



**International Conference -**

**"Emergency Medicine and Intensive Care Modern Issues"**

**November 14-15, 2025**

**Conference Organizers:**

- Tbilisi State Medical University (TSMU)
- TSMU First University Clinic

**Conference Support:**

- Health Care and Social Issues Committee, Parliament of Georgia
- Ministry of Internally Displaced Persons from the Occupied Territories, Labor, Health and Social Affairs of Georgia

### **Conference President:**

- **Baron Jean-Louis Vincent** (Professor, Department of Intensive Care at the Free University of Brussels, President of the World Federation of Societies of Intensive and Critical Care Medicine, Brussels, Belgium)

### **Organizing Committee:**

**Levan Ratiani** - Professor, General Director of the First University Clinic of TSMU, Head of the Direction of Anesthesiology, Reanimatology and Toxicology, TSMU

**Luiza Gabunia** - Professor, Head of the Department of Clinical Pharmacology, Director of the TSMU Scientific Skills Center, TSMU

**Zaza Lominadze** - Chair of the Health Care and Social Issues Committee, Parliament of Georgia

**Irakli Natroshvili** - Professor, Rector of Tbilisi State Medical University

**Zaza Bokhua** - Professor, Director of the TSMU Institute of Postgraduate Medical Education and Continuing Professional Development

**Sophia Bakhtadze** - Professor, Vice-Rector for Research, TSMU

**Ilia Nakashidze** - Head of the Critical Medicine Department, Batumi Shota Rustaveli State University, President of the Society of Anesthesiologists and Reanimatologists in Georgia

**Ekaterine Nandoshvili** - Senior Specialist in Acute Medicine, Consultant at Epsom and St. Helier University Hospitals, Head of Residency Program (Great Britain)

**Ketevan Machavariani** - Associate Professor, TSMU Department of Anesthesiology and Reanimatology

**Nino Khunashvili** - Head of the Cardiology Service, the First University Clinic of TSMU

**Jeny Jankhoteli** – Reanimatologist, the First University Clinic of TSMU

**Avtandil Chitadze** - Head of the Public Relations Service, the First University Clinic of TSMU

### **Scientific Committee:**

**Vakhtang Shoshiashvili** - Assistant Professor, TSMU Department of Anesthesiology and Reanimatology; Anesthesiologist-Reanimatologist at the First University Clinic

**Samson Kajaia** - Head of the Department of Anesthesiology and Reanimatology, Chapidze Emergency Cardiology Center, Tbilisi, Georgia

**Shorena Khetsuriani** - Chief Specialist of the Scientific Skills Center, Associate Professor of the Microbiology Department, TSMU

**Natia Gamkrelidze** - Chief Specialist of the Scientific Skills Center, Associate Professor of the Pathophysiology Department, TSMU

**Magda Rurua** - MD, PhD, Reanimatologist, Invited Lecturer of the Anesthesiology and Reanimatology Department, the First University Clinic of TSMU

### **Software Support of the Conference - Davit Gvasalia (TSMU)**

## **P r o g r a m**

**Venue:** Tbilisi State Medical University (Vazha-Pshavela 33, Administration Building)

**Conference Languages - Georgian, English**

**Presentation Time Limit - 15-20 minutes**

### **November 14 (Friday)**

- **10:00 – 10:30 – Registration**
- **10:30 – 12:00 – Opening of the Conference**
- **Welcome Speeches:**
  - **Mikheil Sarjveladze**, Minister of Internally Displaced Persons from the Occupied Territories, Labor, Health, and Social Affairs of Georgia
  - **Zaza Lominadze**, Chair of the Health Care and Social Issues Committee, Parliament of Georgia
  - **Irakli Natroshvili**, Professor, Rector of TSMU

**Greeting/Presentation: Jean-Louis Vincent - How will Artificial Intelligence Change Sepsis Management?**

**Greeting/Presentation: Steve Hayer** (Clinical Professor at St George's University, London, UK) - **Best Clinical Practices in the Countries of the United Kingdom (GMC)**

**Greeting/Presentation: Ekaterine Nandoshvili** (Senior Specialist in Acute Medicine, Consultant at Epsom and St Helier University Hospitals, UK Residency Program Lead) - **Acute and General Medicine as Leading Specialties in the UK. The Structure and Specifics of Acute Medicine in London.**

### **❖ 12:00 – 12:30 - Coffee Break**

### **12:30 - 18:00 - Section #1 - Management of Acute Respiratory System Failure in Intensive Care**

**Moderators: Ekaterine Nandoshvili** (London), **Ilia Nakashidze** (Georgia)

- **How to Manage Acute Respiratory Distress Syndrome in the Future?** - Jean-Louis Vincent, Professor of the Department of Intensive Medicine, Free University of Brussels
- **We still over-manage sedate (mechanically ventilated) patients** - Knut Taxbro, Consultant of Anaesthesia and Intensive Care Medicine at Region Jönköpings Län, Sweden.
- **Management of Acute Respiratory System Failure in Emergency and Intensive Care** - Levan Ratiani, Professor, Head of the Direction of Anesthesiology, Reanimatology, and

Toxicology, TSMU; Ketevan Machavariani, Associate Professor of the TSMU Department of Anesthesiology and Reanimatology.

- **Vascular Component of Pathophysiological Changes in Acute Respiratory Distress Syndrome** - Ilia Nakashidze, Head of the Critical Medicine Department, Batumi Shota Rustaveli State University, President of the Society of Anesthesiologists and Reanimatologists in Georgia

❖ **Break - 60 minutes**

- **Acute Respiratory Distress Syndrome in Pregnant Women: Etiology, Pathogenetic, and Clinical Features** - Tamar Megrelishvili, Associate Professor of the TSMU Department of Infectious Diseases, Infectiologist at the the First University Clinic of TSMU .
- **Novelties in the Medical Therapy of Acute Respiratory Distress Syndrome** - Luiza Gabunia, Professor, Head of the Department of Clinical Pharmacology, Director of the Scientific Skills Center, TSMU
- **Management of Pulmonary Infiltrates in Intensive Care** - Magda Rurua, Assistant Professor of the Department of Anesthesiology and Reanimatology, TSMU; Jeni Jankhoteli, Reanimatologist at the Department of Critical Care Medicine, the First University Clinic of TSMU .
- **The Prognostic Value of Systemic Inflammatory Markers in Patients with Acute Respiratory Distress Syndrome** - Tsotne Samadashvili, Head of the Department of Anesthesiology and Surgical Operations at Caucasus Medical Center, President of the Georgian Society of Anesthesiology and Intensive Therapy.
- **Artificial Intelligence in Emergency Medicine and Intensive Care: Benefit or Threat?** - Tornike Zedelashvili, Employee of the Information Security Department at the Digital Governance Agency, Ministry of Justice; Levan Ratiani, Professor, Head of the Direction of Anesthesiology, Reanimatology, and Toxicology, TSMU.

**November 15 (Saturday)**

**10<sup>00</sup>– 15<sup>00</sup> -Section #2 - Managing Acute Infections in Intensive Care**

**Moderators: Tamar Megrelishvili, Elene Pachkoria (Georgia)**

- **What is the future of "sepsis drugs"?! - Jean-Louis Vincent**, Professor, Department of Intensive Care at the Free University of Brussels
- **Managing Acute Liver Failure in Leptospirosis** - Tamar Megrelishvili, Associate Professor of the Department of Infectious Diseases, TSMU
- **Cancer and Crisis: From the EU Cancer Mission to Health System Preparedness and Emergency Response** - Christos Tsagkaris, Member of the “Horizon Europe” Cancer Mission Board (Switzerland), Doctoral Candidate at the Faculty of Medicine, Aristotle University of Thessaloniki (Greece).
- **Draining Acute Obstructive Uropathy: Nephrostomy or Stenting?!** - David Kochiashvili, Head of the Department of Urology, TSMU, Professor; Giorgi Kochiashvili, Associate Professor of the Department of Urology, TSMU.

- **Septic Shock, Acute Infections, and Their Management Issues** - Tamar Didbaridze, Head of the Department of Microbiology, TSMU, Professor; Elene Pachkoria, Associate Professor of the Department of Infectious Diseases, TSMU.
- **Current Aspects of Managing Catheter-Associated Infections in Intensive Care** - Ketevan Machavariani, Associate Professor of the Department of Anesthesiology and Reanimatology, TSMU.
- **Modern Aspects of Meningoencephalitis Treatment** - Maia Beridze, Head of the Department of Propaedeutics of Nervous Diseases and Topical Diagnostics, TSMU, Professor.
- **Soft Tissue Infections in Intensive Care** - Lia Goliadze, Head of the Adult Infectious Pathology Department at V. Bochorishvili Clinic; Shota Goliadze, Reanimatologist-Anesthesiologist at the First University Clinic of TSMU .

❖ **Break - 30 min**  
(15:00 - 15:30)

**15<sup>30</sup> - 17<sup>30</sup> - Masterclass: Medical Education in the UK in Intensive/Acute/General Medicine and the Specifics of Medical Specialties.**

1. **"Royal College Examination"** - **Mark Sutton-Smith** (BSc, DIC, PhD, MD, BM, FRCP, Clinical Director and Professor at Epsom and St Helier University Hospitals, London, United Kingdom).
2. **The Best Medical Preparation/education for Foreign Doctors and GMC registration** - **Steve Hayer** (Clinical Professor at St George's University, London, United Kingdom).
3. **Reflection of Good Medical Practice in International Recruitment for Appraisal and Revalidation** - **Nino Nandoshvili** (Medical Staffing Officer at Epsom and St Helier University Hospitals, London, United Kingdom).

**15<sup>30</sup> - 18<sup>30</sup> - Section #3 - Modern Aspects of Shock Management in Intensive Care**

**Moderators: Ketevan Machavariani, Tsotne Samadashvili (Georgia)**

- **Hemodynamic Management of Shock States: New Guidelines** - Jean-Louis Vincent, Professor of Intensive Care Medicine at the Université Libre de Bruxelles.
- **Pharmacological Management Issues in the Post-Recanalization Period of Acute Myocardial Infarction** - Nino Khunashvili, Head of the Cardiology Service at the First University Clinic of TSMU .
- **Management of Hemodynamic Failure in Critical Care** - Lali Patsia, Cardiologist at the First University Clinic of TSMU .
- **Modern Approaches to the Pathophysiology and Classification of Shock in Critical Care** - Vakhtang Shoshiashvili, Assistant Professor of the Department of Anesthesiology, Reanimatology, TSMU.

- **Modern Aspects of Managing Septic Shock Caused by Resistant Pathogens** - Ivrita Khvedelidze, Reanimatologist at the First University Clinic of TSMU .
- **Peculiarities of Prognostic Indicators of Syndromic Molecules in Sepsis and Septic Shock in Critical Care Patients** - Ekaterine Khuchua, Head of Anesthesiology Service at the First University Clinic of TSMU .
- **Modern Approaches to the Management of Acute Heart Failure and Cardiogenic Shock in Emergency Medicine** - Giorgi Barabadze, Head of the Department of Emergency Medicine, the First University Clinic of TSMU .
- **The Importance of Hyperlactatemia in the Outcome of Any Genesis Shock** - Ramaz Kalandadze, Tiko Gafrindashvili, Reanimatologists, the First University Clinic of TSMU .
- **Management of Hyperglycemic Coma with Glucocorticoids in Hospitalized Patients with Diabetes Mellitus** - Karen Grigoryan, Assistant Professor of the Department of Endocrinology, TSMU.

**18:30 - 19:00 - Conference Closing**