



IU

INTERNATIONAL UPDATE

Echocardiography for Hemodynamic Monitoring 2021

Brussels, November 16-18, 2021



Tuesday, November 16, 2021

BASICS

09.00	Presentation of the course <i>Course directors</i>
09.15	Ultrasound principles and new advances in ultrasound technology M. Slama (Amiens, France) Mod: A. McLean (Sydney, Australia)
10.00	Transthoracic and transesophageal echo: Indications and planes D. De Backer (Brussels, Belgium) Mod: M. Slama (Amiens, France)
10.45	Break
11.00	Evaluation of LV systolic function and cardiac output A. McLean (Sydney, Australia) Mod: P. Mayo (New York, USA)
11.30	Evaluation of LV diastolic function M. Slama (Amiens, France) Mod: P Mayo (New York, USA)
12.00	Evaluation of RV function and measurement of pulmonary pressure A. McLean (Sydney, Australia) Mod: D. De Backer (Brussels, Belgium)
12.45	Lunch
13.20	Division into 3 groups
13.30	Workshop 1/ TTE hands-on with instructors 2/ Case stations (GE-EchoPAC) M. Slama (Amiens, France) 3/ TEE simulators with instructors Vieillard-Baron (Boulogne-Billancourt, France)
16.30	Break
17.00	Myocardial infarction P. Unger (Brussels, Belgium) Mod: D. De Backer (Brussels, Belgium)
17.30	Free access to TTE hands-on & TEE simulators with instructors and speakers

With the support of CAE Healthcare, GE Healthcare, and Philips Medical Systems

Wednesday, November 17, 2021

INTRODUCTION TO HEMODYNAMIC MONITORING

08.30	Evaluation of filling pressures A. McLean (Sydney, Australia) Mod: M. Slama (Amiens, France)
09.30	Case presentations (TTE and TEE views)
10.30	Break
10.50	Heart-lung interactions and echocardiography to adapt ventilator settings in ARDS A. Vieillard-Baron (Boulogne-Billancourt, France) Mod: P. Mayo (New York, USA)
11.45	Case presentations
12.15	Echocardiographic patterns of acute cor pulmonale A. Vieillard-Baron (Boulogne-Billancourt, France) Mod: A. McLean (Sydney, Australia)
13.00	Lunch with a free access to TTE hands-on & TEE simulators
14.00	Prediction and evaluation of fluid responsiveness P. Mayo (New York, USA) Mod: M. Slama (Amiens, France)
15.00	Case presentations
16.00	Break
16.30	2D strain by speckle tracking imaging A. Herpain (Brussels, Belgium) Mod: A. McLean (Sydney, Australia)
16.50	Basic assessment of valvulopathies P. Unger (Brussels, Belgium) Mod: P. Mayo (New York, USA)
17.20	Echocardiography during cardiac arrest A Herpain (Brussels, Belgium) Mod: A. Vieillard-Baron (Boulogne-Billancourt, France)
17.40	Free access to hands-on & TEE simulators with instructors and speakers

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Thursday, November 18, 2021

INTEGRATED APPROACH: CLINICAL SITUATIONS

08.30	Obstructive cardiomyopathy/dynamic obstruction LVOT M. Slama (Amiens, France) Mod: D. De Backer (Brussels, Belgium)
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
11.00	Case presentations
11.30	Myocardial depression in septic shock D. De Backer (Brussels, Belgium) Mod: A. Vieillard-Baron (Boulogne-Billancourt, France)
12.30	Lunch
13.30	Aortic pathologies A. McLean (Sydney, Australia) Mod: A. Vieillard-Baron (Boulogne-Billancourt, France)
14.15	Case presentations
14.45	Cardiac tamponade P. Mayo (New York, USA) Mod: M. Slama (Amiens, France)
15.30	Evaluation of the patient under ECMO/LVAD D. De Backer (Brussels, Belgium) Mod: P. Mayo (New York, USA)
16.00	Key messages and course conclusions