Guerin*
Group 1 & 2 & 3	Group 4	Group 5	Group 5

11:00 BREAK

11:10 Parallel sessions

Journal Club *L. Camporota, L Heunks, T. Mauri, P.R. Tuinman & A. Hall*	VCV/PCV/PSV *J. Mancebo & A. Jonkman*	VCV/PCV/PSV *D. Gommers & E. Spinelli*	VCV/PCV/PSV *L. Piquilloud & C. Guerin*
Group 4 & 5 & 6	Group 1	Group 2	Group 3

12:15 Obesity and airway opening pressure *A. Demoule*

13:00 END MORNING SESSION

LUNCH BREAK

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Afternoon session

14:00 Welcome *L. Piquilloud*

14:10 Parallel sessions

What has COVID-19 taught us about MV *D. Gommers, C. Guerin, L. Camporota. Moderator: A. Hall WB : Heunks*	Diam & Lung Ultrasound Oesophageal pressure *P.R. Tuinman & A. Demoule*	Diam & Lung Ultrasound Oesophageal pressure *L. Piquilloud & A. Jonkman*	Diam & Lung Ultrasound Oesophageal pressure *H. de Vries, J. Mancebo & E. Spinelli*
Group 1 & 2 & 3	Group 4	Group 5	Group 6

15:10 BREAK

15:20 Parallel sessions

What has COVID-19 taught us about MV *D. Gommers, C. Guerin, L. Camporota Moderators: A. Hall WB : Heunks*	Diam & Lung Ultrasound Oesophageal pressure *P.R. Tuinman & A. Demoule*	Diam & Lung Ultrasound Oesophageal pressure *L. Piquilloud & A. Jonkman*	Diam & Lung Ultrasound Oesophageal pressure *H. de Vries, J. Mancebo & E. Spinelli*
Group 4 & 5 & 6	Group 1	Group 2	Group 3

16:25 Q&A/Wrap –up DAY 2 *L. Piquilloud & faculty*

17:00 Learner Tasks for DAY 3 *L. Heunks*
Special modes videos for study
Task to carry out in the hospital and debate in the forum before Day 3

SPECIAL MODES VIDEOS AVAILABLE	PAV
	NAVA
	INTELLIVENT
	HIGH FLOW
	EIT
	FRC measurement, PEEP setting

17:30 END

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e- Master Class Programme
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Day 3, November 5, 2021

Morning session
Session moderator *A Hall & A. Demoule*

09:00 Welcome and Recap Day 1 & Day 2 *A Hall & A. Demoule*

09:15 Assessing Respiratory Effort: Techniques & Relevance *L. Heunks & L. Piquilloud*
WB: Demoule

10:00 Topical Group Debate *L Heunks & T. Mauri*
Group Work based on case vignette
1. Group 1: NIV or HFNT for hypoxemic failure? *L. Piquilloud & T. Mauri*
2. Group 2: Role for ECCO2R? *L. Heunks & D. Gommers*
3. Group 3: When to start assisted mode? *A. Demoule & C. Guerin*
4. Group 4: Role for APRV / BiPAP / IR mode *J. Mancebo & E. Spinelli*

11:10 BREAK

11:20 Group Work Debate (with the entire audience)
Led by L Heunks & T. Mauri & faculty

12:10 Simple weaning: a state of the art – Case-based session *C. Guerin*

13:00 END MORNING SESSION

LUNCH BREAK

Afternoon session
Session moderator *E. Spinelli & D. Gommers*

14:00 Welcome *E. Spinelli & D. Gommers*

14:05 Day 1&Day 2&Day 3/ Special Modes Discussion *P.R. Tuinman & All faculty*
KAHOOT *P.R. Tuinman*

15:00 Difficult and prolonged weaning *L. Heunks & A. Demoule & D. Gommers*

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16:05 Learner Task discussion *L. Heunks & faculty*

17:10 Q&A/Wrap –up (30') *E. Spinelli & D. Gommers & faculty*

17:30 END

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