



**smart** COURSE

on  
**Mechanical Ventilation**

**2<sup>nd</sup> EDITION**

**KRAKOW – POLAND | NOVEMBER 21- 22, 2019**





**smart** COURSE

KRAKOW - POLAND  
NOVEMBER 21-22, 2019

The **SMART COURSE** on  
**Mechanical Ventilation**

features a highly interactive program,  
aimed at melting speakers and attendees'  
experience on clinical daily practice.

**SMART** - ORGANIZING AND SCIENTIFIC COMMITTEE

M. Antonelli, G. Bellani, A. Braschi, G. Conti, L. Gattinoni,  
A. Pesenti, M. Quintel, F. Raimondi, M. Senturk

**SMART COURSE** - SCIENTIFIC COORDINATORS

G. Bellani  
K. Szuldrzynski

**SMART** - ORGANIZING SECRETARIAT

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**FACULTY**

**Bellani G.** - Monza (I)

**Constantin J.M.** - Paris (F)

**Grasselli G.** - Milan (I)

**Heunks L.** - Amsterdam (NL)

**Mojoli F.** - Pavia (I)

**Pesenti A.** - Milan (I)

**Piquilloud L.** - Lausanne (CH)

**Rezoagli E.** - Monza (I)

**Szuldrzynski K.** - Krakow (P)





# smart COURSE

PROGRAM THURSDAY  
NOVEMBER 21, 2019

## BASIC COURSE - November 21

### SESSION 1

09:00 Welcome and introduction

09:15 **FEATURE LECTURE**  
Pathophysiology of ARDS  
*A. Pesenti*

09:35 Controlled mechanical ventilation settings: principles and monitoring  
*G. Bellani*

10:05 Strategies to set PEEP and to evaluate lung recruitment/overdistension  
*K. Szuldrzyński*

10:30 Discussion

10:40 **SIMULATED CASES ON THE SCREEN (with real ventilators)**

11:10 COFFEE BREAK

### SESSION 2

11:40 Imaging techniques to guide mechanical ventilation: Computed Tomography  
*J.M. Constantin*

12:00 Imaging techniques to guide mechanical ventilation: Ultrasound  
*F. Mojoli*

12:20 Clinical case, a collective discussion  
*K. Szuldrzyński*

12:40 Discussion

13:00 **SIMULATED CASES ON THE SCREEN (with real ventilators)**

13:30 LUNCH

### SESSION 3

14:30 Diagnostic workup of patients with Acute Respiratory Failure  
*G. Grasselli*

15:00 Assisted mechanical ventilation settings: basics  
*G. Bellani*

15:20 Evaluating patient's effort and ventilator synchrony  
*L. Heunks*

15:40 Optimizing patient-ventilator interaction  
*F. Mojoli*

16:00 Discussion

16:10 **SIMULATED CASES ON THE SCREEN (with real ventilators)**

16:40 COFFEE BREAK

### SESSION 4

17:10 Clinical case, a collective discussion  
*G. Grasselli*

17:40 Ventilation of patients with COPD and asthma  
*L. Piquilloud*

18:00 Extracorporeal gas exchange in respiratory failure - current status of ECMO and ECCO<sub>2</sub>R  
*A. Pesenti*

18:30 Discussion

18:40 Conclusion of the day



# smart COURSE

PROGRAM FRIDAY  
NOVEMBER 22, 2019

## BASIC COURSE - November 22

### SESSION 5

08:45 Non-invasive ventilations: indications and caveats  
*J.M. Constantin*

09:05 Non-invasive ventilations: which interfaces and which modes?  
*G. Bellani*

09:25 High Flow Nasal Cannulas  
*G. Grasselli*

09:45 Interactive session: examples from participants  
*L. Piquilloud*

10:05 Discussion

10:15 **SIMULATED CASES ON THE SCREEN (with real ventilators)**

10:45 COFFEE BREAK

### SESSION 6

11:15 Airway management in the critically ill  
*J.M. Constantin*

11:45 Weaning from mechanical ventilation  
*L. Heunks*

12:25 **SIMULATED CASES ON THE SCREEN (with real ventilators)**

12:55 Closed loop and automated ventilation modes  
*G. Bellani*

13:15 Discussion

13:25 Conclusion of the course

## ADVANCED COURSE - November 22

14:15 Transpulmonary pressure: understanding and interpreting it  
*F. Mojoli*

14:35 Adjunctive therapies during mechanical ventilation  
*K. Szuldrzyński*

14:55 Rotation #1

15:40 Rotation #2

16:25 COFFEE BREAK

16:45 Rotation #3

17:30 Rotation #4

18:15 Conclusion of the course

PARTICIPANTS WILL ROTATE BETWEEN THE 4 WORKSTATIONS

- **Workstation #1**  
Imaging of the respiratory system
- **Workstation #2**  
Esophageal pressure
- **Workstation #3**  
Basic assessment of respiratory mechanics
- **Workstation #4**  
Patient-ventilator synchrony





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## GENERAL INFORMATION

### Registration Fees

BASIC COURSE

Late Registration (after September 20th) € 350.00\*

ADVANCED COURSE\*

\*Registration to the advanced course requires also registration to the basic course

Registration € 100.00\*

\*Legal VAT is included

### Meeting Venue

Sheraton Grand Kraków I Powiśle 7, 31-101 Kraków, Poland  
www.sheratongrandkrakow.com

### Registration fee includes

- Congress kit
- Coffee breaks
- Badge
- Snack Lunch
- Attendance Certificate
- Dinner of November 21

### OFFICIAL LANGUAGE

The official language of the Course is English.  
No translation provided.



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## ACKNOWLEDGEMENTS

We are grateful to the following Companies for their contributions to the success of the Meeting:



GE Healthcare



ORGANIZING SECRETARIAT  
**Start Promotion Eventi Srl, Milan**

