



**5. hrvatski kongres O ZBRINJAVANJU DIŠNOG  
PUTA s međunarodnim sudjelovanjem  
„ KVALITETA ZBRINJAVANJA DIŠNOG PUTA ”**

**5th Croatian Congress of AIRWAY MANAGEMENT  
with International Participation  
„ THE QUALITY OF AIRWAY MANAGEMENT ”**

**28. veljače i 1. ožujka 2025.**

**28<sup>th</sup> February and 1<sup>st</sup> March 2025**

**Hotel Dubrovnik, Zagreb, Hrvatska**

**Dubrovnik Hotel, Zagreb, Croatia**

**ZAVRŠNI PROGRAM**

**FINAL PROGRAMME**



**Event ID EMT41917**

**COMPLIANT with Medtech Europe**



## DOBRODOŠLICA

Dragi kolege, gosti i prijatelji dišnog puta,

izuzetna nam je čast i zadovoljstvo pozdraviti Vas u ime Hrvatskog društva za zbrinjavanje otežanoga dišnog puta Hrvatskoga liječničkog zbora (HLZ-HDZODP) i pozvati na 5. hrvatski kongres o zbrinjavanju dišnog puta s međunarodnim sudjelovanjem koji će održati 28. veljače i 1. ožujka 2025. godine, u hotelu Dubrovnik, u Zagrebu, u Hrvatskoj.

HLZ-HDZODP je nacionalno medicinsko društvo osnovano 2011. godine s ciljem edukacije o primjeni znanja i tehnika učinkovitog zbrinjavanja dišnog puta. Društvo je do sada organiziralo četiri uspješna kongresa o zbrinjavanju dišnog puta 2012., 2015., 2018. i 2022. godine. Drago nam je da smo uspjeli održati kontinuitet ovog stručnog skupa.

Zbrinjavanje dišnog puta uključuje niz medicinskih postupaka s ciljem održavanja ili uspostavljanja ventilacije i disanja što je primjenjivo u različitim kliničkim situacijama primjerice tijekom reanimacije, opće anestezije, kirurških zahvata, intenzivnog liječenja i različitih dijagnostičkih postupaka na ili u blizini dišnog puta. Stoga ponovno okupljamo zdravstvene djelatnike raznih medicinskih struka koji se u svakodnevnom radu redovito ili povremeno susreću sa zbrinjavanjem dišnog i mogućega otežanoga dišnog puta. Tema ovog kongresa je „**Kvaliteta zbrinjavanja dišnog puta**“. Razvoj tehnika i tehnologija proteklih desetljeća pridonio je značajnim inovacijama i promjenama u zbrinjavanju dišnog puta, koje zasigurno utječu i na kvalitetu zbrinjavanja dišnog puta. Vjerujemo da je kongres prigodan trenutak za razmjenu mišljenja i kritičnu analizu u kojoj mjeri kvalitetno zbrinjavamo dišni put danas i kako dodatno možemo unaprijediti zbrinjavanje dišnog puta u budućnosti.

Znanstveni i stručni program je namijenjen liječnicima, medicinskim sestrama i tehničarima i zdravstvenim suradnicima iz anesteziologije, dentalne medicine, infektologije, intenzivne medicine, interne medicine, izvanbolničke i bolničke hitne medicine, kirurgije štitne žlijezde, logopedije, maksilofacijalne kirurgije, neurologije, onkologije i radioterapije, otorinolaringologije i kirurgije glave i vrata, pedijatrije, pulmologije, reanimatologije, torakalne kirurgije i ostalima zainteresiranim. Aktivna interakcija između predavača i sudionika na predavanjima, usmenim izlaganjima, e-posterima i radionicama osigurat će svakom sudioniku cjeloviti doživljaj dišnog puta unutar i izvan perspektive vlastite medicinske struke. Izložbeni dio kongresa će dodatno biti izvrsno mjesto za upoznavanje najnovijih tehnoloških i farmakoloških dostignuća i proizvoda u području vizualizacije i zbrinjavanja dišnog puta.

Nadamo se da će naš interdisciplinarni kongres pobuditi Vaš interes da postanete i/ili ostanete prijatelj dišnog puta i da nam se pridružite u Zagrebu.

Dobro nam došli!

Doc.prim.dr.sc. Tatjana Goranović, dr.med.

Predsjednica HLZ-HDZODP-a



## WELCOME

Dear colleagues, guests and airway friends,

It is our great honour and pleasure to address you on behalf of the Croatian Society of Difficult Airway Management of the Croatian Medical Association (CMA-CSDAM) and to welcome you to the 5<sup>th</sup> Croatian Congress of Airway Management with International Participation, which will be held on 28<sup>th</sup> February and 1<sup>st</sup> March 2025, at the Dubrovnik Hotel, in Zagreb, Croatia.

The CMA-CSDAM is a national medical society founded in 2011 with the aim of educating about the application of knowledge and techniques of airway management. So far, the Society has organized four successful congresses on airway management in 2012, 2015, 2018 and 2022. We are glad that we managed to maintain the continuity of this expert meeting.

Airway management includes a series of medical procedures targeting to maintain or perform ventilation and breathing, which is applicable in various clinical situations, for example during resuscitation, general anaesthesia, surgical procedures, intensive treatment and various diagnostic procedures on or near the airway. Therefore, we are regathering health workers from various medical professions who, in their daily work, regularly or occasionally encounter the airway management and possibly difficult airway management. The topic of this congress is "**The Quality of Airway Management**". The development of techniques and technologies in the past decades has contributed to significant innovations and changes in the airway management, which certainly affect the quality of the airway management. We believe that the congress is an opportune moment for an exchange of opinions and a critical analysis of the extent to which we provide quality airway management today and how we can further improve the airway management in the future.

The scientific and professional programme is intended for doctors, nurses and technicians and health associates in anaesthesiology, dental medicine, infective disease medicine, intensive care medicine, internal medicine, outpatient and hospital emergency medicine, thyroid surgery, speech and language pathology, maxillofacial surgery, neurology, oncology and radiotherapy, otorhinolaryngology and head and neck surgery, paediatrics, pulmonology, resuscitation, thoracic surgery and others interested. Active interaction between lecturers and participants in lectures, oral presentations, e-posters and workshops will provide each participant with a complete experience of the airway within and outside the perspective of their own medical profession. The exhibition part of the congress will additionally be an excellent place to get acquainted with the latest technological and pharmacological achievements and products in the field of airway visualization and management.

We hope that our interdisciplinary congress will spark your interest in becoming and/or remaining an airway friend and in joining us in Zagreb.

Welcome!

Assist. Prof. Tatjana Goranović, MD, PhD

President of CMA-CSDAM



## **ORGANIZACIJA**

### **Organizator**

Hrvatski liječnički zbor, Hrvatsko društvo za zbrinjavanje otežanoga dišnog puta

### **Pokrovitelji**

Klinička bolnica „Sveti Duh“

Klinika za anesteziologiju, reanimatologiju i intenzivno liječenje

Služba za kvalitetu

Sveučilište Josipa Jurja Strossmayera u Osijeku

Medicinski fakultet Osijek

Katedra za anesteziologiju, reanimatologiju, intenzivnu medicinu i liječenje boli

Europsko društvo za zbrinjavanje dišnog puta

### **Predsjednica kongresa**

Tatjana Goranović, HLZ-HDZODP

### **Organizacijski i programski odbor**

Renata Curić Radivojević, Hrvatska

Vladimir Dolinaj, Srbija

Tatjana Goranović, HLZ-HDZODP, Hrvatska

Johannes Huitink, Nizozemska

Miroslava Jakšić, HLZ-HDZODP, Hrvatska

Radmilo Janković, Srbija

Nevena Kalezić, Srbija

Maja Karaman Ilić, HLZ-HDZODP, Hrvatska

Marijana Karišik, Crna Gora

Slavica Kvolik, HLZ-HDZODP, Hrvatska

Branka Maldini, HLZ-HDZODP, Hrvatska

Morena Milić, HLZ-HDZODP, Hrvatska

Višnja Neseck Adam, HLZ-HDZODP, Hrvatska

Ante Penavić, Hrvatska

Bibiana Vitković, HLZ-HDZODP, Hrvatska

Biljana Shirgoska, Sjeverna Makedonija

Tatjana Šimurina, HLZ-HDZODP, Hrvatska

Boris Zdilar, Hrvatska

Marko Zdravković, Slovenija

Milana Zlatić Glogoški, HLZ-HDZODP, Hrvatska

### **Profesionalni kongresni organizator i tvrtka za lokalnu organizaciju (PCO&DMC):**

PerfectMeetings.hr; [www.perfectmeetings.hr](http://www.perfectmeetings.hr)

URKA, d.o.o.; Kušlanova 2; HR-10000 Zagreb; Hrvatska

ID Code: HR-AB-01-060027010; OIB: 28424041057

T: +385-1-4827-280; F: +385-1-4832-330

Osoba za kontakt: Dražena Erceg, [drazena.erceg@pmc.hr](mailto:drazena.erceg@pmc.hr)



## **ORGANIZATION**

### **Organizer**

Croatian Medical Association, Croatian Society of Difficult Airway Management (CMA-CSDAM)

### **Endorsement**

Sveti Duh University Hospital

University Department of Anaesthesiology, Resuscitation and Intensive Care Medicine

Department of Quality

Josip Juraj Strossmayer University of Osijek

Faculty of Medicine Osijek

Department of Anaesthesiology, Resuscitation, Intensive Care and Pain Therapy

European Airway Management Society

### **Congress Chair**

Tatjana Goranović, CMA-CSDAM

### **Organizing and Scientific Committee**

Renata Curić Radivojević, Croatia

Vladimir Dolinaj, Serbia

Tatjana Goranović, CMA-CSDAM, Croatia

Johannes Huitink, the Netherlands

Miroslava Jakšić, CMA-CSDAM, Croatia

Radmilo Janković, Serbia

Nevena Kalezić, Serbia

Maja Karaman Ilić, CMA-CSDAM, Croatia

Marijana Karišik, Montenegro

Slavica Kvolik, CMA-CSDAM, Croatia

Branka Maldini, CMA-CSDAM, Croatia

Morena Milić, CMA-CSDAM, Croatia

Višnja Neseck Adam, CMA-CSDAM, Croatia

Ante Penavić, Croatia

Bibiana Vitković, CMA-CSDAM, Croatia

Biljana Shirgoska, North Macedonia

Tatjana Šimurina, CMA-CSDAM, Croatia

Boris Zdilar, Croatia

Marko Zdravković, Slovenia

Milana Zlatić Glogoški, CMA-CSDAM, Croatia

### **Professional congress organizer and local organization company (PCO&DMC):**

PerfectMeetings.hr; [www.perfectmeetings.hr](http://www.perfectmeetings.hr)

URKA, d.o.o.; Kušlanova 2; HR-10000 Zagreb; Croatia

ID Code: HR-AB-01-060027010; OIB: 28424041057

T: +385-1-4827-280; F: +385-1-4832-330

Contact person: Dražena Erceg, [drazena.erceg@pmc.hr](mailto:drazena.erceg@pmc.hr)



## **ZNANSTVENI PROGRAM**

Kongres će se odvijati u obliku plenarnih predavanja, usmenih izlaganja, radionica, rasprava i e-postera. Predavanja, usmena izlaganja, radionice i e-posteri mogu biti na hrvatskom ili engleskom jeziku.

Glavna tema: Kvaliteta zbrinjavanja dišnog puta.

Teme: Zbrinjavanje dišnog puta u anesteziologiji, dentalnoj medicini, infektologiji, intenzivnoj medicini, internoj medicini, izvanbolničkoj i bolničkoj hitnoj medicini, kirurgiji štitne žlijezde, logopediji, maksilofacijalnoj kirurgiji, neurologiji, onkologiji i radioterapiji, otorinolaringologiji i kirurgiji glave i vrata, pedijatriji, pulmologiji, reanimatologiji i torakalnoj kirurgiji.

Radionice o osnovnom i naprednom zbrinjavanju dišnog puta.

## **SPONZORSKA IZLOŽBA**

Za vrijeme trajanja kongresa organizirat će se izložba proizvođača opreme, uređaja i proizvoda te ostalih tvrtki u području vizualizacije i zbrinjavanja dišnog puta

## **SCIENTIFIC PROGRAMME**

The congress will be organized in the form of plenary lectures, oral presentations, workshops, discussions and e-posters. Lectures, oral presentations, workshops and e-posters can be in Croatian or English.

The main topic: The quality of airway management.

Topics: The airway management in anaesthesiology, dental medicine, infective disease medicine, intensive care medicine, internal medicine, outpatient and hospital emergency medicine, thyroid surgery, speech and language pathology, maxillofacial surgery, neurology, oncology and radiotherapy, otorhinolaryngology and head and neck surgery, paediatrics, pulmonology, resuscitation, and thoracic surgery.

Workshops on basic and advanced airway management.

## **THE SPONSOR EXHIBITION**

An exhibition of equipment, devices and products of the manufactures and other companies in the field of airway visualization and management will be organized during the congress

## **OSTALE OBAVIJESTI**

Mjesto održavanja  
Hotel Dubrovnik, Ljudevita Gaja 1, 10000 Zagreb, Hrvatska.

Službeni jezici  
Službeni jezici su hrvatski i engleski. Neće biti simultanog prevođenja.

Registracija  
Registracijski stol će početi s radom pola sata prije početka predavanja i završiti pola sata nakon završetka predavanja.



#### Službene oznake

Svi registrirani sudionici s plaćenom kotizacijom dobit će službene oznake (akreditacije) koje su obvezni nositi na svim mjestima stručnog i društvenog programa kongresa.

#### Osiguranje

Organizacijski odbor ne može prihvatiti odgovornost za nesreće ili štetu učinjenu sudionicima ili osobama u pratnji prije, za vrijeme ili nakon kongresa. Sudionici se pozivaju da sami organiziraju svoje putovanje i zdravstveno osiguranje. Nakon registracije za kongres, sudionik prihvaća ovu odredbu.

#### Internet

Internet usluge će biti dostupne svim sudionicima tijekom kongresa.

#### Vrednovanje i potvrda o sudjelovanju

Sudjelovanje na kongresu bodovat će se sukladno Pravilnicima strukovnih komora.

### **OTHER INFORMATION**

#### Venue

Dubrovnik Hotel, Ljudevita Gaja 1, HR-10000 Zagreb, Croatia.

#### Official languages

The official languages are Croatian and English. There will be no simultaneous translation.

#### Registration

The registration desk will start working half an hour before the beginning of the sessions and end half an hour after the end of the sessions.

#### Official badges

All registered participants with a paid registration fee will receive official badges (accreditation) that they are obligated to wear during the scientific and social programme of the congress.

#### Insurance

The Organizing Committee cannot accept responsibility for accidents or damage caused to participants or accompanying persons before, during or after the congress. Participants are invited to organize their own travel and health insurance. Upon registration, the participant accepts this provision.

#### Internet

Internet services will be available to all participants during the congress.

#### Evaluation and a certificate of attendance

The participation at the congress will be awarded according to the regulations of professional chambers.



## **POZVANI PREDAVAČI**

Prim.dr.sc. Sanja Berić, dr.med., Klinička bolnica „Sveti Duh“, Zagreb, Hrvatska  
Ana Brundula, dr.med., Poliklinika Amruševa, Zagreb, Hrvatska  
Prim.dr.sc. Renata Curić Radivojević, dr.med., Klinički bolnički centar Zagreb, Zagreb, Hrvatska  
Izv. prof.dr.sc. Emil Dediol, dr.med., Klinička bolnica Dubrava, Zagreb, Hrvatska  
Doc.prim.dr.sc. Vladimir Dolinaj, dr.med., Univerziteti klinički centar Vojvodine, Novi Sad, Srbija  
Prim.dr.sc. Neven Elezović, dr.med., Klinički bolnički centar Split, Split, Hrvatska  
Doc.prim.dr.sc. Tatjana Goranović, dr.med., Klinička bolnica „Sveti Duh“, Zagreb, Hrvatska  
Dr.sc. Koralka Hat, dr.med., Klinička bolnica Dubrava, Zagreb, Hrvatska  
Dr.sc. Johannes Huitink, dr.med., FEAMS, Akademija zbrinjavanja dišnog puta, Amsterdam, Nizozemska  
Dr.sc. Tjaša Ivošević, dr.med., Univerziteti klinički centar Srbije, Beograd, Srbija  
Prof.dr.sc. Nevena Kalezić, dr.med., akademkinja, Akademija medicinskih nauka, Srpsko lekarsko društvo, Beograd, Srbija; Počasna predsjednica Sekcije za anesteziologiju, intenzivno lečenje i terapiju bola, Srpsko lekarsko društvo  
Doc.prim.dr.sc. Maja Karaman Ilić, dr.med., Specijalna bolnica Radiochirurgia Zagreb, Sveta Nedelja, Hrvatska  
Doc.dr.sc. Marijana Karišik, dr.med., Univerziteti klinički centar Crne Gore, Podgorica, Crna Gora; Predsjednica Društva anesteziologa i intenzivista Crne Gore  
Tino Klancir, dr.med., Poliklinika i dnevna bolnica I-MED, Zagreb, Hrvatska  
Dr.sc. Despoina Koulenti, dr. med., King's College Hospital Foundation Trust, London, Velika Britanija  
Prof.prim.dr.sc. Slavica Kvolik, dr.med., Klinički bolnički centar Osijek, Osijek, Hrvatska  
Dr.sc.Tijana Nastasović, dr.med., Univerziteti klinički centar Srbije, Beograd, Srbija  
Prof.prim.dr.sc. Višnja Neseke Adam, dr.med., Klinička bolnica „Sveti Duh“, Zagreb, Hrvatska; Predsjednica Hrvatskog društva za hitnu medicinu  
Prof.prim.dr.sc. Gordana Pavliša, dr.med., Klinički bolnički centar Zagreb, Zagreb, Hrvatska  
Doc.prim.dr.sc. Nevenka Piskač Živković, dr.med., Specijalna bolnica Radiochirurgia Zagreb, Sveta Nedelja, Hrvatska  
Izv.prof.dr.sc. Morena Milić, dr.med., Klinička bolnica Dubrava, Zagreb  
Dr.sc. Tamara Murselović, dr.med., Klinička bolnica „Sveti Duh“, Zagreb, Hrvatska  
Ante Penavić, dr.med., Klinička bolnica „Sveti Duh“, Zagreb, Hrvatska  
Dr.sc. Andrea Saračević, spec. med. biokem. i lab. med., Klinička bolnica „Sveti Duh“, Zagreb, Hrvatska  
Prof.dr.sc. Biljana Shirgoska, dr.med., ORL univerziteti klinika, Skopje, Sjeverna Makedonija  
Dr.sc. Ivana Šimić Prgomet, mag.logoped, Klinički bolnički centar Zagreb, Zagreb, Hrvatska  
Doc.prim.dr.sc. Boris Šimunjak, dr.med., Klinička bolnica „Sveti Duh“, Zagreb, Hrvatska  
Prim.dr.sc. Jasna Špiček Macan, dr.med., Klinički bolnički centar Zagreb, Zagreb, Hrvatska  
Ana Vuzdar Trajkovski, dr.med., Klinički bolnički centar Zagreb, Zagreb, Hrvatska  
Prim.dr.sc. Zrinka Šafarić Oremuš, dr.med., Klinička bolnica Dubrava, Zagreb, Hrvatska  
Bibiana Vitković, dr.med., Klinika za dječje bolesti Zagreb, Zagreb, Hrvatska  
Doc.dr.sc. Marko Zdravković, dr.med., Univerziteti medicinski centar Maribor, Maribor, Slovenija; Predsjednik Slovenskog društva za anesteziologiju i intenzivnu medicinu  
Milana Zlatić Glogoški, dr.med., Klinički bolnički centar Sestre milosrdnice, Zagreb, Hrvatska





## INVITED SPEAKERS

Sanja Berić, MD, PhD, Sveti Duh University Hospital, Zagreb, Croatia  
Ana Brundula, MD, Poliklinika Amruševa, Zagreb, Croatia  
Renata Curić Radivojević, MD, PhD, Zagreb University Hospital Centre, Zagreb, Croatia  
Assoc. Prof. Emil Dediol, MD, PhD, Dubrava University Hospital, Zagreb, Croatia  
Assist. Prof. Vladimir Dolinaj, MD, PhD, Vojvodina University Hospital Centre, Novi Sad, Serbia  
Neven Elezović, MD, MSc, Split University Hospital Centre, Split, Croatia  
Assist. Prof. Tatjana Goranović, MD, PhD, Sveti Duh University Hospital, Zagreb, Croatia  
Koraljka Hat, MD, PhD, Dubrava University Hospital, Zagreb, Croatia  
Johannes Huitink, MD, PhD, FEAMS, Airway Management Academy, Amsterdam, the Netherlands  
Tjaša Ivošević, MD, PhD, Serbia University Hospital Centre, Belgrade, Serbia  
Prof. Nevena Kalezić, MD, PhD, academician, Academy of Medical Sciences, Serbian Medical Society, Belgrade, Serbia; Honorary President of the Section for Anaesthesiology, Intensive Care and Pain Therapy, Serbian Medical Society  
Assist. Prof. Maja Karaman Ilić, MD, PhD, Radiochirurgia Zagreb Special Hospital, Sveta Nedelja, Croatia  
Assist. Prof. Marijana Karišik, MD, PhD, Montenegro University Hospital Centre, Podgorica, Montenegro; President of the Association of Anesthesiologists and Intensivists of Montenegro  
Tino Klancir, MD, I-MED Polyclinic and Day Hospital, Zagreb, Croatia  
Despoina Koulenti, MD, PhD, King's College Hospital Foundation Trust, London, United Kingdom  
Prof. Slavica Kvolik, MD, Osijek University Hospital Centre, Osijek, Croatia  
Tijana Nastasović, MD, PhD, Serbia University Hospital Centre, Belgrade, Serbia  
Prof. Višnja Neseck Adam, MD, PhD, Sveti Duh University Hospital, Zagreb, Croatia; President of the Croatian Society of Emergency Medicine  
Prof. Gordana Pavliša, MD, PhD, Zagreb University Hospital Centre, Zagreb, Croatia  
Assist. Prof. Nevenka Piskač Živković, MD, PhD, Radiochirurgia Zagreb Special Hospital, Sveta Nedelja, Croatia  
Assoc. Prof. Morena Milić, MD, PhD, Dubrava University Hospital, Zagreb  
Tamara Murselović, MD, PhD, Sveti Duh University Hospital, Zagreb, Croatia  
Ante Penavić, MD, Sveti Duh University Hospital, Zagreb, Croatia  
Andrea Saračević, PhD, European Specialist in Laboratory Medicine (EuSpLM), Sveti Duh University Hospital, Zagreb, Croatia  
Prof. Biljana Shirgoska, MD, PhD, ENT University Clinic, Skopje, North Macedonia  
Ivana Šimić Prgomet, MSc, PhD, speech-language pathologist, Zagreb University Hospital Centre, Zagreb, Croatia  
Assist. Prof. Boris Šimunjak, MD, PhD, Sveti Duh University Hospital, Zagreb, Croatia  
Jasna Špiček Macan, MD, PhD, Zagreb University Hospital Centre, Zagreb, Croatia  
Ana Vuzdar Trajkovski, MD, Zagreb University Hospital Centre, Zagreb, Croatia  
Zrinka Šafarić Oremuš, MD, MSc, Dubrava University Hospital, Zagreb, Croatia  
Bibiana Vitković, MD, Zagreb Children Hospital, Zagreb, Croatia  
Assist. Prof. Marko Zdravković, MD, PhD, Maribor University Hospital Centre, Maribor, Slovenia; President of the Slovenian Society for Anaesthesiology and Intensive Medicine  
Milana Zlatić Glogoški, MD, Sestre milosrdnice University Hospital Centre, Zagreb, Croatia



## PROGRAM / PROGRAMME

**PETAK, 28. veljače 2025. / FRIDAY, 28<sup>th</sup> February 2025**

Ulaz: registracija sudionika 08:00-18:00 / Entrance: registration 08:00-18:00

Dvorana Ban Jelačić: otvaranje, predavanja, posteri, radionice/ Ban Jelačić Hall: opening, lectures, posters, workshops

Dvorana Ban Zrinski: sponzorska izložba, workshops / Ban Zrinski Hall: sponsor exhibition, workshops

08:30-09:00 Svečano otvaranje kongresa / Congress opening

Himna / National anthem

Marin Čargo, bariton

Pozdravni govori / Opening speeches

Tatjana Goranović

Predsjednica Hrvatskog društva za zbrinjavanje otežanoga dišnog puta Hrvatskoga liječničkog zbora (HLZ-HDZODP) / President of Croatian Society of Difficult Airway Management of Croatian Medical Association (CMA-CSDAM)

Višnja Ivančan

Predsjednica Hrvatskog društva za anesteziologiju, reanimatologiju i intenzivnu medicinu Hrvatskoga liječničkog zbora (HLZ-HDARIM) / President of Croatian Society of Anaesthesiology, Resuscitation and Intensive Medicine of Croatian Medical Association (CMA-CSARIM)

Sanja Ljubičić

Voditeljica Službe za kvalitetu Kliničke bolnice „Sveti Duh“ / Chair of Department of Quality of Sveti Duh University Hospital

Višnja Nesek Adam

Predstojnica Klinike za anesteziologiju, reanimatologiju i intenzivno liječenje Kliničke bolnice „Sveti Duh“ / Chair of University Department of Anaesthesiology, Resuscitation and Intensive Care Medicine of Sveti Duh University Hospital

Igor Alfirević

Zamjenik ravnatelja Kliničke bolnice „Sveti Duh“ / Deputy Director of Sveti Duh University Hospital

Slavica Kvolik

Predsjednica Katedre za anesteziologiju, reanimatologiju, intenzivnu medicinu i liječenje boli, Medicinski fakultet Osijek, Svetučilište Josipa Jurja Strossmayera u Osijeku/ Chair of



Department of Anaesthesiology, Resuscitation, Intensive Medicine and Pain Therapy, School of Medicine Osijek, Josip Juraj Strossmayer University of Osijek

## **I. ČIMBENICI KVALITETE ZBRINJAVANJA DIŠNOG PUTA / FACTORS OF QUALITY AIRWAY MANAGEMENT**

Predsjedavajući / Chairs: Tatjana Goranović, Marijana Karišik

09:00-09:20 Pozvano predavanje / Invited lecture

Tatjana Goranović

Kvaliteta zbrinjavanja dišnog puta- gdje smo sada i kamo dalje? / Quality of Airway Management- the Current State and the Future

09:20-09:40 Pozvano predavanje / Invited lecture

Nevena Kalezić

Da li je potrebno podsjećati na značaj i napretke u zbrinjavanju dišnog puta? / Is It Necessary to Remind of the Importance and Advances in Airway Management?

09:40-10:00 Pozvano predavanje / Invited lecture

Marijana Karišik

Timska izvedba – ključ dobrog zbrinjavanja dišnog puta / Team Based Performance-Key for Good Airway Management

10:00-10:20 Pauza za kavu / Coffee break

10:20-10:40 Pozvano predavanje / Invited lecture

Renata Curić Radivojević

Edukacija studenata o dišnom putu, kada i kako? / Airway Education for Medical Students, When and How?

10:40-11:00 Pozvano predavanje / Invited lecture

Nevenka Piskač Živković

Navigacijska bronhoskopija: recruitment maneuver i PEEP za poboljšanje uspješnosti dijagnostičkog postupka / Navigational Bronchoscopy: Recruitment Maneuver and PEEP to Improve the Success of the Diagnostic Procedure

11:00-11:15 Pozvano predavanje / Invited lecture

Ivana Šimić Prgomet

Kvaliteta glasa nakon endotrahealne intubacije kod kirurških zahvata u području glave i vrata / Voice quality after endotracheal intubation in head and neck surgery

11:15-11:35 Pozvano predavanje / Invited lecture

Marko Zdravković

Kvaliteta istraživanja u zbrinjavanju dišnog puta / Quality of Research in Airway Management

11:35-12:05 Rasprava I / Discussion I



Čovjek vs tehnologija u zbrinjavanju dišnog puta / Human vs. Technology in Airway Management

Moderator / Moderator: Milana Zlatić Glogoški

12:05-13:00 Usmena izlaganja / Oral presentations

Predsjedavajući / Chairs: Tatjana Goranović, Morena Milić

13:00-14:00 Pauza za ručak / Lunch break

## **II. IZAZOVI KVALITETNE INTUBACIJE / CHALLENGES OF QUALITY INTUBATION**

Predsjedavajući / Chairs: Biljana Shirgoska, Jasna Špiček Macan

14:00-14:20 Pozvano predavanje / Invited lecture

Biljana Shirgoska

Komparativna evaluacija kvalitete intubacije prilikom videolaringoskopije i klasične laringoskopije / Comparative Evaluation of the Quality of Intubation during Video Laryngoscopy and Classical Laryngoscopy

14:20-14:40 Pozvano predavanje / Invited lecture

Jasna Špiček Macan

Izazovi intubacije i ekstubacije kod transplantacije pluća / Challenges of Intubation and Extubation in Lung Transplantation

14:40-15:00 Pozvano predavanje / Invited lecture

Tijana Nastasović

Rano zbrinjavanje dišnog puta u bolesnika s teškom ozljedom mozga / Early Airway Management in Patients with Severe Traumatic Brain Injury

15:00-15:15 Pozvano predavanje / Invited lecture

Maja Karaman Ilić

Novi život Univent™ tubusa / New life for Univent™ Tubes

15:15-15:30 Pauza za kavu / Coffee break

15:30-15:45 Pozvano predavanje / Invited lecture

Tino Klancir

Videolaringoskopija prilikom transnazalne intubacije / Videolaryngoscopy During Transnasal Intubation

15:45-16:00 Pozvano predavanje / Invited lecture

Ana Brundula

Izazovi intubacije kod pretilih pacijenata / Challenges of Intubation in Obese Patients

16:00-16:10 Pozvano predavanje / Invited lecture



Neven Elezović

Izazovi zbrinjavanja dišnog puta u opstetriciji / Challenges of Airway Management in Obstetrics

16:10-16:20 Pozvano predavanje / Invited lecture

Ana Vuzdar Trajkovski

Visokoprotokna nazalna oksigenacija kod opće anestezije za carski rez / High-Flow Nasal Oxygenation for Cesarean Section in General Anaesthesia

16:20-16:50 Rasprava II / Discussion II

Ključni čimbenik uspješne intubacije / Key Factor for Successful Intubation

Moderator / Moderator: Tatjana Goranović

16:50-17:00 Pauza / Break

17:00-19:00 Radionice/Workshops

17:00-17:45 Svi / All

Dvorana Ban Jelačić / Ban Jelačić Hall

AIRWAY TRIAGE APP Radionica / Workshop (on-line)

Voditelji / Tutors: Johannes Huitink (on-line), Tatjana Goranović (in live)

17:45-19:00 Rotacija skupina / Group rotation

Dvorana Ban Jelačić / Ban Jelačić Hall

Dvorana Ban Zrinski / Ban Zrinski Hall

KARL STORZ Radionica 1 / Workshop 1

Voditelji / Tutors: Renata Curić Radivojević, Ivana Bureš Valentić

KARL STORZ Radionica 2 / Workshop 2

Voditelji / Tutors: Tino Klancir, Ana Brundula

TEHNOMEDIKA Radionica/Workshop

Voditelji / Tutors: Tatjana Goranović, Tomislav Krejčir, Ana Lacić



**SUBOTA, 1. ožujka 2025. / SATURDAY, 1<sup>st</sup> March 2025**

Ulaz: registracija sudionika 08:00-18:00 / Entrance: registration 08:00-18:00

Dvorana Ban Jelačić: predavanja, usmena izlaganja, radionice, zatvaranje, Godišnja skupština HLZ-HDZODP-a / Ban Jelačić Hall: opening, lectures, oral presentations, workshops, closing, CMA-CSDAM Annual Assembly

Dvorana Ban Zrinski: sponzorska izložba, workshops / Ban Zrinski Hall: sponsor exhibition, workshops

**III. INFEKCIJE I DIŠNI PUT / INFECTIONS AND THE AIRWAY**

Predsjedavajući / Chairs: Slavica Kvolik, Gordana Pavliša

09:00-09:20 Pozvano predavanje / Invited lecture

Despoina Koulenti

Bolničke pneumonije i infekcije dišnih putova povezane s ventilacijom / Ventilated HAP and VARI (VAT/VAP)

09:20-09:40 Pozvano predavanje / Invited lecture

Gordana Pavliša

Zbrinjavanje izvanbolničke pneumonije u jedinici intenzivne skrbi / Management of Community-Acquired Pneumonia in the Intensive Care Unit

09:40-10:00 Pozvano predavanje / Invited lecture

Andrea Saračević

Biomarkeri upale kod infekcija dišnog puta / Biomarkers of Inflammation in Respiratory Tract Infections

10:00-10:15 Pauza za kavu / Coffee break

10:15-10:35 Pozvano predavanje / Invited lecture

Višnja Nesek Adam

Reintubacije u JIL-u: rizični čimbenici i kliničke implikacije / Reintubation in ICU Patients: Risk Factors and Clinical Implications

10:35-10:55 Pozvano predavanje / Invited lecture

Slavica Kvolik

Promjene opreme za neinvazivnu ventilaciju i oksigenaciju koje je donijela COVID-19 / Changes in Equipment for Non-Invasive Ventilation and Oxygenation Brought About by the COVID-19 Pandemic

10:55-11:15 Pozvano predavanje / Invited lecture

Emil Dediol

Dišni put i odontogene infekcije glave i vrata / The Airway and Odontogenic Infections of the Head and Neck



11:15-11:45 Rasprava III / Discussion III

Intubirati ili ne intubirati inficirani dišni put? / To Intubate or Not to Intubate the Infected Airway?

Moderator/ Moderator: Zrinka Šafarić Oremuš

11:45-13:00 Usmena izlaganja / Oral presentations

Predsjedavajući / Chairs: Renata Curić Radivojević, Bibiana Vitković

13:00-14:00 Pauza za ručak / Lunch break

#### **IV. IZAZOVI KVALITETNE EKSTUBACIJE / CHALLENGES OF QUALITY EXTUBATION**

Predsjedavajući / Chairs: Vladimir Dolinaj, Boris Šimunjak

14:00-14:20 Pozvano predavanje / Invited lecture

Vladimir Dolinaj

Smjernice i protokoli za ekstubaciju / Extubation Guidelines and Protocols

14:20-14:40 Pozvano predavanje / Invited lecture

Tjaša Ivošević

Ekstubacijske strategije nakon kirurgije tumora usne šupljine / Extubation Strategies after Surgery for Oral Cavity Cancer

14:40-14:55 Pozvano predavanje / Invited lecture

Tamara Murselović

Ekstubacija u bolesnika nakon ozljede vratne kralježnice / Extubation in Patients after Cervical Spine Injury

14:55-15:10 Pozvano predavanje / Invited lecture

Ante Penavić

Sigurna ekstubacija bolesnika s punim želucem / Safe Extubation of a Patient with a Full Stomach

15:10-15:25 Pauza za kavu / Coffee break

15:25-15:40 Pozvano predavanje / Invited lecture

Sanja Berić

Ekstubacija nakon carskog reza / Extubation after Cesarean Section

15:40-16:00 Pozvano predavanje / Invited lecture

Koraljka Hat

Usporedba perkutane i kirurške traheotomije / Comparison of Percutaneous and Surgical Tracheotomy



16:00-16:20 Pozvano predavanje / Invited lecture

Boris Šimunjak

Indikacije za traheotomiju i kriteriji za dekaniliranje / Indications for Tracheotomy and Criteria for Decannulation

16:20-16:50 Rasprava IV / Discussion IV

Ključni čimbenik za uspješnu ekstubaciju / Key factor for Successful Extubation

Moderator / Moderator: Morena Milić

16:50-17:00 Pauza / Break

17:00-19:00 Radionice/Workshops

17:00-17:45 Svi / All

Dvorana Ban Jelačić / Ban Jelačić Hall

Radionica /Workshop: DEKANILIRANJE TRAHEOSTOME U DJECE- novi protokol i smjernice/  
TRACHEOSTOMY DECANILLATION IN PAEDIATRIC PATIENT- introduction of a new protocol and guidelines

Voditelji / Tutors: Renata Curić Radivojević, Irena Ivković

17:45-19:00 Rotacija skupina / Group rotation

Dvorana Ban Jelačić / Ban Jelačić Hall

Dvorana Ban Zrinski / Ban Zrinski Hall

KARL STORZ Radionica 3/Workshop 3

Voditelji / Tutors: Vladimir Dolinaj, Davor Kržanović

KARL STORZ Radionica 4/Workshop 4

Voditelji / Tutors: Bibiana Vitković, Marijana Karišik

KARL STORZ Radionica 5/Workshop 5

Voditelji/ Tutors: Renata Curić Radivojević, Irena Ivković

19:00-19:15 Zatvaranje kongresa / Congress closing

19:15-19:45 Godišnja skupština HLZ-HDZODP-a / CMA-CSDAM Annual Assembly





## USMENA IZLAGANJA / ORAL PRESENTATIONS

**PETAK, 28. veljače 2025. / FRIDAY 28<sup>th</sup> February 2025**

Dvorana Ban Jelačić / Ban Jelačić Hall

12:05-13:00 Usmena izlaganja / Oral presentations

Predsjedavajući / Chairs: Tatjana Goranović, Morena Milić

12:05-12:13 OP1

Lucija Biličić, Ina Marić, Renata Curić Radivojević

Uloga fiberoptičke endoskopije u potvrdi položaja trahealne kanile kod pacijenta s cerebralnom paralizom i skoliozom / The role of fiberoptic endoscopy in confirming tracheal cannula position in a patient with cerebral palsy and scoliosis

Rasprava / Discussion

12:13-12:21 OP2

Ivana Bureš Valentić, Matea Mrčelić, Renata Curić Radivojević, Krešimir Gršić, Drago Prgomet

Zbrinjavanje dišnog puta u kirurgiji retrosternalne strume, retrospektivno istraživanje / Airway management in retrosternal goiter surgery, retrospectively

Rasprava / Discussion

12:21-12:29 OP3

Matej Cindrić, Maja Končić, Milana Zlatić Glogoški

Anesteziološki izazovi kod djeteta s Apertovim sindromom: Prikaz slučaja / Anesthetic challenges in a child with Apert syndrome: A case report

Rasprava / Discussion

12:29-12:37 OP4

Điđi Delalić, Tamara Murselović

Čini li izbor geometrijskog oblika špatule za videolaringoskopiju razliku u uspješnosti intubacije? / Does the choice of the geometrical shape of the blade for videolarinoscopy make a difference in the success of intubation?

Rasprava / Discussion

12:37-12:45 OP5

Iva Smiljanić, Ana Brkljačić, Petra Zlatar, Ana Brundula

Kad očekivano postane neočekivano – iznenađenja prilikom uspostave dišnog puta / When the anticipated becomes the unanticipated – surprises during airway management

Rasprava / Discussion

Rasprava / Discussion

12:45-12:53 OP6

Nevenka Miličević, Lea Atlagić Grigić, Hrvoje Vinković, Ana Cicvarić, Ozana Katarina Tot, Luka Miličević



Spinalna mišićna atrofija tip II -anesteziološki postupak kod ureterorenoskopije: prikaz slučaja / Spinal muscular atrophy type II - anaesthesiological procedure in ureterorenoscopy: a case report  
Rasprava / Discussion

**SUBOTA, 1. ožujka 2025. / SATURDAY 1<sup>st</sup> March 2025**

Dvorana Ban Jelačić / Ban Jelačić Hall

11:45-13:00 Usmena izlaganja / Oral presentations

Predsjedavajući / Chairs: Renata Curić Radivojević, Bibiana Vitković

11:45-11:53 OP7

Tomislav Krejčir, Lucija Legan, Ana Lacić, Dora Pavelić

Kvaliteta zbrinjavanja dišnog puta iz perspektive anesteziološkog tehničara / The quality of airway management from the perspective of the anaesthesia nurse

Rasprava / Discussion

11:53-12:01 OP8

Ana Lacić, Tomislav Krejčir, Lucija Legan, Dora Pavelić, Igor Bošnjak

Toaleta dišnog puta / Airway secretion clearance

Rasprava / Discussion

12:01-12:09 OP9

Nevenka Miličević, Slavica Kvolik, Josip Perković, Vinko Krajina, Damir Prlić

Usporedba učinaka pneumoperitoneuma niskog i standardnog tlaka na bol nakon laparoscopske nefrektomije / Comparison of the effects of low-pressure and standard-pressure pneumoperitoneum on pain after laparoscopic nephrectomy

Rasprava / Discussion

12:09-12:17 OP10

Silvio Živković, Josipa Glavaš Tahtler, Marija Milić, Ivana Mikić, Damir Tolić, Slavica Kvolik

Povezanost niskih leukocita, komorbiditeta i upale pluća u kirurškoj jedinici intenzivnog liječenja / Association of low white blood cells, comorbidities, and pneumonia in the surgical ICU

Rasprava / Discussion

12:17-12:25 OP11

Davor Kržanović, Vladimir Dolinaj

Komplikacija modificirane Ciaglia tehnike perkutane dilatacijske traheotomije - prikaz slučaja / Complication of the modified Ciaglia technique of percutaneous dilatation tracheotomy - case report

Rasprava / Discussion

12:25-12:33 OP12

Tea Medved, Tatjana Goranović, Ljubica Nikles



Vidljivost glotisa tijekom uvoda u opću anesteziju u pacijenata s opstruktivnom apnejom u snu: retrospektivno usporedno istraživanje video i direktne laringoskopije / Glottic visibility during induction of general anaesthesia in patients with obstructive sleep apnoea: a retrospective comparative study of video and direct laryngoscopy  
Rasprava / Discussion

12:33-12:41 OP13

Ljubica Nikles, Tatjana Goranović, Tea Medved

Vidljivost glotisa u djece video i direktnom laringoskopijom tijekom uvoda u opću anesteziju: retrospektivno usporedno istraživanje / Glottic visibility in children by video and direct laryngoscopy during induction of general anaesthesia: a retrospective comparative study  
Rasprava / Discussion



## RADIONICE / WORKSHOPS

**PETAK, 28. veljače 2025. / FRIDAY, 28<sup>th</sup> February 2025**

17:00-17:45 Svi / All

Dvorana Ban Jelačić / Ban Jelačić Hall

AIRWAY TRIAGE APP Radionica / Workshop (*on-line*)

Voditelji / Tutors: Johannes Huitink (*on-line*), Tatjana Goranović (*in live*)

17:45-19:00 Rotacija skupina / Group rotation

Dvorana Ban Jelačić / Ban Jelačić Hall

Dvorana Ban Zrinski / Ban Zrinski Hall

	17:30-18:00	18:00-18:30	18:30-19:00
KARL STORZ Radionica 1/Workshop1 Intubacijski model/ Intubation model 1	A	C	B
KARL STORZ Radionica 2/ Workshop 2 Intubacijski model/ Intubation model 2	B	A	C
TEHNOMEDIKA Radionica / Workshop	C	B	A

KARL STORZ Radionica 1 / Workshop 1

Intubacijski model / Intubation model 1

Odrasla lutka / Adult mannequin

C- MAC<sup>®</sup> videolaringoskop, retromolarni intubacijski endoskop; oralna intubacija / C- MAC<sup>®</sup>

Videolaryngoscope, Retromolar Intubation Endoscope; oral intubation

Voditelji / Tutors: Renata Curić Radivojević, Ivana Bureš Valentić

KARL STORZ Radionica 2 / Workshop 2

Intubacijski model / Intubation model 2

Odrasla lutka / Adult mannequin

C- MAC<sup>®</sup> videolaringoskop; transnazalna intubacija / C- MAC<sup>®</sup> videolaryngoscope; transnasal intubation

Voditelji / Tutors: Tino Klancir, Ana Brundula

TEHNOMEDIKA Radionica/Workshop

Flexicare<sup>®</sup> radna stanica za zbrinjavanje dišnog puta/ Flexicare<sup>®</sup> working unit for airway management

ProVu<sup>™</sup> videolaringoskop, ProVu<sup>™</sup> videostilet / ProVu<sup>™</sup> Video Laryngoscope, ProVu<sup>™</sup> Video Stylet

THRIVE i dišni put / THRIVE and airway

Voditelji / Tutors: Tatjana Goranović, Tomislav Krejčir, Ana Lacić



**SUBOTA, 1. ožujka 2025. / SATURDAY, 1<sup>st</sup> March 2025**

17:00-17:30 Svi /All

Dvorana Ban Jelačić / Ban Jelačić Hall

Radionica /Workshop: DEKANILIRANJE TRAHEOSTOME U DJECE- novi protokol i smjernice/  
TRACHEOSTOMY DECANILLATION IN PAEDIATRIC PATIENT- introduction of a new protocol and  
guidelines

Voditelji / Tutors: Renata Curić Radivojević, Irena Ivković

17:30-19:00 Rotacija skupina / Group rotation

Dvorana Ban Jelačić / Ban Jelačić Hall

Dvorana Ban Zrinski / Ban Zrinski Hall

	17:30-18:00	18:00-18:30	18:30-19:00
KARL STORZ Radionica 3/Workshop3 Intubacijski model/ Intubation model 3	1	3	2
KARL STORZ Radionica 4/ Workshop 4 Intubacijski model/ Intubation model 4	2	1	3
KARL STORZ Radionica 5/ Workshop 5 Intubacijski model/ Intubation model 5	3	2	1

KARL STORZ Radionica 3/Workshop 3

Intubacijski model/ Intubation model 3

Odrasla lutka / Adult mannequin

5.3 mm fleksibilni jednokratni intubacijski videoendoskop / 5.3. mm Flexible Single Use  
Intubation Videoendoscope

Voditelji / Tutors: Vladimir Dolinaj, Davor Kržanović

KARL STORZ Radionica 4/ Workshop 4

Intubacijski model/ Intubation model 4

Dječja lutka/ Paediatric mannequin

C MAC® videolaringoskop / C MAC® videolaryngoscope

Voditelji / Tutors: Bibiana Vitković, Marijana Karišik

KARL STORZ Radionica 5/ Workshop 5

Intubacijski model/ Intubation model 5

Dječja lutka/ Paediatric mannequin

3.5 mm fleksibilni jednokratni intubacijski videoendoskop / 3.5 mm Flexible Single Use  
Intubation Videoendoscope

Voditelji/ Tutors: Renata Curić Radivojević, Irena Ivković



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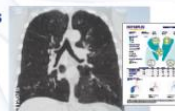
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