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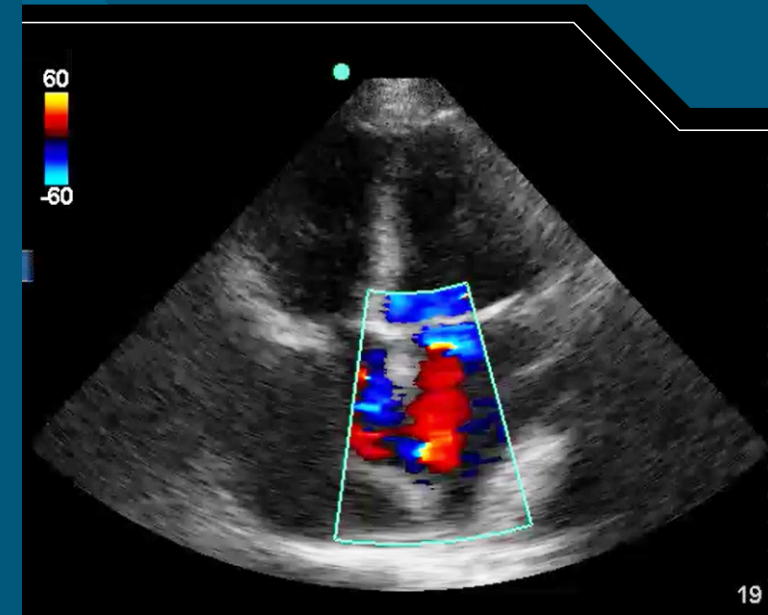
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SECOND INTERNATIONAL FORUM On the Use of Ultrasound for Hemodynamic and Pulmonary Monitoring Applied to the Critically ill Patient



Bogota, Colombia. April 19-21, 2018

Pre-registration at
intforumcc@gmail.com

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THURSDAY, APRIL 19th

8:30 am: Welcome message and presentation of the course.
Dr. Carlos A. Santacruz H. (Colombia)

Basic concepts

8:35-8:55 am: Physical principles of ultrasound.
Dr. Carlos A. Santacruz H. (Colombia)

9:00-9:45 am: Transthoracic and Transesophageal echocardiography: indications and planes.
Prof. Daniel de Backer (Belgium)

9:50-10:35 am: Lung ultrasound, technique and the 10 basic signatures.
Prof. Daniel Lichtenstein (France)

10:35-10:55 am: Refreshment Break.

11:00-12:55 pm: Ultrasound workshop (all):
Group 1: Transthoracic echocardiography: parasternal short axis and long axis, apical 2-4-5 chamber and subcostal basic views.
Prof. Daniel de Backer (Belgium) - Dr. Jose Luis Vargas (Colombia)

Group 2: Assessment of inferior vena cava: B and M mode to measure inferior vena cava diameter and respiratory variations.
Dra Victoria Roncallo (Colombia) - Dr. Andres Felipe Yepes (Colombia)

Group 3: Lung and pleural ultrasound: Lung sliding and A profile.
Prof. Daniel Lichtenstein (France) - Lucio Couto (Brazil)

Group 4: Transesophageal echocardiography: basic principles and planes. **Prof. Antoine Vieillard-Baron (France)**

Group 5: Lower Limbs ultrasound: B mode common and superficial femoral, saphenous and deep veins, femoral common superficial and deep arteries, popliteal vein and artery. **Dr. Mauricio Marquez (Colombia) - Dra. Virginia Zamara (Colombia)**

1:00-1:55 pm: Lunch.

2:00-2:40 pm: Echocardiographic assessment of a patient in hemodynamic shock.
Prof. Daniel de Backer (Belgium)

2:45-3:30 pm: Lung and pleural ultrasound: Diagnostic approach in patients with acute respiratory and circulatory failure.
Prof. Daniel Lichtenstein (France)

3:35-4:35 pm: Case presentations.
1. Lung ultrasound, interactive cases of the BLUE-protocol. **Prof. Daniel Lichtenstein (France)**
2. Transthoracic and Transesophageal echocardiogram. **Prof. Daniel de Backer (Belgium) - Prof. Antoine Vieillard-Baron (France)**

4:40-6:00 pm: Free access to hands-on.

FRIDAY, APRIL 20th

8:30-9:15 am: Prediction and evaluation of fluid responsiveness.
Prof. Antoine Vieillard-Baron (France)

9:20-10:00 am: Assessing systolic function of a patient in hemodynamic shock.
Prof. Daniel de Backer (Belgium)

10:05-11:05 am: Pros/cons debate
- Fluid resuscitation: all I need is echocardiography!
Prof. Antoine Vieillard-Baron (France)
- Fluid resuscitation: echocardiography is not the sole tool!
Prof. Daniel de Backer (Belgium)

11:10-11:55 am: Diastolic evaluation of the left ventricle with emphasis on fluid management and pulmonary edema.
Dr. Antoine Herpain (Belgium)

12:00-1:25 pm: Lunch.

1:30-2:30 pm: Case presentations.
3. Lung ultrasound, interactive cases of the BLUE-protocol. **Prof. Daniel Lichtenstein (France)**
4. Transthoracic and Transesophageal echocardiogram. **Prof. Daniel de Backer (Belgium) - Prof. Antoine Vieillard-Baron (France)**

2:35-3:05 pm: Refreshment break.

3:10-6:00 pm: Ultrasound workshop:
Group 1: Measurement of cardiac output (LVOT diameter, LV VTI, stroke volume). **Prof. Daniel de Backer (Belgium)**
Group 2: Measurement of LVEF. **Dr. Patrick Sampaio (Brasil)**
Group 3: Left ventricle diastolic function: A, E, E/A, E/É waves. **Dr. Antoine Herpain (Belgium) - Dr. Mauricio Marques (Colombia)**

Group 4: Right ventricle: normal shapes, TAPSE. **Dra. Virginia Zarama (Colombia) - Dra Victoria Roncallo (Colombia)**

Group 5: Tricuspid, mitral and aortic valves: basic and color Doppler views. **Dr. Jose Luis Vargas (Colombia) - Dr. Andres Felipe Yepes (Colombia)**

Group 6: Trans-esophageal echocardiographic cardiac output and superior vena cava assessment. **Prof Antoine Vieillard-Baron (France)**

SATURDAY, APRIL 21th

8:30-8:55 am: Mechanical complications of Acute Myocardial Infarction.
Dr. Patrick Sampaio (Brazil)

9:00-9:25 am: Focused echocardiographic evaluation of a patient during cardiopulmonary resuscitation (CPR).
Dr. Antoine Herpain (Belgium)

9:30-9:55 am: Echocardiography evaluation of a patient with septic myocardial dysfunction.
Prof. Daniel de Backer (Belgium)

10:00-10:25 am: Echocardiographic evaluation of a patient in shock post cardiac surgery.
Dr. Patrick Sampaio (Brazil)

10:30-10:55 am: Echocardiographic evaluation of a patient with ARDS.
Prof. Antoine-Vieillard Baron (France)

11:00-11:25 am: Echocardiographic evaluation of a patient with pulmonary embolism.
Dr. Antoine Herpain (Belgium)

11:30-11:55 am: Heart-Lung interactions.
Prof. Antoine-Vieillard Baron (France)

12:00-12:25 am: The role of echocardiography in a patient under Extra Corporeal Membrane Oxygenation (ECMO).
Prof. Daniel de Backer (Belgium)

12:30-12:55 pm: Whole body Ultrasonography in the critically ill.
Prof Daniel Lichtenstein (France)

1:00-1:10 pm: Key messages and conclusions.
Dr. Carlos A. Santacruz H. (Colombia)