



*The Intensive Connection*



## **e-MASTER CLASS PROGRAMME HAEMODYNAMIC MONITORING**

### **DAY 1: November 24, 2021**

#### **Morning session**

- 09:00 **Welcome + presentations**
- 09:20 **Basics in haemodynamic physiology**  
*Interactive lecture*
- 10:00 **Focus: How to interpret SvO<sub>2</sub>/ScvO<sub>2</sub>?**
- 10:25 **Focus: How to interpret lactate?**
- 10:45 BREAK
- 11:00 **Focus: PCO<sub>2</sub>-derived indices**
- 11:20 **How to evaluate my patient with shock?**  
*Roundtable*
- 12:00 BREAK
- 12:15 Q&A
- 12:30 **Let's ask the expert! How do you use echo in shock patients?**  
*Interview with the expert*
- 13:00 END MORNING SESSION

LUNCH

#### **Afternoon session**

- 14:00 Welcome
- 14:05 **Focus: Pulse wave analysis and finger cuff technology**
- 14:30 **Focus: Bioreactance**
- 14:55 **Case-based discussion ROTATION 1 (2 BREAKOUT ROOMS)**
  - Transpulmonary thermodilution
  - Pulmonary artery catheter
- 15:45 **Case-based discussion ROTATION 2 (2 BREAKOUT ROOMS)**
  - Transpulmonary thermodilution
  - Pulmonary artery catheter
- 16:30 BREAK



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16:45 **Interview with the experts (2 PARALLEL SESSIONS)**

- **Which haemodynamic monitoring in the OR?**
- **Which haemodynamic monitoring in the ICU?**

17:25 **Wrap-up**

17:45 **END DAY 1**



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## **DAY 2: November 25, 2021**

### **Morning session**

09:00 **Welcome and Recap DAY 1**

09:20 **Basics in physiology: heart-lung interactions**  
*Interactive lecture*

10:00 **Focus: Assessment of RV failure with echo**

10:35 BREAK

10:50 **Focus: Weaning-induced cardiac dysfunction**

11:25 **Clinical case in echocardiography**  
*Case-based discussion*

12:15 Q&A

12:30 **Let's ask the expert! Perform fluid responsiveness tests in practice?**  
*Interview with the expert*

13:00 END MORNING SESSION

LUNCH

### **Afternoon session**

14:00 Welcome

14:05 **Let's ask the expert! How do you assess the microcirculation at the bedside?**  
*Interview with the expert*

14:40 **Case-based discussion ROTATION 1 (2 BREAKOUT ROOMS)**

- Prediction of fluid responsiveness in MV patients
- Prediction of fluid responsiveness in non-ventilated patients

15:30 **Case-based discussion ROTATION 2 (2 BREAKOUT ROOMS)**

- Prediction of fluid responsiveness in MV patients
- Prediction of fluid responsiveness in non-ventilated patients

16:15 BREAK

16:30 **Interview with the experts (2 PARALLEL SESSIONS)**

- **Should we measure blood pressure or flow in the OR?**
- **Should we measure blood pressure or flow in the ICU?**

17:15 Wrap-up

17:35 END DAY 2



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### **DAY 3: November 26, 2021**

#### **Morning session**

09:00 **Welcome and Recap DAY 2**

09:20 **Basics in physiology: tissue oxygenation**  
*Interactive lecture*

10:00 **Focus: Vasopressors: which and when?**

10:35 BREAK

10:50 **Focus: Inotropes: which and when?**

11:25 **VA-ECMO in cardiogenic shock**  
*Case-based discussion*

12:15 Q&A

12:30 **Let's ask the expert! How do I wean my patient from ECMO?**  
*Interview with the expert*

13:00 END MORNING SESSION

LUNCH

#### **Afternoon session**

14:00 Welcome

14:05 **Focus: Indications and prognosis of assistances in cardiogenic shock**

14:35 **Q&A**

14:55 BREAK

15:15 **Clinical Case (2 BREAKOUT ROOMS)**

- **COVID in the ICU**
- **High-risk surgery**

16:00 KAHOOT

16:15 Farewell

16:30 END DAY 3