



**EDEC CLINICAL CASE COURSE: Advanced Hemodynamic Assessment Using
CCE and Other Monitoring Techniques
27 MAY 2026 – 09:00 - 17:15 (CET)
Format: Online**

Time	Topic	Learning objectives	Experts
09:00	Welcome		M. Slama/ P. Vignon
Part I: Building the complementary hemodynamic approach <i>Moderator / Facilitator: M. Slama, P. Vignon, A. Messina</i>			
09:10	Hemodynamic monitoring in shock: why, when, and how?	Illustrate the indication and purpose of hemodynamic monitoring according to different phases of shock	M. Chew
09:30	TPTD and PATD: What It can and can't do	Illustrate strengths, blind spots, and common misunderstandings	X. Monnet
09:50	 Streaming session #1 CCE: What It can and can't do		C. Brault/ Y. Zerbib
10:35	Assessing fluid responsiveness: a profile-based clinical guide	Choose the most appropriate test according to rhythm, ventilation and hemodynamic monitoring	A. Messina
10:55	CCE and invasive monitoring: from Competition to Complementarity: clinical case	Illustrate how CCE calibrates and contextualizes hemodynamic monitoring	P. Vignon
11:15	Q & A		
11:30	Coffee break		
Part II: Towards a holistic haemodynamic assessment in shock <i>Moderator / Facilitator: P. Vignon, F. Boissier</i>			
11:45	Interactive case From initial assessment to hemodynamic phenotyping in septic shock (3 Breakout rooms, Discussion: F. Boissier, O. Hunsicker, D. Wall, M. Slama, C. Cox, J. Hastings)		J. Hastings
12:50	Lunch time		
Part III: The Right Heart: Why Monitoring Needs Imaging — and Imaging Needs Monitoring <i>Moderator / Facilitator: P. Vignon, O. Hunsicker</i>			
13:45	 Streaming session #2 The Right Heart in an ICU patient	Illustrate the value and limitations of CCE and invasive monitoring in a failing right heart	C. Brault/ Y. Zerbib
14:30	Illustrative case #1 (polls) The Right Heart in a patient with Pulmonary Embolism		M. Nalos
14:50	Guidelines Revisited The New AHA/ACC Guideline on Pulmonary Embolism	Summarize the key updates and identify the main changes in risk stratification and management	O. Hunsicker
15:10	Q & A		
15:25	Break		
Part IV: Beyond the heart: adding lungs and veins to hemodynamic assessment <i>Moderator / Facilitator: M. Balik, B. Cholley</i>			
15:40	Tips & tricks: How to assess pulmonary congestion?	Integrate lung ultrasound findings with CCE and other monitoring techniques to refine bedside evaluation.	D. Wall
15:55	Tips & tricks: How to assess PAP and RV-PA coupling?	Recognize the principles and limitations of assessment of PAP and RV-PA coupling with CCE	E. Bowcock
16:10	Tips & tricks: VExUS or CVP Alone - added value or added complexity?	Recognize the principles and limitations of VExUS and CVP in congestion assessment	J. Aron or C Cox
16:25	Illustrative case #2 (polls) Fluid de-resuscitation after shock		T. Tencer
16:45	Q&A		
17:00	Quiz competition		D. Wall/C. Cox
17:15	Wrap-up/ End of session		