

8. Kongres
hitne medicine
medicinskih sestara
i medicinskih tehničara
s međunarodnim
sudjelovanjem

*8th Congress
Of Emergency
Medicine Nurses
And Medical Technicians
With International
Participation*

PROGRAM

13.–15.03.2025.
Hotel Olympia,
Vodice

ORGANIZATOR: Hrvatsko sestrijsko
društvo hitne medicine (HSDHM)

ORGANIZER: Croatian Nursing Society
of Emergency Medicine (HSDHM)



Drage kolegice i kolege, prijatelji hitne medicine,

Veliko mi je zadovoljstvo što Vas mogu pozvati u Vodice na 8. KONGRES HITNE MEDICINE MEDICINSKIH SESTARA I MEDICINSKIH TEHNIČARA s međunarodnim sudjelovanjem koji se održava od 13. do 15. ožujka 2025. godine. HSDHM ovaj kongres organizira uz pokroviteljstvo Ministarstva zdravstva i Hrvatskog zavoda za hitnu medicinu na čemu im srdačno zahvaljujem.

Hitna medicina je centar zdravstvenog sustava, prva linija obrane u teškim i kritičnim situacijama. Svakodnevno zbrinjavanje hitnih bolesnika u izvanbolničkim i bolničkim uvjetima stavlja pred djelatnike hitne medicine veliki profesionalni izazov, zato je iznimno važno da nastavimo napredovati i usavršavati naše vještine.

Teme ovogodišnjeg kongresa obuhvatit će različite aspekte hitne medicine, počevši od zbrinjavanja moždanog udara. Istražit ćemo aktualne izazove i mogućnosti za unaprjeđenje zbrinjavanja ove česte bolesti u suradnji sa međunarodnim nekomercionalnim projektom Angels Initiative, s naglaskom na brže prepoznavanje simptoma moždanog udara i najavu pacijenata u bolnice te odgovarajuću terapiju. U sklopu kongresa razgovarat ćemo i o helikopterskoj hitnoj medicinskoj službi koja je od 2024. godine u Hrvatskoj uspostavljena kao zasebna služba unutar djelatnosti hitne medicine.

Također, posebnu pažnju posvetit ćemo profesionalnom razvoju i kontinuiranoj edukaciji profesionalaca ali i laika jer je stalno učenje i usavršavanje ključno za osiguravanje visoke razine uspješnosti. Raspravljat ćemo o uvijek aktualnim pitanjima velikih nesreća i katastrofa te o načinima optimizacije i učinkovitijem upravljanju kriznim situacijama. U kontekstu pedijatrijskih pacijenata, identificirat ćemo specifične izazove s kojima se susreću hitnjaci, osiguravajući da se potreba za specifičnim znanjima i vještinama u ovoj skupini u potpunosti usvoji. Konačno, naglasit ćemo važnost profesionalne i laičke reanimacije, kao i dijeliti iskustva kroz prikaze nekih nesvakidašnjih slučajeva od kojih svi možemo mnogo naučiti

Uvjerem sam da će odabrane teme pobuditi Vaše zanimanje i da će Kongres ispuniti očekivanja. Vaše aktivno sudjelovanje daje posebnu vrijednost Kongresu, stoga posebno zahvaljujem svima koji su se aktivno uključili da svojim cjelovitim radovima, sažetcima i posterima na taj način doprinesu ostvarivanju ciljeva Kongresa.

Zahvaljujem svima koji su pomogli u organizaciji i realizaciji Kongresa i s radošću očekujem zajedničko druženje u Vodicama!

Saša Balija, mag.med.techn.
Predsjednik Hrvatskog sestrinskog
društva hitne medicine

Dear colleagues and friends in emergency medicine,

It is my great pleasure to invite you to Vodice for the 8th CONGRESS OF EMERGENCY MEDICINE NURSES AND MEDICAL TECHNICIANS with international participation, taking place from March 13th to 15th, 2025. The Croatian Nursing Society of Emergency Medicine (CNSEM) organizes this Congress under the auspices of the Ministry of Health and the Croatian Institute of Emergency Medicine, for which I express my heartfelt thanks.

Emergency medicine is the cornerstone of the healthcare system, serving as the first line of defense in serious and critical situations. The daily management of emergency patients in both pre-hospital and hospital settings presents significant professional challenges for emergency medicine staff, making it crucial for us to continue advancing and refining our skills.

This year's congress will cover various aspects of emergency medicine, starting with the management of strokes. We will explore current challenges and opportunities for improving the treatment of this common condition in collaboration with the international non-commercial project Angels Initiative, focusing on faster recognition of stroke symptoms and patient referral to hospitals, as well as appropriate therapy. Additionally, we will discuss the Helicopter Emergency Medicine Service, which has been established in Croatia as a special service within EMS since 2024.

We will also pay special attention to professional development and continuous education for both professionals and laypersons, as lifelong learning and improvement are essential for ensuring a high level of effectiveness. We will discuss the ever-relevant issues of major accidents and disasters and explore ways to optimize and manage crisis situations more effectively. In the context of pediatric patients, we will identify specific challenges faced by EMS teams, ensuring that the need for specialized knowledge and skills in this group is fully addressed. Finally, we will emphasize the importance of professional and layperson resuscitation, as well as share experiences through presentations of unusual cases from which we can all learn a great deal.

I am confident that the selected topics will spark your interest and that the congress will meet your expectations. Your active participation adds special value to the Congress, and I would like to extend my heartfelt thanks to everyone who has actively contributed by submitting full papers, abstracts, and posters to help achieve the goals of the Congress. I would also like to thank everyone who has helped in the organization and realization of the Congress and look forward to our shared gathering in Vodice with great anticipation!

Saša Balija, MsN
CNSEM, President



PREDSJEDNIK KONGRESA

Congress president

Saša Bališa

TAJNICA KONGRESA

Congress secretary

Ana Stipetić

ORGANIZACIJSKI ODBOR

Organizing committee

Predsjednik

President

Želimir Đurić

Članovi

Members

Tomislav Bonić
Marijan Bašić
Marino Čanađija
Marina Friščić
Davorka Furdek
Martina Mikšaj
Perica Vucelić

STRUČNI ODBOR

Expert committee

Predsjednik

President

Damir Važanić

Članovi

Members

Ingrid Bošan – Kilibarda
Snježana Čukljek
Biljana Filipović
Adriano Friganović
Kata Ivanišević
Ivica Matić
Livia Puljak
Cecilija Rotim

PRIJE KONGRESNA RADIONICA

Pre-congress workshop

- 1. Pisanje i objavljivanje znanstveno-istraživačkih radova**
Writing and publishing scientific research papers

TEME KONGRESA

Congress topics

- 1. Zbrinjavanje moždanog udara u hitnoj medicini – možemo li bolje?**
Stroke care in Emergency Medicine - can we do better?
- 2. Helikopterska hitna medicinska služba**
Helicopter emergency medical service
- 3. Profesionalni razvoj i kontinuirana edukacija u hitnoj medicini**
Professional development and continuous education in Emergency Medicine
- 4. Velike nesreće i katastrofe**
Major accidents and disasters
- 5. Pedijatrijski pacijent u hitnoj medicini**
Pediatric patient in Emergency Medicine
- 6. Profesionalna i laička reanimacija**
Professional and layperson resuscitation
- 7. Prikaz nesvakidašnjeg slučaja**
Presentation of an unusual case
- 8. Slobodne teme**
Free topics

RADIONICE

Workshops

- 1. Interaktivna radionica Angels Initiative: Zbrinjavanje i liječenje bolesnika s akutnim moždanim udarom**
Angels Initiative Interactive Workshop: Acute stroke patients management and treatment
- 2. Uloga MPDJ-a u velikoj nesreći i katastrofi**
The role of Medical Dispatch Center in major accidents and disasters
- 3. Uloga OHBP-a u velikoj nesreći i katastrofi**
The role of Emergency Department in major accidents and disasters
- 4. Uvod u UZV za medicinske sestre/medicinske tehničare**
Basics of Ultrasound for Nurses and Medical Technicians

OKRUGLI STOLOVI

Round tables

- 1. Standardizacija komunikacije između MPDJ, timova HMS i OHBP – kako uskladiti procese i protok informacija?**
Standardization of communication between Medical Dispatch Center, EMS teams and ED - how to harmonize processes and information flow?
- 2. Primjena umjetne inteligencije u hitnoj medicini**
Application of Artificial Intelligence in Emergency Medicine

PROGRAM 13.03.2025.

11:00 - 13:00 REGISTRACIJA SUDIONIKA

Dvorana OLYMPIA

13:00 – 13:30	Svečano otvaranje Kongresa
13:30 – 13:45	Promocija izdanja: Nacionalne smjernice za rad izvanbolničke i bolničke hitne medicinske službe s pacijentima kojima je potrebna palijativna skrb, 2. izdanje <i>Maja Grba-Bujević, Adis Keranović</i>
13:45 – 14:00	Promocija izdanja: Smjernice za rad medicinskih sestara/ medicinskih tehničara specijalista u djelatnosti hitne medicine <i>Ingrid Bošan-Kilibarda, Damir Važanić</i>
14:00 – 14:20	The Power of Community. The Power of EMS <i>Maria Sheverdina</i>
14:20 – 14:40	Prikaz slučaja: Zbrinjavanje pacijenata s akutnim znakovima moždanog udara u OHBP-u prije i nakon Angels Initiative projekta - možemo li bolje? <i>Dijana Osman</i>
14:40 – 15:00	Pogled u 2024. godinu, od terena do statistike: iskustva HHMS baze Rijeka <i>Senka Kajčić</i>
15:00 – 15:20	Zlatni sat u očima traumatologa prije 20 godina i danas <i>Slaven Babić</i>
15:20 – 15:40	Prijepori o primjeni adrenalina u kardiopulmonalnoj reanimaciji <i>Ingrid Bošan- Kilibarda</i>
15:40 – 16:00	<i>Pauza za kavu</i>
Radno predsjedništvo: Marina Friščić i Branka Tomljanović	
16:00 – 16:15	Od poziva do dijagnoze: unapređenje trijaže moždanog udara u MPDJ <i>Stjepan Petričević, Igor Pelaić</i>
16:15 – 16:30	Moždani udar u izvanbolničkoj hitnoj medicinskoj službi <i>Ana Domjan Babić, Mirta Pihać</i>
16:30 – 16:45	Proces trijaže pacijenata sa znakovima moždanog udara u Objedinjenom hitnom bolničkom prijemu <i>Marina Friščić</i>
16:45 – 17:00	FAST/ NIHSS Stroke Assessment <i>Dijana Osman</i>

17:00 – 17:15	<i>Angels Project: Naša iskustva u liječenju akutnog moždanog udara, OB „dr. Tomislav Bardek“ Koprivnica Juraj Mark Poje, Gabrijela Šimunić</i>
17:15 - 17:30	Umjetna inteligencija u obrazovanju medicinskih sestara i tehničara <i>Boris Ilić, Irena Kovačević, Adriano Friganović, Martina Smrekar, Biserka Sedić, Biljana Filipović, Lucija Kiš</i>
17:30 – 17:45	Tehnološki napredak u trijaži: kako razvoj umjetne inteligencije mijenja medicinsku praksu <i>Helena Mayerhoffer</i>
17:45 – 17:55	Rasprava

Dvorana OLYMPIA	Dvorana RIVA (Hotel OLYMPIA SKY, prizemlje)
18:00 – 18:45 OKRUGLI STOL: Primjena umjetne inteligencije u hitnoj medicini Moderator: <i>Boris Ilić</i> Panelisti: <i>Mario Dugonjić, Franko Hržić, Kata Ivanišević</i>	18:00 – 18:45 RADIONICA: Interaktivna radionica Angels Initiative: Zbrinjavanje i liječenje bolesnika s akutnim moždanim udarom Voditeljice: <i>Dijana Osman i Maria Sheverdina</i>
21:00	<i>Koktel party (Hotel Olympia, aperitiv bar)</i>

PROGRAM 14.03.2025.

Dvorana OLYMPIA

Radno predsjedništvo: *Perica Vucelić i Kata Ivanišević*

09:00-09:15	Prepoznavanje indikacija i aktivacija tima HHMS – uloga MPDJ <i>Igor Pelaić, Stjepan Petričević</i>
09:15-09:30	Specifičnosti u zbrinjavanju hitnog pacijenta u helikopterskoj hitnoj medicinskoj službi <i>Adis Keranović</i>
09:30-09:45	Što još možemo učiniti u pripremi pacijenata za prijevoz hitnom helikopterskom medicinskom službom? <i>Senka Kajčić</i>
09:45-09:55	Hitna helikopterska medicinska služba (HHMS): Ključ za pravovremene intervencije, koordinaciju i sigurnost u hitnim situacijama <i>Andreja Maček</i>
09:55-10:05	Važnost helikopterske hitne medicinske službe za Virovitičko-podravsku županiju <i>Marko Vlajnić, Ivan Vilović</i>
10:05-10:15	Sigurniji život uz helikoptersku hitnu medicinsku službu: prikaz slučaja s ruralnog područja Karlovačke županije <i>Mario Popovački</i>
10:15-10:25	HHMS iz perspektive MPDJ Zavoda za hitnu medicinu Karlovačke županije <i>Antun Šlat, Nevio Mavrović</i>
10:25–10:35	Standardizacija komunikacije između medicinske prijavno-dojavne jedinice (MPDJ) i timova hitne medicinske službe (HMS)- izazovi, rizici i mogućnosti unaprjeđanja <i>Domagoj Turkalj, Stjepan Petričević, Igor Pelaić</i>
10:35-10:45	Medicinska prijavno-dojavna jedinica: središnja os zvijezde života u hitnoj medicini <i>Ivana Jakovljević, Stjepan Petričević, Igor Pelaić, Nada Bogović</i>
10:45-10:55	Rasprava

DVRANA Olympia	Dvorana RIVA (Hotel OLYMPIA SKY, prizemlje)
10:55 – 11:40 OKRUGLI STOL: Standardizacija komunikacije između MPDJ, timova HMS i OHBP – kako uskladiti procese i protok informacija? Moderator: <i>Stjepan Petričević</i> Panelisti: <i>Davorka Furdek, Senka Kajčić, Igor Pelaić</i>	10:55 – 11:40 RADIONICA: Uvod u UZV za medicinske sestre/medicinske tehničare Voditelj: <i>Ivan Gornik</i>
11:40-12:00	Pauza za kavu

DVRANA Olympia	
Radno predsjedništvo: <i>Igor Pelaić i Želimir Đurić</i>	
12:00-12:15	Akutno zbrinjavanje boli u pedijatrijskoj populaciji <i>Paola Bajlo</i>
12:15- 12:25	Prednosti primjene oromukozalne solucije pri zbrinjavanju epileptičkog statusa kod djece <i>Lucija Kiš, Katja Klepac, Magdalena Turniški, Boris ilić</i>
12:25- 12:35	Utjecaj trajanja razgovora i odabira kriterija na pružanje telefonskih uputa za reanimaciju: analiza iz sustava e-hitna u 2023. godini <i>Igor Pelaić, Stjepan Petričević</i>
12:35- 12:45	Razina stresa medicinskog dispečera prilikom davanja uputa za kardiopulmonalnu reanimaciju - analiza i rezultati istraživanja <i>Katarina Stipan, Valentina Sudžuković, Lidija Horvat, Ivan Lukaček</i>
12:45-12:55	Utjecaj razine tjelesne aktivnosti na masažu srca u kardiopulmonalnoj reanimaciji <i>Domagoj Tomičić, Benjamin Osmančević, Kata Ivanišević</i>
12:55-13:05	Zbrinjavanje srčanog aresta u Zavodu za hitnu medicinu Zagrebačke županije <i>Marina Golub, Ivica Matić, Marijana Bebek</i>
13:05-13:15	Edukacija medicinskih sestara/ tehničara u osnovnom održavanju života uz upotrebu automatskog vanjskog defibrilatora u KBC Sestre milosrdnice <i>Marica Jerleković, Darija Krčmar, Luka Šikić</i>

13:15-13:25	Propedeutika za medicinske sestre/tehničare – novi tečaj HSDHM-a <i>Želimir Đurić, Damir Važanić, Saša Balija</i>				
13:25-13:35	Rasprava				
13:35-15:30	<i>Ručak</i>				
Radno predsjedništvo: <i>Marijan Bašić i Damir Važanić</i>					
15:30-15:45	Postupanje MPDJ u velikoj nesreći <i>Marijan Bašić</i>				
15:45-16:00	Organizacija mjesta velike nesreće <i>Branka Bardak</i>				
16:00-16:15	Organizacija objedinjenog hitnog bolničkog prijema u velikoj nesreći <i>Katja Kudrna Prašek</i>				
16:15-16:30	Uloga HZHM-a i KS MZ u velikoj nesreći <i>Damir Važanić, Maja Grba-Bujević</i>				
16:30-16:40	Rasprava				
16:40-17:00	Pauza za kavu				
<table border="0"> <tr> <td style="background-color: #d62728; color: white; padding: 5px;">Dvorana RIVA (Hotel OLYMPIA SKY, prizemlje)</td> <td style="background-color: #d62728; color: white; padding: 5px;">Dvorana AQUA (Hotel OLYMPIA SKY, prizemlje)</td> </tr> <tr> <td style="background-color: #ffe4c4; padding: 5px;">17:00 – 17:45 RADIONICA: Uloga MPDJ-a u velikoj nesreći i katastrofi Voditelji: <i>Marijan Bašić i Branka Bardak</i></td> <td style="background-color: #ffe4c4; padding: 5px;">17:00 – 17:45 RADIONICA: Uloga OHBP-a u velikoj nesreći i katastrofi Voditelji: <i>Katja Kudrna Prašek, Martina Mikšaj, Paola Bajlo, Davorka Furdek</i></td> </tr> </table>		Dvorana RIVA (Hotel OLYMPIA SKY, prizemlje)	Dvorana AQUA (Hotel OLYMPIA SKY, prizemlje)	17:00 – 17:45 RADIONICA: Uloga MPDJ-a u velikoj nesreći i katastrofi Voditelji: <i>Marijan Bašić i Branka Bardak</i>	17:00 – 17:45 RADIONICA: Uloga OHBP-a u velikoj nesreći i katastrofi Voditelji: <i>Katja Kudrna Prašek, Martina Mikšaj, Paola Bajlo, Davorka Furdek</i>
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21:30	Disco night				

PROGRAM 15.03.2025.

Dvorana OLYMPIA

Radno predsjedništvo: *Ingrid Bošan- Kilibarda i Davorka Furdek*

09:30-09:40	Sigurnosni izazovi i medicinski aspekti moto sporta na primjeru Automotodroma Grobnik <i>Ante Plješa, Emanuela Marucci, Sandro Vidmanić</i>
09:40-09:50	Prijevreteni porod blizanaca u hitnoj medicinskoj službi-prikaz slučaja <i>Andrej Lilek, Martin Zubanović</i>
09:50-10:00	Najčešće nesreće u dječjoj dobi <i>Ivana Kralj</i>
10:00-10:10	Sestrinska skrb za bolesnika s plućnom embolijom u hitnom prijemu <i>Marko Štampar</i>
10:10-10:20	Sepsa i rana primjena antibiotske terapije u Objedinjenom hitnom bolničkom prijemu <i>Marko Radeljak</i>
10:20-10:30	Intoksikacija Gama- Hidroksiburatom (GHB) <i>Josip Stević, Saša Balija</i>
10:30-10:40	Zbrinjavanje moždanog udara u hitnoj medicini <i>Lucija Krivačić, Emir Tabaković</i>
10:40-10:50	Prijelomi ključne kosti u pacijenata OHBP-a OB Varaždin <i>Janja Vidić</i>
10:50-11:00	Zbrinjavanje ozljeda potkoljenice u izvanbolničkoj hitnoj medicinskoj službi: rad s istraživanjem <i>Danijel Tomašević</i>
11:00-11:10	Rasprava
11:10-11:30	Pauza za kavu

Radno predsjedništvo: *Martina Mikšaj i Marino Čanađija*

11:30-11:40	Netehničke vještine kao ključ uspjeha u zbrinjavanju hitnih stanja <i>Paolo Fatorić, Benjamin Osmančević</i>
11:40-11:50	Evolucija kvalitete u hitnoj medicini: izazovi i perspektive <i>Alma Lozančić, Jelena Kovačević, Tomislav Prša</i>
11:50-12:00	Multikulturološki pristup u zbrinjavanju pacijenata u hitnoj službi <i>Martina Mikšaj, Kata Ivanišević</i>

12:00-12:10	Kvaliteta života medicinskih sestara/tehničara na Objedinjenom hitnom bolničkom prijemu <i>Klaudija Lenić, Martina Mikšaj, Kata Ivanišević</i>
12:10-12:20	Prevenција sindroma izgaranja u OHBP-u <i>Ivana Cerovac, Doris Horvat</i>
12:20-12:30	Strategije za očuvanje dobrobiti djelatnika izvanbolničke hitne medicinske službe <i>Benjamin Osmančević, Mirko Prosen</i>
12:30-12:40	Iza sirena: istražujući zadovoljstvo radnika u hitnoj medicinskoj službi Zagreb <i>Marino Čanađija, Nora Knez</i>
12:40-12:50	Aktivnosti medicinske sestre kod održavanja potencijalnog donora <i>Ivona Dželalija Bura</i>
12:50-13:00	Rasprava
13:05-13:50	Prezentacija postera
13:50-13:55	Proglašenje naboljeg postera
14:00	ZATVARANJE KONGRESA
	<i>Ručak</i>

POPIS POSTERA

- P—1 Anafilaktički šok,
Zvonimir Banoža, Matija Radobuljac
- P—2 Disekcija aorte
Sanja Pavić Jelečki, Katarina Josipović, Martina Mikšaj
- P—3 Edukacija zaposlenika Zavoda za hitnu medicinu
Krapinsko-zagorske županije
Suzana Palatinuš
- P—4 Inhalacijska analgezija u hitnoj medicini: primjena Penthroxa
Anastazija Ramljak, Anita Krnjak
- P—5 Inovativni pristupi u edukaciji hitnih stanja
Ivana Kralj, Saša Balijsa
- P—6 Multidisciplinarni pristup u zbrinjavanju trudnice
s abrupcijom placente od HMP-a, rađaone do operacijske sale
*Silvia Tisaj Pigac, Ivana Sklepić Klobučarić, Tina Kresonja,
Milena Škvorc*
- P—7 Reanimacija u izvanbolničkim uvjetima
Suzana Palatinuš
- P—8 Stavovi građana o oživljavanju osoba van bolnice i DNR
(Do Not Resuscitate) - "Ne oživljavaj" obrascu
Barbara Samvik, Kristijan Štefanes, Nikola Čopor, Ivica Bračko
- P—9 Važnost prepoznavanja simptoma i znakova kardiogenog šoka kod
pacijenata u OHBP-u s osvrtom na slučaj pacijenta s postinfarktnom
rupturom septuma
Ramon Tumbas, Emil Kralj, Dragica Svetličić

The 100 Angels Regions strategy
is a *bold plan* to make the
world safe for stroke.



100 REGIONS | DECEMBER 2027

It is a regional approach, mobilizing hospitals, emergency services, local authorities and public educators for one mission: delivering better outcomes for stroke patients. Working together, we can provide safe hands for stroke patients in their communities – but only if we act as one. If one doesn't... nobody does.



That's the power of 100 Angels Regions: a common goal turning goodwill into shared purpose.

Implementation of awareness campaign

- Awareness education must meet an agreed target for FAST Heroes implementation* in elementary schools in the region.
- The target is calculated based on stroke incidence (number of new cases per population) in the region.
- Children who participate in the FAST Heroes program are each tasked with educating two grandparents.
- Therefore, the number of FAST Heroes participants required for Angels Region status is 0.5 of stroke incidence in the region.
- Please support FAST Heroes implementation by collaborating with local authorities and local patient support organizations to reach more schools and sharing your expertise with FAST Heroes agencies and teachers.

* Other awareness programs may qualify for this target. These will be evaluated on a case by case basis.

Achieve gold in the EMS Angels Awards

- To meet the criterion for Angels Regions, EMS companies must achieve a minimum of gold in the EMS Angels Awards.
- To become eligible for an EMS Angels award, your EMS must first comply with a set of inclusion criteria.
- Next, data must be collected for at least 30 consecutive patients transported per quarter.
- The data has to be captured in RES-Q where you will be notified of your provisional award status.
- Your award status will be confirmed once your submission has been reviewed and approved by the national coordinator.
- Note that to qualify for an award, performance must meet awards criteria based on international guidelines and the experience of our international EMS Steering Committee.

Have enough stroke-ready hospitals

- To become an Angels Region, you must reach regional targets for hospitals coverage.
- The optimal number of stroke-ready hospitals in any given region is determined by population and geography and agreed with the regional coordinator.
- This number is known as the regionally agreed target.
- If a region falls short of its regionally agreed target, the priority action will be to increase the number of stroke-ready hospitals.
- The Angels Initiative will help your region reach hospital coverage targets through a process of consultation, standardization, training and quality monitoring, supported by the stroke community in the region.
- Consider sharing your own knowledge and resources to help other hospitals in your region reach stroke-ready status.

Get all hospitals to gold in the ESO/WSO Angels Awards

- To reach Angels Region status, all hospitals in the stroke network must achieve at least gold status in the ESO/WSO Angels Awards.
- ESO/WSO Angels Awards are awarded quarterly to hospitals that meet a set of criteria based on international guidelines.
- To become eligible for an award, hospitals must capture treatment data for at least 30 consecutive stroke patients per quarter.
- Data must be captured in RES-Q or SITS.
- Your awards status will be confirmed once your submission has been reviewed and approved by your national coordinator.
- Diamond award winners are honored in national and international conferences.



Your Angels Consultant can help you

- Identify your region
- Agree targets across criteria
- Provide support and resources to reach Angels Regions goals

Angels consultants' contact details are in the Meet the Team section on the Angels website. If there is no Angels consultant in your territory, please contact us on angelscoreteam@iqvia.com

Join THE MOVEMENT



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Veeva ID HR-5375, travanj 2024., vrijedi do travnja 2026.

ZOLL DEFIBRILATOR X SERIJE S TELEMEDICINSKIM PRIJENOSOM PODATAKA U REALNOM VREMENU



ZOLL RescueNET LIVE telemedicinski sustav



Vaš pouzdani partner



kardian
samo pouzdano



kardian
samo pouzdano

PROGRAM 13.03.2025.

11:00 - 13:00 REGISTRATION OF PARTICIPANTS

Hall OLYMPIA

13:00 – 13:30	Opening ceremony
13:30 – 13:45	Promotion: National guidelines for out-of-hospital and hospital Emergency Medical Services with patients in need of palliative care, 2nd edition <i>Maja Grba-Bujević, Adis Keranović</i>
13:45 – 14:00	Promotion: Guidelines for nurses / medical technicians emergency medicine specialists <i>Ingrid Bošan-Kilibarda, Damir Važanić</i>
14:00 – 14:20	The power of Community. The power of EMS <i>Maria Sheverdina</i>
14:20 – 14:40	Case report: Care of patients with acute signs of stroke in the Emergency Department before and after the Angels Initiative project - Can we do better? <i>Dijana Osman</i>

14:40 – 15:00	Looking back to 2024, from field to statistics: experiences of HEMS base Rijeka <i>Senka Kajčić</i>
15:00 – 15:20	Golden hour in the eyes of traumatologists 20 years ago and today <i>Slaven Babić</i>
15:20 – 15:40	Controversies in the Use of Adrenaline in Cardiopulmonary Resuscitation <i>Ingrid Bošan-Kilibarda</i>
15:40 – 16:00	<i>Coffee break</i>
Chairs: <i>Marina Friščić and Branka Tomljanović</i>	
16:00 – 16:15	From Call to Diagnosis: Improving Stroke Triage in the Emergency Dispatch Center <i>Stjepan Petričević, Igor Pelaić</i>
16:15 – 16:30	Stroke in Emergency Medical Service <i>Ana Domjan Babić, Mirta Pihać</i>
16:30 – 16:45	Triage process of patients with signs of stroke in Emergency Department <i>Marina Friščić</i>
16:45 – 17:00	Fast / NIHSS Stroke Assessment <i>Dijana Osman</i>
17:00 – 17:15	<i>Angels Project</i> : Our experience in acute stroke treatment, GH “ Dr. Tomislav Bardek “ Koprivnica <i>Juraj Mark Poje, Gabrijela Šimunić</i>
17:15 - 17:30	Reimagining Nursing Education with Artificial Intelligence <i>Boris Ilić, Irena Kovačević, Adriano Friganović, Martina Smrekar, Biserka Sedić, Biljana Filipović, Lucija Kiš</i>
17:30 – 17:45	Technological Advancement in Triage: How the Development of AI is Changing Medical Practice <i>Helena Mayerhoffer</i>
17:45 – 17:55	Discussion

Hall OLYMPIA	Hall RIVA (hotel OLYMPIA SKY, ground floor)
18:00 – 18:45 DISCUSSION PANEL: Application of artificial intelligence in Emergency Medicine Moderator: <i>Boris Ilić</i> Panelists: <i>Mario Dugonjić, Franko Hržić, Kata Ivanišević</i>	18:00 – 18:45 WORKSHOP: Angels Initiative Interactive Workshop: Acute stroke patients management and treatment Moderators: <i>Dijana Osman and Maria Sheverdina</i>
21:00	<i>Cocktail party (Hotel Olympia, aperitiv bar)</i>

PROGRAM 14.03.2025.

Hall OLYMPIA

Chairs: *Perica Vucelić and Kata Ivanišević*

09:00-09:15	Identification, indications and activation of the HEMS team-role of Emergency Dispatch Centre <i>Igor Pelaić, Stjepan Petričević</i>
09:15-09:30	Specificities in the Management of Emergency Patients in HEMS <i>Adis Keranović</i>
09:30-09:45	What else can we do to prepare patients for transport by HEMS? <i>Senka Kajčić</i>
09:45-09:55	HEMS: Key to timely interventions, coordination and safety in emergency situations <i>Andreja Maček</i>
09:55-10:05	The Importance of HEMS for Virovitičko-podravaska County <i>Marko Vljajnić, Ivan Vilović</i>
10:05-10:15	A Safer Life with Helicopter Emergency Medical Service – Case Study from a Rural Area of Karlovac Count <i>Mario Popovački</i>
10:15-10:25	HEMS from the perspective of Emergency Dispatch Centre of Karlovac County <i>Antun Šlat, Nevio Mavrović</i>
10:25–10:35	Standardization of communication between the Emergency Dispatch Centre and EMS teams - challenges, risks and opportunities for improvement <i>Domagoj Turkalj, Stjepan Petričević, Igor Pelaić</i>
10:35–10:45	Medical Dispatch Center: Central Axis of the Star of Life in Emergency Medicine <i>Ivana Jakovljević, Stjepan Petričević, Igor Pelaić, Nada Bogović</i>
10:45-10:55	Discussion

Hall Olympia	Hall RIVA (hotel OLYMPIA SKY, ground floor)
10:55 – 11:40 DISCUSSION PANEL: Standardization of communication between Medical Dispatch Center and EMS teams and ED - how to harmonize processes and information flow? Moderator: <i>Stjepan Petričević</i> Panelists: <i>Davorka Furdak, Senka Kajčić, Igor Pelaić</i>	10:55 – 11:40 WORKSHOP: Introduction to UZV for nurses/medical technicians Moderator: <i>Ivan Gornik</i>
11:40-12:00	Coffee break

Hall Olympia

Chairs: *Igor Pelaić and Želimir Đurić*

12:00-12:15	Acute pain management in the pediatric population <i>Paola Bajlo</i>
12:15- 12:25	Advantages of using oromucosal solution for treating epileptic status in children <i>Lucija Kiš, Katja Klepac, Magdalena Turniski, Boris ilić</i>
12:25- 12:35	The impact of call duration and criteria selection on the provision of telephone resuscitation instructions: An analysis from the e-Hitna system in 2023 <i>Igor Pelaić, Stjepan Petričević</i>
12:35- 12:45	The Medical Dispatcher stress level when giving instructions for cardiopulmonary resuscitation - analysis and research results <i>Katarina Stipan, Valentina Sudžuković, Lidija Horvat, Ivan Lukaček</i>
12:45-12:55	The Impact of Physical Activity on the Quality of Chest Compression during Cardiopulmonary Resuscitation <i>Domagoj Tomičić, Benjamin Osmančević, Kata Ivanišević</i>
12:55-13:05	Cardiac arrest at the County Institute for Emergency Medicine of Zagrebačka County <i>Marina Golub, Ivica Matić, Marijana Bebek</i>
13:05-13:15	Education of nurses / technicians in Basic Life Support with the use of Automatic External Defibrillator in Sestre milosrdnice University Hospital Center <i>Marica Jerleković, Darija Krčmar, Luka Šikić</i>
13:15-13:25	Propedeutics for nurses / technicians - new CNSEM course

13:25-13:35	Discussion
13:35-15:30	<i>Lunch</i>
Chairs: <i>Marijan Bašić and Damir Važanić</i>	
15:30-15:45	Medical Dispatch Centre in a major accident <i>Marijan Bašić</i>
15:45-16:00	Organisation of scene in major accident <i>Branka Bardak</i>
16:00-16:15	ED in a major accident <i>Katja Kudrna Prašek</i>
16:15-16:30	The role of CIEM and Crisis HQ of Ministry of Health in a major accident <i>Damir Važanić, Maja Grba-Bujević</i>
16:30-16:40	Discussion
16:40-17:00	Coffee break
Hall RIVA (Hotel OLYMPIA SKY, ground floor)	Hall AQUA (Hotel OLYMPIA SKY, ground floor)
17:00 – 17:45 WORKSHOP: The role of the Medical Dispatch Center in major accident and disaster Moderators: <i>Marijan Bašić and Branka Bardak</i>	17:00 – 17:45 WORKSHOP: The role of the ED in a major accident and disaster Moderators: <i>Katja Kudrna Prašek, Martina Mikšaj, Paola Bajlo, Davorka Furdek</i>
21:30	Disco night

PROGRAM 15.03.2025.

Hall OLYMPIA

Chairs: *Ingrid Bošan-Kilibarda and Davorka Furdek*

09:30-09:40	Safety challenges and medical aspects of Motor Sport on the example of the Grobnik Automotodrome <i>Ante Plješa, Emanuela Marucci, Sandro Vidmanić</i>
09:40-09:50	Premature birth of twins in the EMS - case report <i>Andrej Lilek, Martin Zubanović</i>
09:50-10:00	The most common accidents in childhood <i>Ivana Kralj</i>
10:00-10:10	Nursing care for patients with pulmonary embolism in ED <i>Marko Štampar</i>
10:10-10:20	Sepsis and early use of antibiotic therapy in ED <i>Marko Radeljak</i>
10:20-10:30	Gamma - Hydroxyburate (GHB) intoxication <i>Josip Stević, Saša Balija</i>
10:30-10:40	Stroke management in Emergency Medicine <i>Lucija Krivačić, Emir Tabaković</i>
10:40-10:50	Collarbone fractures in ED of GH Varaždin <i>Janja Vidić</i>
10:50-11:00	Management of lower leg injuries in pre-hospital EMS: research <i>Danijel Tomašević</i>
11:00-11:10	Discussion
11:10-11:30	Coffee break

Chairs: *Martina Mikšaj and Marino Čanađija*

11:30-11:40	Non-technical skills as the key to success in emergency care <i>Paolo Fatorić, Benjamin Osmančević</i>
11:40-11:50	Evolution of quality in Emergency Medicine: challenges and perspectives <i>Alma Lozančić, Jelena Kovačević, Tomislav Prša</i>

11:50-12:00	A multicultural approach to patient care in the emergency department <i>Martina Mikšaj, Kata Ivanišević</i>
12:00-12:10	Quality of life of ED nurses / technicians <i>Klaudija Lenić, Martina Mikšaj, Kata Ivanišević</i>
12:10-12:20	Prevention of burnout syndrome in ED <i>Ivana Cerovac, Doris Horvat</i>
12:20-12:30	Strategies for Maintaining the Well-Being of Ambulance Personnel <i>Benjamin Osmančević, Mirko Prosen</i>
12:30-12:40	Behind the Sirens: Exploring Job Satisfaction in Zagreb's Emergency Medical Services <i>Marino Čanadija, Nora Knez</i>
12:40-12:50	The role of nurses in management of a potential organ donor <i>Ivona Dželalija Bura</i>
12:50-13:00	Discussion
13:05-13:50	Poster presentation
13:50-13:55	The best poster award
14:00	CLOSING OF THE CONGRESS
	<i>Lunch</i>

POSTER LIST

- P—1 Anaphylactic shock,
Zvonimir Banoža, Matija Radobuljac
- P—2 Aortic dissection
Sanja Pavić Jelečki, Katarina Josipović, Martina Mikšaj
- P—3 Education of employees of the Institute of Emergency Medicine
of Krapina - Zagorje County
Suzana Palatinuš
- P—4 Inhalation Analgesia in Emergency Medicine: Application of Pentrox
Anastazija Ramljak, Anita Krnjak
- P—5 Innovative Approaches in Emergency Education
Ivana Kralj, Saša Bališa
- P—6 Multidisciplinary Approach in Managing a Pregnant Woman with
Placental Abruption – From EMS to Delivery Room and Operating
Theatre
*Silvia Tisaj Pigac, Ivana Sklepić Klobučarić, Tina Kresonja,
Milena Škvorc*
- P—7 Resuscitation in out-of-hospital conditions
Suzana Palatinuš
- P—8 Stavovi građana o oživljavanju osoba van bolnice i DNR
(Do Not Resuscitate) - “Ne oživljavaj” obrascu
Barbara Samvik, Kristijan Štefanes, Nikola Čopor, Ivica Bračko
- P—9 The importance of recognizing the symptoms and signs of
cardiogenic shock in patients in the ED with reference to the case
of a patient with postinfarction septal rupture
Ramon Tumbas, Emil Kralj, Dragica Svetličić

