



INTERNATIONAL UPDATE

Echocardiography for Hemodynamic Monitoring 2022

Brussels, November 15-17, 2022



Tuesday, November 15, 2022

BASICS

	Presentation of the course
09.00	<i>Course directors</i>
09.10	Ultrasound principles and new advances in ultrasound technology M. Slama (Amiens, France) - Mod: A. McLean (Sydney, Australia)
09.40	Transthoracic and transesophageal echo: Indications and planes D. De Backer (Brussels, Belgium) - Mod: M. Slama (Amiens, France)
10.15	Break
10.30	Evaluation of LV systolic function and cardiac output A. McLean (Sydney, Australia) - Mod: D. De Backer (Brussels, Belgium)
11.00	Evaluation of LV diastolic function M. Slama (Amiens, France) - Mod: A. Herpain (Brussels, Belgium)
11.40	Evaluation of RV function and measurement of pulmonary pressure A. McLean (Sydney, Australia) - Mod: A. Vieillard-Baron (Boulogne-Billancourt, France)
12.20	Lunch
13.15	Division into 3 groups for Workshops (3x 60' + 10' rotation)
13.20	1/ TTE hands-on with instructors, divided into: → beginner level (TTE views acquisition, RV assessment, etc.) F. Annoni (Brussels, Belgium), A. Khaldi (Brussels, Belgium), P. Mayo (New York, USA) and A. McLean (Sydney, Australia) → advanced level (PW doppler indices, LV/RV 2D strain, etc.) D. De Backer (Brussels, Belgium), A. Herpain (Brussels, Belgium) and P. Unger (Brussels, Belgium)
	2/ Case stations (GE-EchoPAC) M. Slama (Amiens, France)
	3/ TEE simulators with instructors A. Vieillard-Baron (Boulogne-Billancourt, France)
16.50	Break
17.15	Myocardial infarction P. Unger (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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INTRODUCTION TO HEMODYNAMIC MONITORING

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



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INTEGRATED APPROACH: CLINICAL SITUATIONS

08.30	Obstructive cardiomyopathy and LVOT dynamic obstruction M. Slama (Amiens, France) - Mod: A. Vieillard-Baron (Boulogne-Billancourt, France)
09.00	How to assess a patient in shock? How to assess a patient in respiratory failure? M. Slama (Amiens, France) - Mod: A. McLean (Sydney, Australia)
09.30	[Case presentations]
10.30	Break
10.45	[Case presentations]
11.15	Myocardial depression in septic shock D. De Backer (Brussels, Belgium) - Mod: F. Annoni (Brussels, Belgium)
12.00	Lunch
12.45	Aortic pathologies A. McLean (Sydney, Australia) Mod: A. Vieillard-Baron (Boulogne-Billancourt, France)
13.15	[Case presentations]
13.45	Short clinical cases quiz All the experts
14.20	Echocardiography during cardiac arrest A. Herpain (Brussels, Belgium) - Mod: F. Annoni (Brussels, Belgium)
14.45	Evaluation of the patient under ECMO/LVAD D. De Backer (Brussels, Belgium) - Mod: A. Herpain (Brussels, Belgium)
15.25	Key messages and course conclusions
15.30	End of the course