

# The IX<sup>th</sup> Perioperative Medicine and Intensive Care Conference



Cluj  
Anaesthesia  
Days

JUNE 24-27, 2026  
CLUJ-NAPOCA



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## ***WORKSHOPS PROGRAM***

### ***The IX<sup>th</sup> Perioperative Medicine and Intensive Care Conference***

**Wednesday, June 24, 2026**

#### **10:30 - 12:30 - Thoracic Drainage Management**

**Venue:** Simulation Center – UMF Cluj-Napoca

**Objectives:** Understanding and practicing thoracic drainage techniques, as well as the main types of chest drainage systems.

**Description:** Indications, live demonstration, and hands-on training in the ICU (Pulmonology Hospital). Types of pleural drainage systems include: bicameral and tricameral chest drainage systems, UNICO percutaneous drainage system, ASEPT pleural drainage system, and Pleurofix pleural puncture system.

**Trainers:** Monica Mleşnițe, MD; Assistant Professor Medeea Tițu, MD; Erika Hajdu, MD; Florin Teterea, MD; Associate Professor Emanuel Palade, MD, PhD.

**Participants:** 2 groups – maximum 12 participants

#### **13:00 - 15:00 - Respiratory Failure in the Critically Ill Patient. Clinical Case Scenarios**

**Venue:** Simulation Center – UMF Cluj-Napoca

**Objectives:** This workshop aims to deepen participants' knowledge of respiratory failure management in critically ill patients through simulation-based clinical scenarios using advanced Human Patient Simulators (HPS). The sessions take place in SimLab Cluj-Napoca, one of the most advanced ICU simulation centers in the region, led by experienced simulation instructors.

**Trainers:** Associate Professor Cristina Petrișor, MD, PhD; Lecturer Horațiu Vasian, MD, PhD; Associate Professor Simona Mărgărit, MD, PhD; Assistant Professor Robert Szabo, MD, PhD.

**Intended for:** Specialists, consultants, and residents in Intensive Care or Emergency Medicine

**Maximum participants:** 10 participants (minimum 5)

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## 15:30 - 17:30 - Difficult airway management. Hands-on training and clinical case scenarios

**Venue:** Simulation Center – UMF Cluj-Napoca

**Objectives:** The workshop aims to deepen participants' knowledge of difficult airway management in accordance with the latest international guidelines and emphasizes hands-on practice of the techniques required in such situations. It also includes the simulation of various clinical scenarios using state-of-the-art advanced mannequins that realistically replicate difficult airway cases.

The workshop takes place at SimLab Cluj-Napoca, the most advanced regional simulation center in intensive care, staffed by personnel with extensive experience in ICU simulation.

**Trainers:** Lecturer Horațiu Vasian, MD, PhD; Associate Professor Simona Mărgărit, MD, PhD; Associate Professor Cristina Petrișor, MD, PhD; Assistant Professor Cătălin Constantinescu, MD, PhD; Assistant Professor Cristiana Osoian, MD; Oszkar Bondar, MD.

**Intended for:** ICU attending physicians, specialists, and residents, as well as emergency medicine physicians

**Maximum participants:** 10 participants (minimum 5)

## Thursday, June 25, 2026

## 09:00 - 11:00 - Percutaneous tracheostomy in the critically ill patient

**Venue:** ICU Department – Surgery II, Emergency County Hospital (SCJU) (depending on the feasibility of performing the demonstration on a patient)

This workshop is dedicated to ICU physicians and aims to provide an integrated theoretical and practical approach to the percutaneous tracheostomy technique.

### Objectives:

- Familiarization with **standardized techniques**, as well as the **indications and contraindications of percutaneous tracheostomy**
- Understanding the **role of bronchoscopic and ultrasound guidance** in increasing procedural safety
- Identification and prevention of **early and late complications**
- Integration of the procedure into a **real clinical context, with an emphasis on patient safety**

**Workshop structure:** **Theoretical introduction** (current indications and optimal timing of tracheostomy, patient selection and pre-procedural preparation, management of sedation, analgesia,

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and ventilation during the procedure). **Practical demonstration** (required equipment, identification of anatomical landmarks—clinical and ultrasound-guided—and demonstration of the percutaneous tracheostomy technique). **Hands-on session** (practice of the procedure on anatomical models).

## Complication management

**Trainers:** Lecturer Caius Breazu, MD, PhD; Florin Marchis, MD, PhD; Assistant Professor Alexandru Alexa, MD, PhD.

**Maximum participants:** 10 participants

## 09:00 - 12:00 - ECMO – Indications, cannulation, and initial management

**Venue:** Clinical ICU Department – Heart Institute, Cluj-Napoca

**Objectives:** Simulation workshop dedicated to the management of critically ill patients with an indication for ECMO (**Extracorporeal Membrane Oxygenation**). The course aims to deepen fundamental knowledge regarding patient selection, choice of ECMO modality, cannulation, and initiation of extracorporeal support. The activity is conducted through simulated clinical case scenarios using a mannequin and the **CardioHelp** device, with hands-on cannulation practice in accordance with current international guidelines (ELSO, ESICM). A hands-on session is included, with the possibility of observing a patient in the hospital, depending on the clinical context.

**Trainers:** Bojan Stevics, MD (Getinge, Serbia); Assistant Professor Adrian Ștef, MD, PhD.

**Intended for:** ICU attending physicians, specialists, and residents, as well as emergency medicine physicians

**Maximum participants:** 10 participants (maximum 15)

## 11:30 – 14:30 - Neuromonitoring Using Transcranial Doppler (TCD) – Theory and Practice

**Venue:** Surgery Clinic III, Library, IRGH

**Workshop Description:** Participants will have the opportunity to review the fundamental principles of transcranial Doppler ultrasonography and its role in neuromonitoring. The workshop will cover the main clinical applications of TCD, including intracranial pressure monitoring, diagnosis and monitoring of cerebral vasospasm, and assessment of brain death. The practical part will include demonstrations and hands-on training, allowing participants to practice basic transcranial Doppler

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techniques using multidisciplinary ultrasound devices and volunteers (participants) in the supine position.

**Educational Objectives:** By the end of the workshop, participants will acquire fundamental theoretical knowledge regarding the use of transcranial Doppler in neuromonitoring, as well as basic practical skills necessary to perform the examination and interpret the main ultrasound parameters.

**Coordinator:** Professor Béla Fülesdi, MD, PhD (Hungary)

**Intended for:** Session dedicated to residents/specialist physicians.

**Duration:** 0.5 hours theoretical session, 2.5 hours practical session

**Maximum participants:** 10 participants (minimum 3)

## 12:00 - 14:00 - Smart Ventilation: the role of electrical impedance tomography at the patient's bedside

**Venue:** Workshop Room, Hotel Napoca

**Objectives:** The workshop aims to familiarize participants with a modern technique for real-time pulmonary diagnosis and monitoring: **electrical impedance tomography**. This non-invasive method allows assessment of ventilation distribution and the ventilation/perfusion ratio and is particularly useful in the following clinical situations: evaluating **the effect of PEEP during mechanical ventilation**; early identification of **atelectasis, bronchial obstruction**, or other ventilation abnormalities; suspicion of **pulmonary thromboembolism**; optimization of patient positioning (including decisions regarding prone positioning); and **individualized adjustment of ventilatory parameters** in complex cases where other monitoring methods do not provide sufficient information. This technology is indispensable in the management of mechanically ventilated critically ill patients, providing continuous, non-invasive functional imaging available directly at the bedside.

**Trainers:** Associate Professor Mădălina Duțu, MD, PhD; Assistant Professor Adrian Tuță, MD; Assistant Professor Sergiu Sargarovschi, MD.

**Intended for:** ICU attending physicians, specialists, and residents, as well as emergency medicine physicians

**Maximum participants:** 10 participants (minimum 3)

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***Workshop dedicated to nurses***

**Thursday, June 25, 2026**

**10:00 - 12:00 - Workshop and practical activities dedicated to ICU nurses: “The role of modern technologies and techniques in the prevention of healthcare-associated infections”**

**Venue:** Workshop Room, Hotel Napoca

**Objectives:** Familiarizing ICU nurses with new technologies and products that can help reduce the incidence of healthcare-associated infections (HAIs). The workshop includes theoretical presentations and practical nursing demonstrations in intensive care.

**Coordinators:** Rodica Lupu, As. Head of the ICU Department (Cluj County Emergency Hospital)  
Daria Mureşan, As. Head of the ICU Department (IRGH Cluj)

**Station 1. How do current technologies address the challenges of healthcare-associated infections (HAIs) – Daria Mureşan, Head Nurse, ICU Department (IRGH Cluj-Napoca)**

**Station 2. The impact on upper respiratory tract infections following the use of oral hygiene kits – comparative presentations – Rodica Lupu, Head Nurse, ICU Department (Cluj County Emergency Hospital) and Steliana Neag, Head Nurse, ICU Department (Cluj Municipal Clinical Hospital)**

**Station 3. Antimicrobial technology in the suction of biological fluids in patients – comparative presentations – Ioana Campan, ICU Nurse (Cluj County Emergency Hospital) and Dr. Lavinia Trif, Head of ICU Department (Satu Mare County Emergency Hospital)**

**Station 4. The impact of long-term closed suction systems on the incidence of ventilator-associated pneumonia – Petru Cotrau, PhD, Deputy Head Nurse, ICU Department (Bihor County Emergency Hospital)**

**Maximum participants:** 20 participants/station (minimum 3 pax/station)