

## REFRESHER COURSE IN HAEMODYNAMICS

October 10-11, 2026

Lisbon, Portugal

### Day 1 - Afternoon session: Physiology at the bedside and differentiation of shock

*Moderators: M. Chew & J. Benes*

13:00	Welcome <i>M. Chew, AM. Ioan, A. Messina, X. Monnet</i>	
13:15	How do I interpret cardiac-arterial coupling in clinical practice?	<i>A. Messina</i>
13:35	How do I interpret Lactate and CRT in clinical practice?	<i>O. Hamzaoui</i>
14:15	How do I interpret ScVO <sub>2</sub> , vaCO <sub>2</sub> -gap in clinical practice?	<i>J. Bakker</i>
14:35	Q&A	
15:30	Coffee Break	
16:00	How do I assess fluid responsiveness at the bedside by integrating information from haemodynamic tools?	<i>C. Lai</i>
16:30	Group Gaming: which functional haemodynamic test for my patient?	<i>AM. Ioan, A. Messina, X. Monnet</i>
17:45	Recap	
18:00	End Day 1	

## REFRESHER COURSE IN HAEMODYNAMICS

October 10-11, 2026

Lisbon, Portugal

### Day 2 - Morning session: Haemodynamic Monitoring and ROSE scenario

*Moderators: AM. Ioan & M. Jozwiak*

08:45	Welcome <i>M. Chew, AM. Ioan, A. Messina, X. Monnet</i>	
09:00	How do I use and interpret transpulmonary thermodilution in clinical practice? <i>X. Monnet</i>	
09:20	How do I use and interpret Swan-Ganz catheter in clinical practice? <i>D. De Backer</i>	
09:40	How do I use and interpret critical care echocardiography in clinical practice? <i>O. Hamzaoui</i>	
10:00	How do I administer a fluid bolus? <i>A. Messina</i>	
10:20	Q&A	
10:40	Coffee break	
11:00	How do I assess and treat RV dysfunction? <i>P. Vignon</i>	
11:20	Cardiogenic shock: clinical case with discussions in small groups <i>J. Benes, V. Bennett, O. Hamzaoui</i>	
12:45	Lunch	

### Day 2 – Afternoon session: Haemodynamic Monitoring and ROSE scenario

*Moderators: J. Benes & V. Bennett*

13:40	How do I assess and treat weaning failure from mechanical ventilation due to cardiac origin? <i>X. Monnet</i>	
14:00	How do I use vasopressors in shock? <i>M. Jozwiak</i>	
14:20	How do I use inotropes in shock? <i>M. Chew</i>	
14:40	Q&A	
15:00	Coffee break	
15:30	ROSE concept clinical case workshop <i>C. Lai, JL. Teboul</i>	
17:00	Final Remarks & End Day 2	