

ORGANISERS

Croatian Medical Council - hlz.hr Croatian Society for Intensive Care Medicine - hdim.hlz.hr Clinical Department for Anesthesiology and Intensive Care Medicine, University Hospital Dubrava, Zagreb, Croatia - kbd.hr University of Zagreb School of Dental Medicine - sfzg.unizg.hr

ORGANISING COMMITTEE:

President: Jasminka Peršec

Members: Tomislav Breitenfeld, Andrej Šribar, Gordana Brozović, Sanda Stipić Stojanović, Stoja Erić, Edita Grbavac, Ivana Haršanji Drenjančević, Nataša Gocić Perić,

Vlasta Merc, Nikola Bradić, Ivan Bandić

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Dear colleagues,

It is my great honor and pleasure to invite you to the 15th International Congress of Intensive Care Medicine, which will be held in Zagreb, Sheraton Hotel, from April 12th to 13th, 2024, organized by the Croatian Society for Intensive Care Medicine of the Croatian Medical Association. The Croatian Society for Intensive Care Medicine has been maintaining the continuity of professional and scientific education for many years, striving to bring new knowledge to its members, the implementation of which has always contributed to the progress of intensive care medicine.

With this year's thematic units, we want to cover as many important areas of intensive care medicine as possible: new possibilities in hemodynamic monitoring, mechanical ventilation, sepsis and blood purification, coagulopathy and infections in the intensive care unit, volume replacement, invasive procedures in the intensive care unit, new strategies and possibilities in the intensive care unit.

In addition to invited lectures by top domestic and foreign experts, there will be a special section for short oral presentations as part of the Congress. All "in extenso" papers will be published in the supplement of the "Liječnički Vjesnik" (online edition).

The official languages of the Congress: Croatian and English. The meeting will be accredited according to the Rules of the Croatian Medical Chamber. Residents are allowed to participate in the Congress without a registration fee.

I invite all of you to enhance this meeting by your participation so that we can contribute to better and stronger networking in intensive care medicine, because the exchange of knowledge and experience always leads us to the final joint success.

Additional information about the Congress is available on the official website of the Croatian Society for Intensive Care Medicine – http://hdim.hlz.hr.

We look forward to your participation in the work of the Congress and we cordially expect you!

Head of the organizing committee President of the Croatian Society for Intensive Care Medicine prof. Jasminka Peršec, MD, PhD

INVITED LECTURERS:

Davor Barić, MD, PhD, Prim., Department for Cardiac and Transplant Surgery, University Hospital Dubrava, Zagreb, Croatia

Jan Benes, MD, PhD, Assoc. Prof., Department for Anesthesiology, Intensive Medicine and Resuscitation, University Hospital Plzen, Pilsen, Czech Republic

Nikola Bradić, MD, Prim., Clinical Department for Anesthesiology, Reanimatology and Intensive Care Medicine, University Hospital Dubrava, Zagreb, Croatia

Tomislav Breitenfeld, MD, PhD, Prof., Clinical Department for Neurology, University Hospital Centre Sestre Milosrdnice, Zagreb, Croatia

Mislav Budišić, MD, Clinical Department for Neurology, University Hospital Centre Sestre Milosrdnice, Zagreb, Croatia

Miljenko Crnjaković, MD, PhD, Department for Neurology, University Hospital Dubrava, Zagreb, Croatia

Vesna Durnev, MD, PhD, Assoc. Prof., President of Macedonian Society of Anaesthesiologists and Intensive Care Medicine, Department for Neurosurgical Intensive Care Unit, University Clinic for Anaesthesia, Reanimation and Intensive Care, Clinical Centre Mother Teresa Skopje, Republic of North Macedonia

Żeljka Gavranović, MD, Department for Anesthesiology, Intensive Care Medicine and Pain Medicine, University Hospital Centre Sestre Milosrdnice, Zagreb, Croatia

Sandro Glumac, MD, PhD, Asst. Prof., Clinical Department for Anesthesiology, Reanimatology and Intensive Care Medicine, University Hospital Centre Split, Croatia

Nataša Gocić Perić, MD, Clinical Center of Vojvodina, Novi Sad, Serbia

Oliver Grottke, MD, PhD, MPH, Asst. Prof., University Clinic RWTH Aachen, Germany

Ivana Haršanji Drenjančević, MD, PhD, Asst. Prof., Clinical Department for Anesthesiology, Reanimatology and Intensive Care Medicine, University Hospital Centre Osijek, Croatia

Matthias Heringlake, MD, PhD, Prof., Director of the Department for Anesthesiology and Intensive Care Medicine, Karlsburg Hospital, Karlsburg, Germany

Radmilo Janković, MD, PhD, Prof., President of Serbian Association of Anaesthesiologists and Intensivists, Clinical Department for Anesthesia and Intensive Therapy, Clinical Centre Niš, Serbia

Gordana Jovanović, MD, PhD, Prof., Clinical Center of Vojvodina, Novi Sad, Serbia

Armin Kalenka, MD, PhD, Asst. Prof., Clinical Department for Anesthesiology, University Hospital Heidelberg, Germany

Rihard Knafelj, MD, PhD, Department of Internal Intensive Care Medicine, University Medical Centre Ljubljana, Slovenia

Gordana Kristek, MD, PhD, Asst. Prof., Clinical Department for Anesthesiology, Reanimatology and Intensive Care Medicine, University Hospital Centre Osijek, Croatia

Vjeran Leventić, MD, Clinical Department for Anesthesiology, Reanimatology and Intensive Care Medicine, University Hospital Centre Osijek, Croatia

Daniel Lovrić, MD, PhD, Prim., Clinical Department for Cardiovascular Medicine, University Hospital Centre Zagreb, Croatia

Milica Lukić, MD, President of Slovenian Society of Intensive Care Medicine, Department of Internal Intensive Care Medicine, University Medical Centre Ljubljana, Slovenia

Vlasta Merc, MD, Clinical Department for Anesthesiology, Reanimatology and Intensive Care Medicine, University Hospital Dubrava, Zagreb, Croatia

Mate Moguš, MD, Clinical Department for Anesthesiology, Reanimatology, Intensive Care Medicine and Pain Therapy, University Hospital Centre Zagreb, Croatia

Zsolt Molnar, MD, PhD, Prof., University Department for Anaesthesiology and Intensive Therapy Centre for Translation Medicine, Semmelweis University, Budapest, Hungary

Višnja Nesek Adam, MD, PhD, Assoc. Prof., President of the Croatian Society of Emergency Medicine, Clinical Department for Anesthesiology, Resuscitation and Intensive Care, Clinical Hospital Sveti Duh, Zagreb, Croatia

Axel Nierhaus, MD, Department for Intensive Care, University Medical Centre Hamburg, Germany

Helena Ostović, MD, Clinical Department for Anesthesiology, Reanimatology and Intensive Care Medicine, University Hospital Dubrava, Zagreb, Croatia

Marin Pavlov, MD, PhD, Asst. Prof., Department for Cardiovascular Medicine, University Hospital Dubrava, Zagreb, Croatia

Radmila Popović, MD, PhD, Assoc. Prof., Clinical Department for Anesthesiology and Intensive Care Medicine, Clinical Center of Vojvodina, Novi Sad, Serbia

Marko Pražetina, MD, Clinical Department for Anesthesiology, Reanimatology and Intensive Care Medicine, University Hospital Dubrava, Zagreb, Croatia

Vedran Premužić, MD, PhD, Clinical Department for Internal Medicine, University Hospital Centre Zagreb, Croatia

Marija Santini, MD, PhD, President of the Croatian Society for Infectious Diseases, University Hospital for Infectious Diseases "Dr. Fran Mihaljević", Zagreb, Croatia

Marcus Schultz, MD, PhD, Prof., Professor of Experimental Intensive Care, Faculty of Medicine, University of Amsterdam, Netherlands

Sonja Škiljić, MD, Clinical Department for Anesthesiology, Reanimatology and Intensive Care Medicine, University Hospital Centre Osijek, Croatia

Jasmina Smajić, MD, PhD, Assoc. Prof., President of the Federation BiH Society of Anaesthesiology and Intensive Care Medicine, University Hospital Centre Tuzla, Bosnia and Hercegovina

Vlatka Sotošek, MD, PhD, Prof., Clinical Department for Anesthesiology, Intensive Care Medicine and Pain Medicine, University Hospital Centre Rijeka, Croatia

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Tina Tomić Mahečić, MD, Clinical Department for Anesthesiology, Reanimatology, Intensive Care Medicine and Pain Therapy, University Hospital Centre Zagreb, Croatia

Dmitar Vlahović, MD, Clinical Department for Neurology, Clinical Center of Vojvodina, Novi Sad, Serbia

Vilena Vrbanović Mijatović, MD, PhD, Asst. Prof., Clinical Department for Anesthesiology, Reanimatology, Intensive Care Medicine and Pain Therapy, University Hospital Centre Zagreb, Croatia

Marinko Vučić, MD, PhD, Asst. Prof., Department for Anesthesiology, Intensive Care Medicine and Pain Medicine, University Hospital Centre Sestre Milosrdnice, Zagreb, Croatia

Sven Županić, MD, Department for Neurology, University Hospital Dubrava, Zagreb, Croatia

PROGRAMME

FRIDAY, April 12th 2024

08.00-09.00	Registration
09.00-09.20	Jasminka Peršec, President of CroSICM - Opening of the Congress Welcome word
Session 1	Grand Ballroom / Section A
	What's new in treatment of septic patients?
Moderators:	Zsolt Molnar, Milica Lukić
09.20-09.35	Vesna Durnev Emerging role of the gut-body crosstalk in sepsis
09.35-09.50	Oliver Grottke
09.50-10.05	Comprehensive approach to bleeding management Zsolt Molnar
00.00 10.00	Influence of hemoadsorption on microcirulation and vascular
10.05-10.20	protection Milica Lukić Nutritional support in critically ill patients with sepsis and
10.20-10.35	septic shock Marija Santini Do we have a therapeutic solution for Gram negative MDR
10.35-10.45	pathogens? Discussion
Session 2	Grand Ballroom / Section A
	State of the art mechanical ventilation
Moderators:	Marcus Schultz, Armin Kalenka
10.45-11.00	Marcus Schultz
11.00-11.15	The (real) benefits of automated ventilation Armin Kalenka
11.15-11.30	Mechanical ventilation: standard protocols or better individualized? Marcus Schultz Is high DEED good, or bad?
11.30-11.45	Is high PEEP good, or bad? Andrej Šribar There is no proofest "PEEP" but one FITTheless of the least one with?
11.45-11.55	There is no "perfect" PEEP – but can EIT help us get close enough? Discussion

11.55-12.25	Coffee break
Session 3	Grand Ballroom / Section A
	Hemodynamics
Moderators:	Jan Benes, Predrag Stevanović
12.25-12.40	Radmilo Janković
12.40-12.55	Vasopressors and inotropes in sepsis Jan Benes
12.55-13.10	Prediction of hypotension in the ICU Predrag Stevanović Perioperative hemodynamic optimization - Goal-directed
13.10-13.25	therapy (GDT) Nikola Bradić Anesthetic management of patients with MCS in Noncardiac
13.25-13.40	Surgery Davor Barić
13.40-13.50	Bloodless Cardiac Surgery Discussion
13.50-14.50	Lunch break
Session 4	Grand Ballroom / Section A
	ICU from a different perspective
Moderators:	Jasmina Smajić, Višnja Nesek Adam
14.50-15.05	Predrag Stevanović Artificial intelligence powered Mixed Reality Technology in Healthcare and Education - presentation of three years of
15.05-15.20	experience Vilena Vrbanović Mijatović The Hidden Danger: Understanding Negative Pressure
15.20-15.35	Pulmonary Edema Višnja Nesek Adam Non-thyroidal illness syndrome - a physiological adaptation
15.35-15.50	or a therapeutic target? Jasmina Smajić Fiberoptic bronchoscopy during percutaneous tracheostomy:
15.50-16.00	yes or no? Discussion

Session 5	Grand Ballroom / Section A When heart could use a little help
Moderators:	Matthias Heringlake, Daniel Lovrić
16.00-16.15	 Daniel Lovrić Short-term mechanical circulatory support for cardiogenic shock – Impella Combined is better? - ECPELLA
16.15-16.30	 Combined is better? - ECPELLA Marin Pavlov Pulmonary embolism beyond Heparin Short-term mechanical circulatory support for cardiogenic shock - VA ECMO
16.30-16.45	Mate Moguš Hemodynamic management of patients with cardiogenic shock during veno-arterial extracorporeal membrane oxygenation
16.45-16.55	Discussion
Session 6	Grand Ballroom / Section A
	Keep calm and don't get up - ICU sedation
Moderators:	Rihard Knafelj, Ivana Haršanji Drenanjčević
16.55-17.10	Radmila Popović
	Central nervous system infections in neurosurgical critically ill
17.10-17.25	patients – 5-year experience of Clinical Center of Vojvodina Ivana Haršanji Drenjančević
17.10-17.25 17.25-17.40	patients – 5-year experience of Clinical Center of Vojvodina

ORAL PRESENTATIONS

Session 1	Lecture hall Opatija / Pula
Moderators:	Nikola Bradić, Edina Pajt
16.00-16.10	Polona Gams End of Life Decision Making and Palliative Care in a Surgical Intensive Care Unit
16.10-16.20	Nikola Vuković Incidence of upper gastrointestinal tract bleeding in patients receiving DOAC
16.20-16.30	Živa Macura 364 days of addressing heart failure, liver failure, vasoplegia and associated pathologies in a 46-year old woman with a congenital
16.30-16.40	heart defect: a case report Miloš Milenković Incidence of myocardial infarction in patients with acute gastrointestinal bleeding
16.40-16.50	Bojana Radanović
16.50-17.00	Role of CO ₂ gap in hemodynamic monitoring in the ICU Edina Pajt
17.00-17.10	Intraoperative cardiac arrest – case report Amela Katica Mulalić Machanical ventilation induced diaphragmia duafunction
17.10-17.20	Mechanical ventilation induced diaphragmic dysfunction Ana Marija Antunović Procalcitonin - prognostic biomarker in panceratitis
17.20-17.30	Sadija Lušija Treatment of necrotizing pancreatitis - case report
17.30-17.40	Maša Kontić Clinical cases and presence of comorbidities in non-surgical patients in the ICU
17.40-17.50	Violeta Anđelić
17.50-18.00	Diferentiation syndrome – treatment challenges in the ICU Aleksandar Božić
18.00-18.10	Acute intoxication – our experience Marcela Čučković The influence of enesthesis on surgical stress response
18.10-18.20	The influence of anesthesia on surgical stress response Azra Mukanović Alihodžić Therapeutic hypothermia – case report
18.20-18.30	Therapeutic hypothermia – case report Edin Gadžo Hospital acquired infections and antimicrobial resistance in the ICU

SATURDAY, April 13th 2024

Session 7	Grand Ballroom / Section A
	The light at the end of the tunnel - End of life dilemmas
Moderators:	Vlasta Merc, Željka Gavranović
09.00-09.15	Nataša Gocić Perić
09.15-09.30	End of life care - problems and possible solutions Vieran Leventić
	The struggle to let go: realities of death in the ICU
09.30-09.45	Vlasta Merc End of Life Care: out and about
09.45-10.00	Željka Gavranović
10.00-10.10	End of life care in the ICU - International practices Discussion
10.00 10.10	Discussion
Session 8	Grand Ballroom / Section A
	Coagulation and fluid resuscitation
Moderators:	Gordana Jovanović, Vlatka Sotošek
10.10-10.25	Gordana Jovanović Volume optimization and deresuscitation models in a critically ill
10.10-10.25 10.25-10.40	Volume optimization and deresuscitation models in a critically ill patient Vlatka Sotošek The effect of fluid therapy on endothelial dysfunction in critically
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Session 9	Grand Ballroom / Section A
	When technology takes over
Moderators:	Axel Nierhaus, Vedran Premužić
11.55-12.10	Matthias Heringlake Intra-aortic counterpulsation in cardiogenic shock and cardiac surgery - Revisited
12.10-12.25	Vedran Premužić Hemoadsorption modalities in sepsis
12.25-12.40	Axel Nierhaus Role of Ig-M enriched immunoglobulins in the management of sepsis
12.40-12.55	Sonja Škiljić Blood purification in sepsis – indications and patient selection
12.55-13.10	Sanda Stipić Stojanović Future of extracorporeal blood purification to treat sepsis – when, why and how?
13.10-13.25	Gordana Kristek UHC Osijek experience in blood purification of septic surgical patients
13.25-13.40	Helena Ostović Biomarkers in the intensive care setting
13.40-13.50	Discussion
13.50-14.50	Lunch break
Session 10	Grand Ballroom / Section A
	Everything we do, we do for the brain
Moderators:	Tomislav Breitenfeld, Miljenko Crnjaković
14.50-15.05	Dmitar Vlahović Aneurysmatic subarachnoid hemorrhage viewed from neurocritical care perspective
15.05-15.20	Miljenko Crnjaković
15.20-15.35	Intracranial pressure, more than a number Mislav Budišić Possibilities of neurointerventional procedures in acute ischemic
15.35-15.50	stroke – our experience Marinko Vučić, Tomislav Breitenfeld Anesthetic procedures in neurointerventional procedures – pros and cons?
15.50-16.05	Sven Županić Do we need EEG in the ICU
16.05-16.15	Do we need EEG in the ICO Discussion

Lecture Hall Opatija / Pula

15.00-15.30 **Jasminka Peršec, Marko Pražetina, Robert Majstorović Hemosphere workshop**

ORAL PRESENTATIONS

Session 2	Lecture hall Opatija / Pula
Moderators:	Nina Novak Fumić, Tatjana Kereš
12.00-12.10	Neven Elezović Effect of NSAID and enjoids in the periods
12.10-12.20	Effect of NSAID and opioids in the perinatal period Mileva Frankić
12.20-12.30	Multi drug resistant bacteria in the intensive care unit Dubravka Kocen
12.30-12.40	Intensivists/anesthesiologists outside the operating theater Nataša Tomić
12.40-12.50	Optimization of antibiotic dosing – can we do better? Branislava Jorović
12.50-13.00	Hypopituitarism in a patient with traumatic brain injury Tanja Horvat
	Massive obstetric hemorrhage - case report
13.00-13.10	Jelena Isaković Achalasia complicated with bilateral pneumonia and sepsis, Case Report
13.10-13.20	Nina Novak Fumić
13.20-13.30	Acute hemorrhage in a patient with Von Willenbrandt disease Tatjana Kereš ECCO2R in COPD exacerbation
13.30-13.40	Ermina Selimović Mujčić Prognostic value of elevated troponin levels after cardiac surgery
13.40-13.50	Ana Smajo Septic Shock with Multiple Organ Dysfunction Syndrome: A Case Report

Lecture hall Opatija / Pula
Dubravka Bartolek Hamp, Petar Martinović
Anamarija Goleš Timing the Percutaneous Tracheostomy. A Comparative Analysis of COVID vs. Non-COVID ICU Cases - Insights from a Single-Center Retrospective Study
Dubravka Bartolek Hamp Life-threatening complications after rapid volume replacement through the central vein in a polytraumatised patient
Sanja Berić Toxic shock syndrome after elective gastric surgery
Petar Martinović Radiofrequent thermocoagulation in treatment of trigeminal neuralgia
Nikolina Schatzl Association between nutritional status and frailty syndrome
Tamara Murselović Albumins, the gray zone of indications
Ana Jadrijević Štefek Light at the end of the tunnel – comparison of calprotectin and CRP in sepsis
Gala Božac Septic shock in a patient with acute monoblastic leukemia – case report
Ivan Gospić Remimazolam sedation for TAVI – our experience at UH Dubrava
Lea Gvozdanović Alcoholic ketoacidosisucase report
Mirela Dobrić Delayed presentation of subclavian artery pseudoaneurysm after polytrauma with left clavicle and brachial plexus injury
Mark Žižak Acute abdomen after splenic embolization due to immune thrombocytopenia

Session 4	Grand Ballroom A
Moderators:	Nataša Gocić Perić, Andrej Šribar
16.25-16.35	Grgur Prižmić Guillain-Barré syndrome and COVID-19 – a case report
16.35-16.45	Amra Mešić Vasopressor therapy in septic shock
16.45-16.55	Anita Lukić Can surgical drainage tubes present a problem in the ICU and be
16.55-17.05	fatal fot the patient? A case report. Marija Draguljić Svaguša
17.05-17.15	Ischemic colitis after aneurysmatic rupture of abdominal aorta Ivan Bandić
17.15-17.25	Ketamine analgosedation in ICU Antonia Bulić Miljak
	Perioperative treatment for emergency cesarean section and intensive care of parturient with severe peripartum cardiomyopathy
17.25-17.35	Filip Grabant Airway management in obese patients - case report
17.35-17.45	Iva Kurjaković Bleeding management in a patient with massive gastrointestinal hemorrhage - a case report