

MASTER CLASS PROGRAMME Haemodynamic Monitoring

February 24-26, 2020, Brussels, ESICM Training Centre

MONDAY, February 24, 2020

12:00	Registration and lunch	
12:30	Welcome	<i>T. Scheeren & JL Teboul</i>
13:00	Cardiovascular physiology	<i>JL Teboul</i>
	<i>White board lecture followed by Q&A session</i>	
14:00	Assessing and Predicting Fluid Responsiveness	<i>M. Chew, X. Monnet & T. Scheeren</i>
	<i>Lecture 20'</i>	<i>X. Monnet</i>
	<i>Moderated debate – Moderator: JL. Teboul</i>	<i>M. Chew, X. Monnet & T. Scheeren</i>
15:00	Shock: definition and recognition	<i>I. Van Der Horst</i>
	<i>Interactive lecture followed by Q&A session</i>	
16:00	BREAK	
16:30	How to monitor haemodynamics	
	<i>Lecture and case study workshop:</i>	
	<i>Lecture 20'</i>	<i>B Saugel</i>
	<i>Workshop introduction 10'</i>	<i>T. Kaufmann</i>
	<i>Case study workshop 40'</i>	
	<i>Case 1: PAC (Group Red)</i>	<i>D. de Backer & E. Giustiniano</i>
	<i>Case 2: PICCO (Group Blue)</i>	<i>X Monnet & J. Mellinghof</i>
	<i>Case 3: UPWA (Group Yellow)</i>	<i>T. Scheeren & B. Saugel</i>
	<i>Case 4: ECHO (Group Green)</i>	<i>M. Chew & D. Dauwe</i>
	<i>Debriefing 50'</i>	<i>I. Van Der Horst & B Saugel</i>
18:30	Q&A session & Wrap-up 1 st day	<i>T. Scheeren & JL. Teboul</i>
19:00	Networking cocktail	
20:00	END	

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TUESDAY, February 25, 2020

08:45 Objectives of the day *T. Scheeren*

09:00 Parallel sessions: Hands-on & Workshop

Time	Echo Assessment <i>M. Chew, D. de Backer, D. Dauwe, J. Mellinghof</i>	Image Interpretation <i>E. Giustiniano, B. Hiemstra, T. Kaufmann, T. Scheeren & I. Van Der Horst</i>	Case Study Workshop Part I <i>X. Monnet, B. Saugel & JL Teboul</i>
09:00	Group Red	Group Blue	Groups Yellow & Green
10:05	Group Blue	Group Red	

11:10 BREAK

11:30 **Microcirculation and Tissue Oxygenation & Perfusion** *T. Kaufmann, B. Hiemstra & T. Scheeren*

Introductory lecture 30'

Journal Club 60'

13:00 LUNCH WITH THE LEARNER

13:45 Parallel sessions: Hands-on & Workshop

Time	Echo Assessment <i>M. Chew, D. de Backer, D. Dauwe, J. Mellinghof</i>	Image Interpretation <i>E. Giustiniano, B. Hiemstra, T. Kaufmann, T. Scheeren & I. Van Der Horst</i>	Case Study Workshop Part I <i>X. Monnet, B. Saugel & JL Teboul</i>
13:45	Group Yellow	Group Green	Groups Red & Blue
14:50	Group Green	Group Yellow	

15:55 BREAK

16:15 **Haemodynamics specific to Extracorporeal Life Support and/or Mechanical Circulatory Support**

Workshop

D. Dauwe

18:00 Q&A session & Wrap-up 2nd day

T. Scheeren & JL. Teboul

18:30 END

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WEDNESDAY, February 26, 2020

08:45 Objectives of the day *JL Teboul*

09:00 **ARDS and Haemodynamic Effect of Ventilation** *X. Monnet*

Interactive lecture

09:45 Parallel sessions: Simulation, Hands-on & Workshop

Time	ECLS simulation <i>D. Dauwe, E. Giustiniano, F. Vanwingh & L. Vercaemst</i>	Clinical and Perfusion Assessment <i>M. Chew, T. Kaufmann, B. Hiemstra & I. Van Der Horst</i>	Case Study Workshop Part II <i>J. Mellinshof, X. Monnet, B. Saugel & JL Teboul</i>
09:50	Group Red	Group Blue	Groups Yellow & Green
10:50	BREAK		
11:15	Group Blue	Group Red	

12:20 **Haemodynamic Optimisation on High Risk Surgical Patient** *B. Saugel*

Interactive lecture

13:00 LUNCH WITH THE LEARNER

13:45 Parallel sessions: Simulation, Hands-on & Workshop

Time	ECLS simulation <i>D. Dauwe, E. Giustiniano, F. Vanwingh & L. Vercaemst</i>	Clinical and Perfusion Assessment <i>M. Chew, T. Kaufmann, B. Hiemstra & I. Van Der Horst</i>	Case Study Workshop Part II <i>J. Mellinshof, X. Monnet, B. Saugel & JL Teboul</i>
13:45	Group Yellow	Group Green	Groups Red & Blue
14:50	Group Green	Group Yellow	

15:55 Q&A session *Led by JL Teboul & all faculty*

Round Table

16:30 END