



ISICARE

International Symposium on
Intensive Cardiovascular Care

Brussels, September 7-9, 2025



ISICARE 2025 DRAFT PROGRAM

Opening session

Update meeting / consensus meeting (structured around the following eight themes)

Thematic 1	Peri-Resuscitation and cardiac arrest medicine
	eCPR in 2025: pro - con – decision of jury members
	Patient-tailored therapeutic intervention in the pre-resuscitation period (coronary angiogram, target temperature management, neuromonitoring, hemodynamic, role of echocardiography and mechanical support)
	Patient-tailored therapeutic intervention in the post-resuscitation period (coronary angiogram, target temperature management, neuromonitoring, hemodynamic, role of echocardiography and mechanical support)
Thematic 2	Mechanical circulatory support
	Optimization of VA-ECMO usage (LAVA, VVAA, Central, Axillary, hybrid...)
	The different roles of mechanical assistance in cardiogenic shock (pVAD, ECMO, IABP, LVAD)
	Complications of mechanical assistance (infectious/Hemorrhagic-thrombotic/how to secure the circuit during mobilization.../ Arlequin or PE): prevention and how to deal with them
	Conditions of patients under MCS (ventilation during, optimal MAP, accessory monitoring, anticoagulation strategy...)
	Weaning from mechanical circulatory support (perioperative, long-lasting assistance, how)
	Unloading of the left ventricle: when and how?
	Perioperative use of mechanical circulatory support

Thematic 3	Pharmacology
	Vasopressors (adrenergic agents, VP, Ang II, Blue?)
	Vasodilators (Beta-blockers, calcium blockers, Alfa antagonists, NO donors, etc.)
	Inotropes (Dobutamine, Adrenaline, Levosimendan, PDE inhibitors)
	How/when do I reverse anticoagulants/antiplatelet drugs in critical care?
	How to manage chronic anticoagulants in the ICU
Thematic 4	Echocardiography
	How to monitor mechanical support (before-during placement-after-to wean)
	How to evaluate the right heart (pulmonary embolism, ARDS, Cor Pulmonale, right failure)-PH)
	How to evaluate congestion (left/right filling pressure-VexUS)
	What the intensivist should know about echocardiographic evaluation of valvular disease (Endocarditis, acute mitral regurgitation, dynamic obstruction)
	How to assess/manage a patient with shock
	Perioperative Ultrasound (before, during, and after)
Thematic 5	Hemodynamic management
	Cardiogenic Shock: how to personalize management (objectives, severity)?
	Fluid Resuscitation (liberal vs. restrictive / complexes situations ARDS-right ventricular failure / which fluid? / fluid responsiveness prediction)
	Fluid Removal (renal replacement therapy-diuretics/ MV weaning failure/ fluid accumulation syndrome)
	Rate control in vasoplegic shock (Landiolol, Beta-blockers, Ivabradine)
Thematic 6	Critical care cardiology
	Management of severe acute heart failure (pulmonary hypertension, severe pulmonary embolism, Right ventricular infarction)
	Severe rhythm disorders in the ICU (supraventricular, ventricular)
	Cardiac toxicities of medical treatments (chemotherapy, immunotherapy, intoxications)

	EKG interpretation station
	Pulmonary Embolism (PERT organization, is there still a place for the thrombolysis? Interventional treatments)
	Update on myocardial infarction (state of the art of antithrombotic treatments, transfusion strategies)
	Stress cardiomyopathies (sepsis, tako-tsubo, pregnancy)
	Interventional valvular cardiology (mitraclip-TAVI-POF closure): what the intensivist should know in 2025
	Endocarditis (when to go for surgery? when not? complications?)
Thematic 7	Critical care monitoring
	Clash of titans: pulmonary artery catheter, pulse contour analysis techniques or thermodilution techniques to monitor cardiac output
	Microcirculation monitoring at the bedside: can I use? How?
	Can we predict the future? (prediction tools and AI based monitoring strategies)
	How to monitor a patient with cardiogenic shock? (metabolic perspective-data-integration)
Thematic 8	Perioperative cardiac medicine
Immersive simulation experience	
Scenario 1	A 50-year-old man with thoracic pain
Scenario 2	A 63-year-old post-operative cardiac surgery patient with confusion
Scenario 3	A 35-year-old woman with increasing dyspnea
Plenary sessions	
Plenary session 1	Hemodynamic monitoring: past, present and future (Prof. Jean-Louis Vincent)
Plenary session 2	Expert 2
Plenary session 3	Everything you always wanted to know about cardiovascular physiology but were afraid to ask (Prof. Xavier Monnet)

