



IU

INTERNATIONAL UPDATE

Echocardiography for Hemodynamic Monitoring 2024

Brussels, November 19-21, 2024



Tuesday, November 19, 2024

BASICS

09.00	Course presentation <i>Course directors</i>
09.10	Ultrasound principles and new advances in ultrasound technology M. Slama (Amiens, France) - Mod: S. Orde (Sydney, Australia)
09.40	Transthoracic and transesophageal echo: indications and planes D. De Backer (Brussels, Belgium) - Mod: V. Labbé (Brussels, Belgium)
10.15	Break
10.30	Evaluation of LV systolic function and cardiac output P. Mayo (New York, USA) - Mod: D. De Backer (Brussels, Belgium)
11.00	Evaluation of LV diastolic function M. Slama (Amiens, France) - Mod: A. Herpain (Brussels, Belgium)
11.35	Evaluation of RV function, pulmonary pressures, and right-sided congestion S. Orde (Sydney, Australia) - Mod: G. Douflé (Toronto, Canada)
12.20	Lunch
13.15	Division into 3 groups for Workshops (3 x 60 min)
13.20	1/ TTE hands-on with instructors, divided into: → beginner level (TTE view acquisition, RV assessment, etc.) F. Annoni (Brussels, Belgium), V. Ditali (Brussels, Belgium), P. Mayo (New York, USA), S. Orde (Sydney, Australia) → advanced level (PW Doppler indices, LV/RV 2D strain, etc.) D. De Backer (Brussels, Belgium), A. Herpain (Brussels, Belgium)
	2/ Case stations (GE-EchoPAC) M. Slama (Amiens, France)
	3/ TEE simulator: demonstration and discussion G. Douflé (Toronto, Canada) and V. Labbé (Brussels, Belgium)
16.50	Break
17.15	Myocardial infarction V. Labbé (Brussels, Belgium) - Mod: D. De Backer (Brussels, Belgium)
17.45	Free access to TTE machines & TEE simulators with instructors and speakers



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Wednesday, November 20, 2024

INTRODUCTION TO HEMODYNAMIC MONITORING

08.30	Evaluation of filling pressures S. Orde (Sydney, Australia) - Mod: M. Slama (Amiens, France)
09.15	[Case presentations]
10.15	Break
10.30	Echocardiographic patterns of acute cor pulmonale G. Douflé (Toronto, Canada) - Mod P. Mayo (New York, USA)
11.05	[Case presentations]
11.35	Echocardiography for the ARDS patient F. Annoni (Brussels, Belgium) - Mod: V. Labbé (Brussels, Belgium)
12.10	Evaluation of venous stasis D. De Backer (Brussels, Belgium) – Mod: A. Herpain (Brussels, Belgium)
12.30	Lunch & Free access to TEE simulators
13.30	Prediction and evaluation of fluid responsiveness P. Mayo (New York, USA) - Mod: M. Slama (Amiens, France)
14.30	[Case presentations]
15.30	Break
15.45	2D strain by speckle tracking imaging A. Herpain (Brussels, Belgium) - Mod: S. Orde (Sydney, Australia)
16.15	Assessment of valvulopathies S. Orde (Sydney, Australia) - Mod: D. De Backer (Brussels, Belgium)
17.00	Cardiac tamponade P. Mayo (New York, USA) - Mod: G. Douflé (Toronto, Canada)
17.30	End of the day



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Thursday, November 21, 2024

INTEGRATED APPROACH: CLINICAL SITUATIONS

08.30	Obstructive cardiomyopathy and dynamic LVOT obstruction M. Slama (Amiens, France) - Mod: V. Labbé (Brussels, Belgium)
09.00	How to assess a patient with shock? How to assess a patient with respiratory failure? M. Slama (Amiens, France) - Mod: S. Orde (Sydney, Australia)
09.30	[Case presentations]
10.30	<i>Break</i>
10.45	[Case presentations]
11.15	Aortic pathologies S. Orde (Sydney, Australia) - Mod: A. Herpain (Brussels, Belgium)
11.35	Myocardial depression in septic shock D. De Backer (Brussels, Belgium) - Mod: F. Annoni (Brussels, Belgium)
12.20	<i>Lunch</i>
13.05	[Case presentations]
13.35	Short clinical cases: quiz (All the experts)
14.05	Echocardiography during cardiac arrest A. Herpain (Brussels, Belgium) - Mod: P. Mayo (New York, USA)
14.25	Evaluation of the patient treated with: - ECMO (VV or VA) and LVAD - G. Douflé (Toronto, Canada) - Mod: D. De Backer (Brussels, Belgium) - pVAD (e.g., Impella®) A. Herpain (Brussels, Belgium) - Mod: F. Annoni (Brussels, Belgium)
15.25	Key messages and course conclusions
15.30	<i>End of the course</i>