



*The Intensive Connection*



## ADVANCED COURSE ON CRITICAL CARE ECHOCARDIOGRAPHY

October 5-6, 2024

Face-to-face, Barcelona, Spain

### DAY 1 – October 5, 2024

#### Afternoon sessions:

*Moderators: M. Balik (chair) and F. Boissier (facilitator)*

- |       |  |   |
|-------|--|---|
| 13:00 | Welcome  | <i>M. Balik</i>   |
| 13:05 | Overview on Advanced Critical Care Echocardiography  | <i>D. De Backer</i>                                       |
| 13:25 | <b>Session 1: Technical aspects:</b><br>TEE: planes, indications, side effects & contra-indications<br>Echocardiography Doppler: pitfalls and limitations<br>Speckle tracking: principles, feasibility and clinical applications in ICU patients | <i>G. Douflé</i><br><i>M. Slama</i><br><i>F. Boissier</i> |
| 14:25 | Q&A  |   |
| 14:40 | <b>Clinical case workshop (1):</b> How to assess a patient with shock#1? (patient with undifferentiated shock in the ED)   | <i>J. Aron</i>  |
| 15:10 | BREAK  |   |

*Moderators: G. Douflé (chair) and M. Slama (facilitator)*

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|-------|--|--|
| 15:25 | <b>Session 2: Left ventricular function and dysfunction:</b><br>Acute reversible LV dysfunctions: differential diagnoses<br>Beyond cardiac output: how to integrate parameters of LV performance<br>Beyond acute respiratory failure: how to assess LV filling pressures?<br>Echocardiography guided management of arrhythmias | <i>M. Chew</i><br><i>P. Vignon</i><br><i>M. Slama</i><br><i>M. Balik</i> |
| 16:45 | Q&A  |  |
| 17:00 | <b>Clinical case workshop (2):</b> How to assess a patient with shock#2? (patient with acute non-ischemic cardiomyopathy)  | <i>F. Clau-Terre</i>   |
| 17:45 | Wrap up  | <i>P. Vignon</i>   |
| 18:00 | END OF DAY 1   |  |



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### DAY 2 – October 6, 2024

#### Morning sessions:

*Moderators: Ghislaine Douflé (chair) and P. Vignon (facilitator)*

- 08:30 Welcome and recap DAY 1 M. Balik
- 08:35 European Diploma: How does it work? J. Aron
- 08:45 **Session 3: Normal valvular function and valvular dysfunction:**  
Normal anatomy (recorded session)  
What the intensivist should know about acute valvulopathies?  
What the intensivist should know about chronic valvulopathies?  
What the intensivist should know about severe infective endocarditis? S. Orde  
F. Boissier  
G. Tavazzi  
P. Vignon
- 10:15 Q&A
- 10:30 BREAK
- 10:45 **Clinical cases workshop (3):** How to assess a patient with shock#3? (patient with acute valvular prosthesis dysfunction) M. Balik
- 11:30 **Session 3: Right ventricular function and dysfunction:**  
How I assess right ventricular systolic function?  
How I use echo in ARDS patient to guide therapy?  
How I assess systemic venous congestion? J. Aron  
F. Boissier  
B. Cholley
- 12:30 Q&A
- 12:45 LUNCH

#### Afternoon sessions:

*Moderators: F. Boissier (chair) and B. Cholley (facilitator)*

- 14:00 **Clinical case workshop (4):** How to assess a patient with shock#4? (patient with massive pulmonary embolism & effects of thrombolysis). A. Vieillard-Baron
- 14:45 **Session 4: Advanced echocardiography in specific settings:**  
How I assess a potential organ donor?  
How I assess patients with suspected cardiovascular trauma?  
How I use TEE in shocked patients after open cardiac surgery? M. Balik  
P. Vignon  
B. Cholley
- 15:30 Q&A
- 15:45 **Clinical case workshop (4):** How to assess a patient with shock#4? (patient with cardiogenic shock requiring VA-ECMO). G. Douflé
- 16:30 Wrap up M. Balik
- 16:35 END OF DAY 2