



INTERNATIONAL CONGRESS OF INTENSIVE CARE MEDICINE

PULA
April 28.-30.2023.



Organizers

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

Organising committee:

President: Jasminka Peršec

Members: Tomislav Breitenfeld, Gordana Brozović, Stoja Erić, Edita Grbavac, Ivana Haršanji Drenjančević, Nataša Gocić Perić, Edi Karuc, Mirjana Lončarić Katušin, Nikolina Marić, Irena Sokolović Jurinjak, Sanda Stojanović Stipić

Scientific committee:

Mladen Carev, János Gál, Armin Kalenka, Dragan Milošević, Maja Mojsova Mijovska, Peter Poredoš, Thomas Scheeren, Jasmína Smajić, Vlatka Sotošek, Predrag Stevanović, Maja Šoštarič, Andrej Šribar, Marko Zdravković

Dear colleagues

On behalf of the Croatian Society of Intensive Care Medicine it is my great pleasure and honour to welcome you to the International Congress of Intensive Care Medicine, which is being held in Pula, Hotel Histria Plaza, April 28.-30. 2023.

The Congress is organized by the Croatian Society of Intensive Care Medicine as a part of European Society of Intensive Care Medicine.

Intensive care medicine is a rapidly developing field of medicine, and practicing physicians need to keep up with all the advances brought by new technologies. The mission of this congress is to provide all the specialists and researchers new insights in the current state of the art treatments, technologies and drugs.

The scientific programme is intended for anaesthesiologists, intensivists and other physicians interested in broad field of intensive care medicine.

Official languages of the Congress are Croatian and English. Accepted papers will be published in the Journal of Croatian Medical Association – “Liječnički Vjesnik”.

Congress participation will be honoured by the Croatian Medical Chamber (www.hlk.hr) with 15 CME points for passive participation and 20 CME points for active participation.

In addition to education on current research in intensive care medicine through conferences and publications, we strive to promote on site practical education for medical students, residents and health professionals.

The industrial exhibition is an opportunity for you to network and to keep up to date with the latest pharmacological and technological developments. Each sponsor company is a supporter of the Congress, and we would like to thank them all for their commitment and contribution.

We sincerely hope that you will enjoy both the educational value of the programme and the unique atmosphere of the historical City of Pula.

Professor Jasminka Peršec, MD, PhD

Congress President

President of the Croatian Society of Intensive Care Medicine



Invited lecturers

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| • Ball Lorenzo | <i>MD, PhD</i> , Università degli Studi di Genova, Italy |
| • Bojić Suzana | <i>MD</i> , Clinical Hospital Centre "Dr Dragiša Mišović-Dedinje", Belgrade, Serbia |
| • Breitenfeld Tomislav | <i>Professor, MD, PhD</i> , University Hospital Centre "Sisters of Mercy", Zagreb, Croatia |
| • Budišić Mislav | <i>MD, PhD</i> , University Hospital Centre "Sisters of Mercy", Zagreb, Croatia |
| • Carev Mladen | <i>Professor, MD, PhD</i> , University Hospital Centre Split, Croatia |
| • Carmignotto Emilio | <i>BSc</i> , Marketing Manager Respiratory Care Region Europe, Dräger, Milano, Italy |
| • Crnjaković Miljenko | <i>MD</i> , University Hospital Dubrava, Zagreb, Croatia |
| • Dimić Nemanja | <i>MD</i> , Clinical Hospital Centre "Dr Dragiša Mišović-Dedinje", Belgrade, Serbia |
| • Divjak Loredana Patricija | <i>MD</i> , University Hospital Centre Zagreb, Croatia |
| • Gocić Perić Nataša | <i>MD</i> , University Hospital Centre Novi Sad, Serbia |
| • Gál János | <i>Professor, MD, PhD</i> , President of the Hungarian Society of Anaesthesiology and Intensive Therapy, Semmelweis University Budapest, Hungary |
| • Grottke Oliver | <i>Associate professor, MD, PhD</i> , Universitätsklinikum RWTH Aachen, Germany |
| • Haršanji Drenjančević Ivana | <i>Assistant professor, MD, PhD</i> , University Hospital Centre Osijek, Croatia |
| • Jovanović Gordana | <i>Professor, MD, PhD</i> , University Hospital Centre Novi Sad, Serbia |
| • Kalenka Armin | <i>Assistant professor, MD, PhD</i> , Universitätsklinikum Heidelberg, Germany |
| • Kereš Tatjana | <i>MD, PhD</i> , University Hospital Dubrava, Zagreb, Croatia |
| • Kvolik Slavica | <i>Professor, MD, PhD</i> , University Hospital Centre Osijek, Croatia |
| • Leventić Vjeran | <i>MD</i> , University Hospital Centre Osijek, Croatia |
| • Lončarić Katusin Mirjana | <i>Assistant professor, MD, PhD</i> , County Hospital Karlovac, Croatia |
| • Marić Nikolina | <i>MD</i> , University Hospital "Sveti Duh", Zagreb, Croatia |
| • Milošević Dragan | <i>MD, PhD</i> , President of the Republic of Srpska Society of Anaesthesiology and Intensive Care Medicine, University Hospital Centre of RS, Banja Luka, Bosnia and Herzegovina |

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| • Mojsova Mijovska Maja | <i>Professor, MD, PhD</i> , University Hospital Centre Skopje, Northern Macedonia |
| • Morišan Marina | <i>MD</i> , Clinical Hospital Centre "Dr Dragiša Mišović-Dedinje", Belgrade, Serbia |
| • Neseek Adam Višnja | <i>Professor, MD, PhD</i> , University Hospital "Sveti Duh" Zagreb, Croatia |
| • Novak Fumić Nina | <i>MD</i> , County Hospital Varaždin, Croatia |
| • Pavičić Šarić Jadranka | <i>Assistant professor, MD, PhD</i> , University Hospital Merkur, Croatia |
| • Peršec Jasminka | <i>Professor, MD, PhD</i> , President of the Croatian Society of Intensive Care Medicine, University Hospital Dubrava, Zagreb, Croatia |
| • Podbregar Matej | <i>Professor, MD, PhD</i> , General Hospital Celje, Slovenia |
| • Poredoš Peter | <i>Professor, MD, PhD</i> , University Hospital Centre Ljubljana, Slovenia |
| • Santini Marija | <i>Professor, MD, PhD</i> , President of the Croatian Society for Infective Disease, University Hospital for Infectious Diseases, Zagreb, Croatia |
| • Scheeren Thomas | <i>Professor, MD, PhD</i> , University Medical Centre Groningen, Edwards Lifesciences Sr. Medical Affairs Director, Netherlands |
| • Schultz Marcus J. | <i>Professor, MD, PhD</i> , University Medical Centre Amsterdam, Netherlands |
| • Smajić Jasmina | <i>Professor, MD, PhD</i> , President of the Federation BiH Society of Anaesthesiology and Intensive Care Medicine, University Hospital Centre Tuzla, Bosnia and Herzegovina |
| • Sotošek Vlatka | <i>Professor, MD, PhD</i> , University Hospital Centre Rijeka, Croatia |
| • Stevanović Predrag | <i>Professor, MD, PhD</i> , Clinical Hospital Centre "Dr Dragiša Mišović-Dedinje", Belgrade, Serbia |
| • Stojanović Stipić Sanda | <i>Assistant professor, MD, PhD</i> , University Hospital Centre Split, Croatia |
| • Šoštarič Maja | <i>Professor, MD, PhD</i> , University Hospital Centre Ljubljana, Slovenia |
| • Šribar Andrej | <i>MD, PhD</i> , University Hospital Dubrava, Zagreb, Croatia |
| • Vučić Marinko | <i>Assistant professor, MD, PhD</i> , University Hospital Centre "Sisters of Mercy", Zagreb, Croatia |
| • Zdravković Marko | <i>MD</i> , President of the Slovenian Society of Anaesthesiology and Intensive Care Medicine, University Medical Centre Maribor, Slovenia |

Friday 28.04.2023

Lectures

Ulika hall

13:00 - 13:10 *CroSICM president:*
Jasminka Peršec Welcome word

Session 1: Sepsis and infections in the ICU

Chairs: János Gál, Jasmina Smajić

13:10 - 13:25 *János Gál* Why is it difficult to avoid multidrug resistant bacteria in the critically ill?

13:25 - 13:40 *Vlatka Sotošek* Endotelna disfunkcija u sepsi

13:40 - 13:55 *Jasmina Smajić* Corticosteroids: magic weapon in ICU?

13:55 - 14:10 *Marija Santini* A patient with HIV/AIDS in the intensive care unit - 25 years of experience

14:10 - 14:25 *Jasminka Peršec* Angiotensin II in refractory shock - current evidence

14:25 - 14:40 *Discussion*

Session 2: Monitoring of the critically ill patient

Chairs: Predrag Stevanović, Matej Podbregar

14:40 - 14:55 *Suzana Bojić* Monitoring the circulation of critically ill patients

14:55 - 15:10 *Predrag Stevanović* Hemodynamic assessment: old parameters in a new way

15:10 - 15:40 *Thomas Scheeren* Why hypotension matters and how can be predicted

15:40 - 15:55 *Matej Podbregar* Tissue oxygenation monitoring - how and what we monitor?

15:55 - 16:10 *Miljenko Crnjaković* Brain oxygenation monitoring

16:10 - 16:25 *Discussion*

16:25 - 17:00 *Coffee break*

Session 3: Transfusion and coagulation management in the ICU

Chairs: Maja Šoštarich, Mladen Carev

17:00 - 17:15 *Mladen Carev* Anticoagulants and antiplatelet drugs in cardiac patients - practical implications for intensivists

17:15 - 17:30 *Maja Šoštarich* Modification of intensive care for minimally invasive cardiac surgery in the light of ERAS programme

17:30 - 17:45 *Jadranka Pavičić Šarić* Viskoelastični testovi procjene koagulacije jetrenog bolesnika u peritranspantacijskom razdoblju

17:45 - 18:00 *Peter Poredoš* Anticoagulation therapy in patients with traumatic brain injury

18:00 - 18:15 *Mirjana Lončarić Katušin* Hemoperfuzija u intenzivnoj medicini

18:15 - 18:30 *Discussion*

Saturday
29.04.2023.

Lectures *Ulika* hall

Session 1: State of the art mechanical ventilation

Chairs: Marcus J. Schultz, Armin Kalenka

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| 09:00 - 09:15 | <i>Armin Kalenka</i> | Why we need an individualized approach to mechanical ventilation? |
| 09:15 - 09:30 | <i>Marko Zdravković</i> | Measuring expiratory time constant to optimise mechanical ventilation |
| 09:30 - 09:45 | <i>Marcus J. Schultz</i> | PEEP, DP and MP - interplay and settings |
| 09:45 - 10:00 | <i>Gordana Jovanović</i> | Indirektna kalorimetrija u proceni nutritivnog statusa kritično obolelog bolesnika |
| 10:00 - 10:30 | <i>Lorenzo Ball</i> | Assisted mechanical ventilation minimize VILI in ARDS |
| 10:30 - 10:45 | <i>Discussion</i> | |
| 10:45 - 11:15 | <i>Coffee break</i> | |

Session 2: Challenges in the ICU

Chairs: Dragan Milošević, Marinko Vučić

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| 11:15 - 11:30 | <i>Marinko Vučić</i> | Ima li mjesta za koloide u intenzivnoj medicini? |
| 11:30 - 11:45 | <i>Mislav Budišić</i> | Reperfuzijska terapija akutnog ishemijskog moždanog udara |
| 11:45 - 12:00 | <i>Dragan Milošević</i> | Incidenca prolongiranog boravka u ICU uslijed razvoja reperfuzijskog sindroma nakon karotidnih endarterektomija (CEA) - petogodišnji presjek UKC Banja Luka, RS, BiH |
| 12:00 - 12:15 | <i>Nemanja Dimić</i> | Management and outcomes of COVID 19 in pregnant women: single centre descriptive study |
| 12:15 - 12:30 | <i>Marina Morišan</i> | Post-intensive care unit syndrome in patients after abdominal surgery |
| 12:30 - 12:45 | <i>Slavica Kvolik</i> | Abdominal hypertension and fluid management |
| 12:45 - 13:00 | <i>Discussion</i> | |
| 13:00 - 14:00 | <i>Lunch break</i> | |

Session 3: Enigmas in the ICU

Chairs: Tomislav Breitenfeld, Sanda Stojanović Stipičić

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| 14:00 - 14:15 | <i>Nikolina Marić</i> | Profili i ishodi bolesnika sa samootrovanjem u Jedinici intenzivnog liječenja |
| 14:15 - 14:30 | <i>Višnja Neseke Adam</i> | Microcirculatory dysfunction in sepsis |

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| 14:30 - 14:45 | <i>Sanda Stojanović Stipić</i> | PharmaS mini symposium - Mišićni relaksansi danas: može li bolje? |
| 14:45 - 15:00 | <i>Tomislav Breitenfeld</i> | Nerupturirane cerebralne aneurizme – klinički izazov |
| 15:00 - 15:15 | <i>Maja Mojsova Mijovska</i> | End of life. Is this the end? |
| 15:15 - 15:30 | <i>Ivana Haršanji Drenjančević</i> | Are we ready for end of life decisions in the ICU? |
| 15:30 - 15:40 | <i>Vjeran Leventić</i> | End of life care in the ICU - can we learn from the British? |
| 15:40 - 15:55 | <i>Discussion</i> | |
| 15:55 - 16:10 | <i>Jasminka Peršec</i> | Pfizer mini symposium - High Risk Patients For Infections And How To Treat Them? |

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| Workshops | <i>Bianca Istriana hall</i> | Max. 15 attendants per session |
| 15:00 - 16:00 | <i>Emilio Carmignotto</i> | EIT: technical principles for lung monitoring |
| 16:00 - 17:00 | <i>Andrej Šribar</i> | Transthoracic echocardiography and lung ultrasound in the ICU |

Sunday 30.04.2023.

Lectures *Ulrika hall*

Session 1: Hot topics in the ICU

Chairs: Oliver Grottke, Nataša Visković Filipčić

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| 09:00 - 09:30 | <i>Oliver Grottke</i> | Tailored therapy for contemporary bleeding management |
| 09:30 - 09:45 | <i>Loredana Patricija Divjak</i> | Clinical nutrition in the ICU |
| 09:45 - 10:00 | <i>Nataša Visković Filipčić</i> | Remimazolam – the future of sedation |
| 10:00 - 10:15 | <i>Tatjana Kereš</i> | Antimikrobna rezistencija u JIM |
| 10:15 - 10:30 | <i>Discussion</i> | |

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|------------------|-----------------------------|---------------------------------------------------------------|
| Workshops | <i>Bianca Istriana hall</i> | Max. 15 attendants per session |
| 10:00 - 11:00 | <i>Emilio Carmignotto</i> | EIT: technical principles for lung monitoring |
| 11:00 - 12:00 | <i>Andrej Šribar</i> | Transthoracic echocardiography and lung ultrasound in the ICU |

10:30 - 13:00

Short oral presentations

7 minutes per presentation

Chairs: Nataša Gocić Perić, Stoja Erić

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| <i>Nataša Dropulić</i> | Klostridijska plinska gangrena nakon laparaskopske kolecistektomije: uloga SARS-CoV-2 virusa. |
| <i>Helena Ostović</i> | Evaluation of sepsis-induced coagulopathy in critically ill patients |
| <i>Tanja Cvjetković Tomanić</i> | Bilateralni površinski blok cervikalnog pleksusa za operaciju štitnjače za ovisnika o opioidima |
| <i>Nikola Lesar</i> | Deksmedetomidin u perioperativnom periodu |
| <i>Selma Bavčić</i> | Uloga kontaktne izolacije u kontroli i prevenciji infekcija povezanih sa zdravstvenom zaštitom |
| <i>Sven Županić</i> | Polineuropatija i miopatija kritične bolesti |
| <i>Sanja Berić</i> | Spleen injury during vaginal delivery in a parturient with undiagnosed Non-Hodgkin lymphoma |
| <i>Petar Martinović</i> | Traumatic brain injury associated coagulopathy |
| <i>Nives Janković Džakula</i> | Akutne intoksikacije lijekovima - multidisciplinarni pristup |
| <i>Bojana Radanović</i> | Primjena tekućine u kritično oboljelog bolesnika |
| <i>Nataša Gocić Perić</i> | Liječenje bakterijskog endokarditisa - postoje li pravila? |
| <i>Senita Beharić</i> | Providencia stuartii infections in ICU |
| <i>Brankica Vuković</i> | Postoperative pulmonary complications after CABG surgery in the patient with bullous emphysema |
| <i>Ivan Bandić</i> | Perioperative fluid and blood management of definitive surgery trauma patient |
| <i>Nina Novak Fumić</i> | Barijatrijski pacijent - rutina ili izazov |
| <i>Sanja Milošev</i> | Paroxysmal nocturnal hemoglobinuria in pregnancy |
| <i>Ivan Đelalija</i> | Liječenje elektrolitnog disbalansa i teške metaboličke alkaloze |
| <i>Ruben Kovač</i> | Orijentacijski ultrazvuk desnog ventrikula - prikaz slučaja |
| <i>Sandro Glumac</i> | Uloga upalnog odgovora u nastanku kognitivnih poremećaja nakon kardiokirurškog zahvata |