



The Intensive Connection



**Pre-Congress Course Programme
Mechanical Ventilation
October 22-23, 2022**

Day 1, October 22nd, 2022

Morning session

MODERATORS:

M. Dres & L. Gattinoni

09:00 WELCOME

L. Heunks, L. Piquilloud

Non-invasive respiratory support and obstructive respiratory disease

09:15 Role of NIRS in acute hypoxemic failure
Interactive lecture

A. Demoule

09:45 Helmet in AHF
Interactive lecture and practical session

M. Antonelli

10:15 Hypoxemic respiratory failure: case-based discussion
Case based discussion

A. Demoule

10:35 Q&A

10:45 NIV / high flow for COPD (acute and chronic)
Interactive lecture

M.Dres

11:05 BREAK

11:35 Invasive mechanical ventilation in COPD/asthma attack patients (invasive)
Case based discussion / ventilator screen

L. Heunks

11:55 Q&A

Basic of invasive respiratory support

12:05 Controlled mechanical ventilation settings: Basics
Interactive lecture

L. Piquilloud

12:35 END MORNING SESSION

LUNCH BREAK

Afternoon session

MODERATORS:

M. Antonelli & L. Piquilloud

13:30 Strategies to set PEEP and to achieve lung recruitment
Introductory lecture and debate

A. Demoule

14:30 Heart-lung interaction during controlled ventilation
Interactive lecture

M. Dres

15:00 Respiratory drive: pathophysiology and modulation
Interactive lecture

L.Heunks



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15:30 Q&A

15:45 BREAK

16:15 Assisted mechanical ventilation settings: Basics
Lecture and ventilator screen

A. Jonkman

16:45 How to assess respiratory mechanics and patient's effort during assisted mechanical ventilation
Interactive lecture

G. Bellani

17:15 Patient-ventilator interaction during assisted mechanical ventilation
Case discussion

L. Piquilloud

Impact of Mechanical Ventilation on lung and non-pulmonary organs

17:45 Impact of mechanical ventilation on the lungs
Interactive lecture

G. Bellani

18:15 Q&A

19:00 END DAY 1





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Day 2, October 23rd, 2022

Morning session

MODERATORS: *M. Dres & G. Bellani*

09:00 Welcome

L. Heunks, L. Piquilloud

Impact of Mechanical Ventilation on lung and non-pulmonary organs

09:10 Impact of mechanical ventilation on respiratory muscles
Interactive lecture

L. Heunks

09:30 Impact of mechanical ventilation on the brain
Interactive lecture

JD Chiche

09:40 Impact of mechanical ventilation on the kidney
Interactive lecture

A. Schneider

09:50 Q&A

Advanced respiratory support in hypoxemic failure

10:00 Prone position theoretical and practical aspects: mechanical power, close loop
Introductory lecture and interview with expert

L. Piquilloud

10:30 BREAK

11:00 Advanced respiratory monitoring: Transpulmonary pressure and lung volumes
Lecture and case discussion

A. Jonkman

11:30 ECMO / ECCOR / ultraprotective ventilation
Interactive lecture

L. Camporota

12:00 The future of ARDS ventilation
Interview with the experts

JD Chiche

12:30 Q&A

13:00 END MORNING SESSION

LUNCH BREAK

Afternoon session

MODERATORS: *L. Heunks & L. Piquilloud*

From intubation to weaning

14:00 Weaning from mechanical ventilation, the basics
Interactive lecture

M. Dres



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14:30 How to improve ventilator weaning: present and future
Interactive lecture

L. Heunks

15:00 Prevention of extubation failure
Case-based session

A. Demoule

15:30 Safe endotracheal intubation in severe hypoxemic failure

S. Myatra

16:00 Q&A

16:45 END DAY 2

