



IU

INTERNATIONAL UPDATE

Echocardiography for Hemodynamic Monitoring 2024

Brussels, November 19-21, 2024



Tuesday, November 19, 2024

BASICS

09.00	Presentation of the course <i>Course directors</i>
09.10	Ultrasound principles and new advances in ultrasound technology M. Slama (Amiens, France) - Mod:TBC
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 TBC - 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 TBC - Mod: A. Vieillard-Baron (Boulogne-Billancourt, France)
12.20	Lunch
13.15	Division into 3 groups for Workshops (3x 60' min)
13.20	1/ TTE hands-on with instructors, divided into: → beginner level (TTE view acquisition, RV assessment, etc.) F. Annoni (Brussels, Belgium), I. Dimov (Brussels, Belgium), P. Mayo (New York, USA) → 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 A. Vieillard-Baron (Boulogne-Billancourt, France) and V. Labbé (Brussels, Belgium)
16.50	Break
17.15	Myocardial infarction TBC - Mod: D. De Backer (Brussels, Belgium)
17.45	Free access to TTE machines & TEE simulators with instructors and speakers

Wednesday, November 20, 2024



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INTRODUCTION TO HEMODYNAMIC MONITORING

08.30	Evaluation of filling pressures TBC - Mod: M. Slama (Amiens, France)
09.15	[Case presentations]
10.15	Break
10.30	Echocardiographic patterns of acute cor pulmonale A. Vieillard-Baron (Boulogne-Billancourt, France) - Mod: M. Slama (Amiens, France)
11.15	[Case presentations]
11.45	Echocardiography for the ARDS patient A. Vieillard-Baron (Boulogne-Billancourt, France) - Mod: V. Labbé. (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. TBC
16.15	Assessment of valvulopathies TBC - Mod: D. De Backer (Brussels, Belgium)
17.00	Cardiac tamponade P. Mayo (New York, USA) - Mod: F. Annoni (Brussels, Belgium)
17.30	End of the day



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Thursday, November 21, 2024

INTEGRATED APPROACH: CLINICAL SITUATIONS

08.30	Obstructive cardiomyopathy and LVOT dynamic obstruction M. Slama (Amiens, France) - Mod: V. Labbé (Brussels, Belgium)
09.00	How to assess a patient in shock? How to assess a patient in respiratory failure? M. Slama (Amiens, France) - Mod: TBC
09.30	[Case presentations]
10.30	<i>Break</i>
10.45	[Case presentations]
11.15	Myocardial depression in septic shock D. De Backer (Brussels, Belgium) - Mod: F. Annoni (Brussels, Belgium)
12.00	Aortic pathologies TBC - Mod: A. Vieillard-Baron (Boulogne-Billancourt, France)
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 under: - ECMO (VV or VA) and LVAD D. De Backer (Brussels, Belgium) - Mod: A. Herpain (Brussels, Belgium) - pVAD (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>