



International Course
Echocardiography for Hemodynamic Monitoring
Erasme Hospital, Auditorium Jaumotte, November 14-16, 2017

Tuesday, November 14, 2017

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. Vieillard-Baron (Boulogne-Billancourt, France), P. Mayo (New York, USA)
10.00	Transthoracic and transesophageal echo: Indications and planes D. De Backer (Brussels, Belgium) Mod: A. Vieillard-Baron (Boulogne-Billancourt, France), P. Mayo (New York, USA)
10.45	Break
11.00	Evaluation of LV systolic function and cardiac output A. McLean (Sydney, Australia) Mod: A. Vieillard-Baron (Boulogne-Billancourt, France), P. Mayo (New York, USA)
11.30	Evaluation of LV diastolic function M. Slama (Amiens, France) Mod: A. Vieillard-Baron (Boulogne-Billancourt, France), 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), P. Mayo (New York, USA)
12.45	Lunch
13.20	Division into 3 groups
13.30	Workshop 1/ Hands-on P. Mayo (New York, USA), A. McLean (Sydney, Australia), D. De Backer (Brussels, Belgium), A. Herpain (Brussels, Belgium), F. Taccone (Brussels, Belgium), D. Fagnoul (Charleroi, Belgium) & F. Annoni (Brussels, Belgium) 2/ Case stations (GE-EchoPAC) M. Slama (Amiens, France) 3/ TEE simulation stations A. 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 hands-on & TEE simulation stations M. Slama (Amiens, France), D. De Backer (Brussels, Belgium), P. Unger (Brussels, Belgium) A. Vieillard-Baron (Boulogne-Billancourt, France), P. Mayo (New York, USA), A. Herpain (Brussels, Belgium), F. Taccone (Brussels, Belgium), D. Fagnoul (Charleroi, Belgium) & F. Annoni (Brussels, Belgium)

Wednesday, November 15, 2017

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) D. De Backer (Brussels, Belgium), P. Mayo (New York, USA) & A. Herpain (Brussels, Belgium) Mod: M. Slama (Amiens, France)
10.30	Break
10.50	Heart-lung interactions A. Vieillard-Baron (Boulogne-Billancourt, France) Mod: P. Mayo (New York, USA)
11.45	Case presentations D. De Backer (Brussels, Belgium) & A. Herpain (Brussels, Belgium) Mod: P. Mayo (New York, USA)
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 hands-on & TEE simulation stations
14.00	Prediction and evaluation of fluid responsiveness P. Mayo (New York, USA) Mod: M. Slama (Amiens, France)
15.00	Case presentations D. De Backer (Brussels, Belgium), M. Slama (Amiens, France) & A. Herpain (Brussels, Belgium) Mod : P. Mayo (New York, USA) & A. Vieillard-Baron (Boulogne-Billancourt, France)
16.00	Break
16.30	Complications post cardiac surgery J. Poelaert (Brussels, Belgium) Mod: D. De Backer (Brussels, Belgium)
17.00	Speckle tracking in the ICU - Introduction to the techniques A. Herpain (Brussels, Belgium) - Clinical applications A. McLean (Sydney, Australia) Mod: P. Mayo (New York, USA)
17.30	Free access to hands-on & TEE simulation stations M. Slama (Amiens, France), D. De Backer (Brussels, Belgium), A. Vieillard-Baron (Boulogne-Billancourt, France), J. Poelaert (Brussels, Belgium), P. Mayo (New York, USA), A. Herpain (Brussels, Belgium), D. Fagnoul (Charleroi, Belgium) & F. Annoni (Brussels, Belgium)

INTEGRATED APPROACH: CLINICAL SITUATIONS

08.30	Obstructive cardiomyopathy/dynamic obstruction LVOT M. Slama (Amiens, France) Mod: D. De Backer (Brussels, Belgium)
9.00	How to assess a patient in shock? How to assess a patient in acute respiratory failure? M. Slama (Amiens, France) Mod: A. McLean (Sydney, Australia)
09.30	Case presentations P. Mayo (New York, USA), D. De Backer (Brussels, Belgium) & A. Herpain (Brussels, Belgium) Mod: A. Vieillard-Baron (Boulogne-Billancourt, France) & M. Slama (Amiens, France)
10.30	Break
11.00	Case presentations A. Vieillard-Baron (Boulogne-Billancourt, France), M. Slama (Amiens, France) & A. Herpain (Brussels, Belgium) Mod: P. Mayo (New York, USA) & D. De Backer (Brussels, Belgium)
11.30	Myocardial depression in septic shock D. De Backer (Brussels, Belgium) Mod: A. Vieillard-Baron (Boulogne-Billancourt, France)
12.30	Lunch
13.30	New devices (portable ultrasound and continuous TE) A. Vieillard-Baron (Boulogne-Billancourt, France) Mod: P. Mayo (New York, USA)
13.45	Echocardiography to adapt ventilator settings in ARDS A. Vieillard-Baron (Boulogne-Billancourt, France) Mod: P. Mayo (New York, USA)
14.30	Case presentations M. Slama (Amiens, France), D. De Backer (Brussels, Belgium) & A. Herpain (Brussels, Belgium) Mod: A. McLean (Sydney, Australia) & P. Mayo (New York, USA)
15.00	Pulmonary embolism A. McLean (Sydney, Australia) Mod: M. Slama (Amiens, France)
15.30	Cardiac tamponade P. Mayo (New York, USA) Mod: M. Slama (Amiens, France)
16.15	Evaluation of the patient under ECMO/LVAD D. De Backer (Brussels, Belgium) Mod: P. Mayo (New York, USA)
16.45	Key messages