

ISICARE 2026 DRAFT PROGRAM

Peri-resuscitation and cardiac arrest medicine

ECPR	<ol style="list-style-type: none"> 1. Who are the correct candidates? (FS Taccone) 2. Optimizing hemodynamic management (B Levy) 3. Competency-based team training, in-situ simulation, and time-to-flow metrics (H Peperstraete)
Key targets in resuscitation	<ol style="list-style-type: none"> 1. Tailored defibrillation vectors (G Ristagno) 2. Ventilation during CPR: how much, how fast, and at what cost? (TM Olsveengen) 3. Advanced life support (G Ristagno)
Improving quality in cardiac arrest	<ol style="list-style-type: none"> 1. From physiology to practice (TM Olsveengen) 2. Cardiac arrest centers: why centralizing care matters (A Sionis) 3. Translational models of cardiopulmonary resuscitation: breaking the gap (G Ristagno)
Controversies after ROSC- 1	<ol style="list-style-type: none"> 1. Optimal post-resuscitation care and outcomes (G Ristagno) 2. Sedation: how deep is too deep? (TM Olsveengen) 3. Post cardiac arrest cardiac failure: is it really a problem? (M Skrifvars)
Controversies after ROSC- 2	<ol style="list-style-type: none"> 1. Sedation of the patient after cardiac arrest: is there data to support this? (M Skrifvars) 2. Neuroprognostication (FS Taccone) 3. Alternative energetic substrates for brain protection (F Annoni)
Controversies after ROSC- 3	<ol style="list-style-type: none"> 1. Can we save the kidneys by targeting a higher MAP after cardiac arrest? (M Skrifvars) 2. Ventilation: balancing CO₂ control, lung protection, and neuroprotection (TM Olsveengen) 3. What is the lowest acceptable mean arterial blood pressure? (M Skrifvars)
Mechanical circulatory support	
Weaning	<ol style="list-style-type: none"> 1. Weaning from temporary MCS: a practical approach (D Dauwe) 2. Pump-controlled retrograde trial off: a novel strategy for VA ECMO weaning (C Vandenbriele) 3. Survivorship after ECMO (H Peperstraete)

Dealing with complications	<ol style="list-style-type: none"> 1. Bleeding complications during ECMO (J Helms) 2. pVAD: fine-tuning and troubleshooting in clinical practice (T Balthazar) 3. Is LV venting necessary for all patients on ECMO? (M Schmidt)
Prevention of complications	<ol style="list-style-type: none"> 1. Complications of MCS and how to avoid them (J Moller) 2. Left ventricular unloading during VA ECMO: why, when, and for whom? (D Dauwe) 3. Preventing ECMO-related complications: are we making progress? (M Schmidt)
Treatment optimization	<ol style="list-style-type: none"> 1. Protecting the brain during ECMO: optimizing cerebral perfusion (D Dauwe) 2. Transfusion strategies during ECMO support (A Vlaar) 3. How to avoid MCS: tips & tricks (M Pavlov)
Specific clinical indications	<ol style="list-style-type: none"> 1. VA ECMO in septic shock: when should it be considered? (D De Backer) 2. When to use ECMO for pulmonary embolism (M Schmidt) 3. Percutaneous biventricular assist devices: enabling patient mobility on full support (T Balthazar)
MCS for cardiogenic shock	<ol style="list-style-type: none"> 1. Selecting mechanical circulatory support (J Moller) 2. Why is ECMO still the first-line temporary MCS? (M Schmidt) 3. Choosing MCS according to phenotype (G Tavazzi)
Pharmacology	
Vasopressors	<ol style="list-style-type: none"> 1. Challenging the reflex to use vasopressors (T Balthazar) 2. Norepinephrine in septic shock: we should start it early! (X Monnet) 3. Vasopressor use during VA ECMO (B Levy)
Hemostasis	<ol style="list-style-type: none"> 1. Restoring fibrinolysis in sepsis induced DIC: a new target for precision therapy? (J Helms) 2. High-dose prophylactic anticoagulation: is it beneficial in ICU patients? (V Labbé) 3. Anticoagulation during temporary MCS: practical management (C Vandembrielle)
Cardiogenic shock	<ol style="list-style-type: none"> 1. Levosimendan: does it still have a role? (B Levy) 2. Targeting inflammation: are we ready? (A Mekontso-Dessap) 3. Inotropes in cardiogenic shock: what's new? (D De Backer)
Vasoactive agents	<ol style="list-style-type: none"> 1. Multimodal strategy for vasopressor use during septic shock (O Hamzaoui) 2. Beta-blockers in the critically ill (F Guarracino) 3. Vasoactive agents in cardiogenic shock (A Proudfoot)

Challenges in pharmacological treatment	<ol style="list-style-type: none"> 1. Guideline-directed medical therapy in acute heart failure: when and how? (T Balthazar) 2. Precapillary pulmonary hypertension: new concepts and therapies (J-L Vachiery) 3. Managing patients on long-term therapeutic anticoagulation in the ICU (F Bagate)
Echocardiography	
Clinical applications of ultrasound	<ol style="list-style-type: none"> 1. Echocardiography in shock: how to use it at the bedside? (O Hamzaoui) 2. Imaging monitoring of MCS (G Tavazzi) 3. Non-invasive ventriculo-arterial coupling in circulatory failure (F Bagate)
Ultrasound in MCS	<ol style="list-style-type: none"> 1. ECMO (F Annoni) 2. LVAD (TBA) 3. pVAD (TBA)
Cardiac function evaluation	<ol style="list-style-type: none"> 1. Left ventricular systolic function and cardiac output (M Slama) 2. Left ventricular diastolic function (G Douflé) 3. Right ventricular systolic function, pulmonary pressures, and right-sided congestion (M Slama)
Echo-live plenary session	Live cases transmissions (S Orde, others)
Ultrasound for cardiac crises	<ol style="list-style-type: none"> 1. Shock during myocardial infarction (V Labbé) 2. Aortic pathologies (TBA) 3. Acute endocarditis (F Bagate)
Hemodynamics	
Advanced hemodynamic monitoring	<ol style="list-style-type: none"> 1. Invasive hemodynamic monitoring (A Sionis) 2. Pulmonary artery catheter: back to the future! (X Monnet) 3. Arterial waveform analysis: what can we learn from it? (A Vlaar)
Fluid management	<ol style="list-style-type: none"> 1. Fluid responsiveness assessment in 2026 (A Messina) 2. How I perform a fluid challenge (X Monnet) 3. Assessment of venous congestion (X Monnet)
Circulatory shock: from targets to management	<ol style="list-style-type: none"> 1. Optimal blood pressure targets in cardiogenic shock (A Vlaar) 2. Septic shock: how to approach (A Messina) 3. Right ventricular failure and shock: a stepwise approach (CL Alviar)

Cardiogenic shock	<ol style="list-style-type: none"> 1. Phenotype-based approach (J Moller) 2. Mechanical complications post-infarction (F Bagate) 3. From ICU to rehabilitation (B Levy)
Hemodynamic monitoring in complex clinical situations	<ol style="list-style-type: none"> 1. Optimizing of heart-lung interaction in ARDS (A Messina) 2. In VA ECMO: focus on perfusion (D Dauwe) 3. Pulmonary artery catheter after cardiac arrest: should we use it? (M Skrifvars)
Cardiopulmonary medicine	
Pulmonary embolism	<ol style="list-style-type: none"> 1. Pulmonary embolism: when is ICU admission indicated? (J Helms) 2. Evolving therapies and emerging evidence (S Price) 3. Beyond the clot: ICU decisions that determine outcomes (M Pavlov)
Valvular disease	<ol style="list-style-type: none"> 1. Valvular shock: from physiology to clinical management (CL Alviar) 2. Acute mitral regurgitation: how to stabilize the patient (T Balthazar) 3. Transcatheter aortic valve implantation: what intensivists should know (M El Mourad)
Acute coronary disease	<ol style="list-style-type: none"> 1. Acute mechanical circulatory support: state of the art (S Price) 2. Acute myocardial infarction in the Cath Lab: what should the intensivist know? (M Pavlov) 3. Antiplatelet drug management (M El Mourad)
Cardiac failure	<ol style="list-style-type: none"> 1. The fantastic 4 in heart failure (C Dewachter) 2. A new way to look at post-capillary pulmonary hypertension (J-L Vachieri) 3. New guidelines for acute cardiac failure (C Dewachter)
Specific cardiac conditions	<ol style="list-style-type: none"> 1. Stress-related cardiomyopathy: pathophysiology and management (G Tavazzi) 2. Sepsis-induced myocardial dysfunction: is it time for a consensus? (M Chew) 3. Adults with congenital heart disease in the ICU (S Price)
Perioperative cardiac medicine	
Perioperative	<ol style="list-style-type: none"> 1. Intraoperative hypotension and cardiac output monitoring: are they still relevant? (M Chew) 2. Coagulation phenotypes in circulatory failure: toward bedside hemostasis (H Peperstraete) 3. GLP-1 receptor agonists in patients undergoing surgery (M Legrand)
Perioperative complications	<ol style="list-style-type: none"> 1. Renin-angiotensin aldosterone system inhibitors in the perioperative period (M Legrand) 2. LVAD: from the operating room to ICU management (TBA) 3. Optimal blood pressure targets in surgical patients (M Legrand)

Perioperative – cardiac surgery	<ol style="list-style-type: none"> 1. Peri-operative atrial fibrillation: when to anticoagulate (V Labbé) 2. Should we supplement amino acids in all cardiac surgery? (TBA) 3. Peri-operative atrial fibrillation: hemodynamic management (V Labbé)
Physiology	
Heart and mechanical ventilation	<ol style="list-style-type: none"> 1. Coronary flows effect of PEEP (M Slama) 2. Pathophysiology of the right ventricle and pulmonary-vascular interactions (F Guarracino) 3. Hemodynamic effects of PEEP (X Monnet)
Debate on mixed shock	<p>Mixed shock: pathophysiology & management (A Proudfoot)</p> <p>Mixed shock does not exist (D De Backer)</p>
Challenges	<ol style="list-style-type: none"> 1. The challenges of using filling pressures as preload measures (T Balthazar) 2. Hemodynamic physiology beyond limits: lessons from giraffes and whales (A Messina) 3. The RIDDLER or East-West syndrome: new pitfalls in awake peripheral VA ECMO (C Vandenbriele)
Plenary sessions	
A. Mekontso-Dessap	Frugal innovation in critical care
J. Moller	Contemporary management of AMI - Cardiogenic shock
M. Chew	The enigma of cardiac dysfunction in sepsis

TBA: to be announced