

Hrvatski zavod za javno zdravstvo/Croatian Institute of Public Health
Referentni centar Ministarstva zdravstva za dijagnostiku i praćenje virusnih zoonoza/
Reference Centre for Diagnosis and Surveillance of Viral Zoonoses Croatian Ministry of Health
Veterinarski fakultet Sveučilišta u Zagrebu/Faculty of Veterinary Medicine University of Zagreb
Hrvatski veterinarski institut/Croatian Veterinary Institute
Nastavni zavod za javno zdravstvo "Dr Andrija Štampar"/Andrija Štampar Teaching Institute of Public Health
Medicinski fakultet Sveučilišta u Zagrebu/School of Medicine University of Zagreb
Hrvatsko društvo za kliničku mikrobiologiju/Croatian Society for Clinical Microbiology

Virtualni simpozij s međunarodnim sudjelovanjem
Virtual Symposium with International Participation

(RE-)EMERGENTNI ARBOVIRUSI U SJENI PANDEMIJE COVID-19 (RE-)EMERGING ARBOVIRUSES IN THE SHADOW OF COVID-19 PANDEMIC

uz potporu/with support of

**Svjetske zdravstvene organizacije, Regionalni ured za Europu
World Health Organization, Regional Office for Europe**



Voditelji/Chairs

Tatjana Vilibić-Čavlek, Ljubo Barbić, Vladimir Savić, Irena Tabain, Bernard Kaić

Organizacijski odbor/Organizing committee:

Ljubo Barbić, Maja Bogdanić, Ivana Ferenčak, Maja Ilić, Nataša Janev-Holcer, Pavle Jeličić, Bernard Kaić, Vladimir Savić, Vladimir Stevanović, Irena Tabain, Tatjana Vilibić-Čavlek

Znanstveni odbor/Scientific committee:

Elkhan Gasimov, Krunoslav Capak, Kirk Osmond Douglas, Gaëlle Gonzalez, Ana Klobučar, Branko Kolarić, Mladen Kučinić, Jasna Leniček Krleža, Branko Kolarić, Josip Madić, Alemka Markotić, Anna Mrzljak, Nenad Pandak, Tamaš Petrović, Marija Santini, Giovanni Savini, Ivan Toplak, Nenad Turk, Klaudija Višković, Jasmina Vraneš, Snježana Židovec-Lepej

Zagreb, 10-11. lipnja/June 2021

Četvrtak/Thursday, 10. lipnja/June 2021

08.30 – 08.45 Otvaranje simpozija/Opening

(RE-)JEMERGENTNI ARBOVIRUSI NA PODRUČJU EUROPE
(RE-)EMERGING ARBOVIRUSES IN EUROPE
Moderator/Chairs: Vladimir Savić

- 08.45 – 09.05 **Invited lecture:** *Report on vector-borne diseases - Interim Risk Assessment in the WHO European Region* (Elkhan Gasimov, Malaria and Other Vector-Borne and Parasitic Diseases, WHO Regional Office for Europe, Copenhagen, Denmark)
- 09.05 – 09.25 **Invited lecture:** *Overview of West Nile virus and Usutu virus circulation in Europe from 2016 to 2020* (Gaëlle Gonzalez, Agence Nationale de Sécurité Sanitaire de l'Alimentation, de l'Environnement et du Travail, Maisons-Alfort, France)
- 09.25 – 09.45 **Invited lecture:** *Emerging flaviviruses in Italy* (Giovanni Savini, OIE Reference Center for West Nile Disease, Istituto Zooprofilattico Sperimentale "G. Caporale", Teramo, Italy)
- 09.45 – 10.05 **Invited lecture:** *Viral and vector-borne viral zoonoses in Serbia - activities of the veterinary profession* (Tamaš Petrović, Scientific Veterinary Institute, Novi Sad, Serbia)
- 10.05 – 10.15 Rasprava/Discussion

(RE-)JEMERGENTNI ARBOVIRUSI NA PODRUČJU HRVATSKE U KONTEKSTU JEDNOG ZDRAVLJA
(RE-)EMERGING ARBOVIRUSES IN CROATIA IN THE 'ONE HEALTH' CONTEXT
Moderator/Chair: Ljubo Barbić

- 10.15 – 10.30 *Prevalencija i molekularna epidemiologija arbovirusnih infekcija na području Hrvatske/Prevalence and molecular epidemiology of arboviral infections in Croatia* (Tatjana Vilibić-Čavlek, Hrvatski zavod za javno zdravstvo/Croatian Institute of Public Health, Zagreb)
- 10.30 – 10.45 *Seroprevalencija West Nile virusa u peradi u Hrvatskoj u 2020. i 2021. godini/Seroprevalence of West Nile virus in poultry in Croatia, 2020-2021* (Vladimir Savić, Hrvatski veterinarski institut/Croatian Veterinary Institute, Zagreb)
- 10.45 – 11.00 *Domaće životinje kao sentinel za praćenje arbovirusnih infekcija/Domestic animals as sentinels for arboviral diseases surveillance* (Ljubo Barbić, Veterinarski fakultet Sveučilišta u Zagrebu/Faculty of Veterinary Medicine University of Zagreb)
- 11.00 – 11.15 *Flavivirusi u komaraca na području Hrvatske/Flaviviruses in mosquitoes in Croatia* (Ana Klobučar, Nastavni zavod za javno zdravstvo "Dr Andrija Štampar"/Andrija Štampar Teaching Institute of Public Health, Zagreb)
- 11.15 – 11.30 *Epidemija krpelnog encefalitisa nakon konzumacije sirovog kozjeg mlijeka/Outbreak of tick-borne encephalitis after consumption of raw goat milk* (Maja Ilić, Hrvatski zavod za javno zdravstvo/Croatian Institute of Public Health, Zagreb)
- 11.30 – 11.45 Rasprava/Discussion
- 11.45 – 12.15 Stanka/Break

KLINIČKA SLIKA I DIJAGNOSTIKA ARBOVIRUSNIH INFEKCIJA
CLINICAL MANIFESTATIONS AND DIAGNOSIS OF ARBOVIRAL INFECTIONS
Moderator/Chair: Snježana Židovec-Lepej

- 12.15 – 12.35 **Invited lecture:** *The envelope protein of Usutu virus attenuates West Nile virus virulence in immunocompetent mice* (Lucija Jurišić, Istituto Zooprofilattico Sperimentale "G. Caporale", Teramo, Italy)
- 12.35 – 12.50 *Klinička slika krpelnog encefalitisa/Clinical manifestations of tick-borne encephalitis* (Dario Sabadi/Ljiljana Perić, Klinički bolnički centar Osijek/Clinical Hospital Center Osijek)
- 12.50 – 13.05 *Teški oblici West Nile neuroinvasivnih infekcija/Severe cases of West Nile neuroinvasive infection* (Marija Santini, Klinika za infektivne bolesti/University Hospital for Infectious Diseases "Dr Fran Mihaljević", Zagreb)
- 13.05 – 13.20 *Encefalitis uzrokovan West Nile virusom - radiološki nalazi s kliničkom korelacijom/West Nile encephalitis - radiologic findings with clinical correlation* (Klaudija Višković, Klinika za infektivne bolesti/University Hospital for Infectious Diseases "Dr Fran Mihaljević", Zagreb)

- 13.20 – 13.35 *Imunološki biljezi u neuroinvasivnim arbovirusnim infekcijama/Immunological markers in neuroinvasive arboviral infections* (Snježana Židovec-Lepej, Klinika za infektivne bolesti/University Hospital for Infectious Diseases "Dr Fran Mihaljević", Zagreb)
- 13.35 – 13.45 Rasprava/Discussion

(RE-)EMERGENTNI ARBOVIRUSI U TROPSKIM PODRUČJIMA

(RE-)EMERGING ARBOVIRUSES IN THE TROPICS

Moderator/Chair: Tatjana Vilibić-Čavlek

- 13.45 – 14.05 **Invited lecture:** *Emerging arboviruses in the tropics* (Kirk Osmond Douglas, Centre for Biosecurity Studies at The University of the West Indies Cave Hill Campus, Barbados)
- 14.05 – 14.20 *Meningoencefalitis nakon cijepljenja protiv žute groznice - prikaz slučaja/Meningoencephalitis after yellow fever vaccination - a case report* (Neven Papić, Klinika za infektivne bolesti/University Hospital for Infectious Diseases "Dr Fran Mihaljević", Zagreb)
- 14.20 – 14.35 *Prikaz rada Centra za cijepljenje i putničke bolesti/Activities of Centre for Vaccination and Prevention of Travel Diseases* (Mirjana Lana Kosanović Ličina, Nastavni zavod za javno zdravstvo "Dr Andrija Štampar"/Andrija Štampar Teaching Institute of Public Health, Zagreb)
- 14.35 – 14.45 *Emergentne arbovirusne infekcije u putnika/Emerging arboviral infections in Croatian travelers* (Maja Bogdanić, Hrvatski zavod za javno zdravstvo/Croatian Institute of Public Health, Zagreb)
- 14.45 – 15.00 Rasprava/Discussion
- 15.00 – 15.15 Stanka/Break

PRAĆENJE I PREVENCIJA ARBOVIRUSNIH INFEKCIJA NA PODRUČJU HRVATSKE

SURVEILLANCE AND PREVENTION OF ARBOVIRAL INFECTIONS IN CROATIA

Moderator/Chairs: Josip Madić

- 15.15 – 15.30 *Sustavi kontrole flavirusa/Surveillance of flaviviruses* (Iva Benven, Veterinarski fakultet Sveučilišta u Zagrebu/Faculty of Veterinary Medicine University of Zagreb)
- 15.30 – 15.45 *Monitoring invazivnih vrsta komaraca u Hrvatskoj/Monitoring of invasive mosquito species in Croatia* (Nataša Janev Holcer/Pavle Jeličić, Hrvatski zavod za javno zdravstvo/Croatian Institute of Public Health, Zagreb)
- 15.45 – 16.00 *DNA barkodiranje i bioraznolikost krpelja (Acari: Ixodidae) Hrvatske/Tick (Acari: Ixodidae) DNA barcoding and biodiversity in Croatia* (Mladen Kučinić, Prirodoslovno-matematički fakultet Sveučilišta u Zagrebu/Faculty of Science University of Zagreb)
- 16.00 – 16.15 *Prevenција emergentnih zoonoza cijepljenjem/Vaccination against emerging zoonoses* (Bernard Kaić, Hrvatski zavod za javno zdravstvo/Croatian Institute of Public Health, Zagreb)
- 16.15 – 16.30 Rasprava/Discussion
- 16.30 – 17.00 Prikaz kratkih priopćenja i postera/Short communication and poster presentations

COVID-19: EMERGENTNA GLOBALNA JAVNOZDRAVSTVENA PRIJETNJA

COVID-19: AN EMERGING GLOBAL PUBLIC HEALTH THREAT

Moderatori/Chairs: Irena Tabain, Vladimir Stevanović

- 09.00 – 09.20 **Invited lecture:** *COVID-19: Experiences from the Middle East* (Nenad Pandak, The Royal Hospital, Muscat, Oman)
- 09.20 – 09.35 *Klinička slika COVID-19/Clinical characteristics of COVID-19* (Alemka Markotić, Klinika za infektivne bolesti/University Hospital for Infectious Diseases "Dr Fran Mihaljević", Zagreb)
- 09.35 – 09.50 *Epidemiološke značajke COVID-19 na području Hrvatske/Epidemiological characteristics of COVID-19 in Croatia* (Goranka Petrović, Hrvatski zavod za javno zdravstvo/Croatian Institute of Public Health, Zagreb)
- 09.50 – 10.05 *Epidemiološko i kliničko značenje određivanja Ct vrijednosti RT-PCR testa na SARS-CoV-2/Epidemiological and clinical significance of SARS-CoV-2 RT-PCR Ct value* (Jasmina Vraneš, Nastavni zavod za javno zdravstvo "Dr Andrija Štampar"/Andrija Štampar Teaching Institute of Public Health, Zagreb)
- 10.05 – 10.20 *Genska raznolikost SARS-CoV-2 na području Hrvatske/Genetic diversity of SARS-CoV-2 in Croatia* (Ivana Ferenčak, Hrvatski zavod za javno zdravstvo/Croatian Institute of Public Health, Zagreb)
- 10.20 – 10.30 Rasprava/Discussion
- 10.30 – 10.45 Stanka/Break
- 10.45 – 11.05 **Invited lecture:** *Three human coronaviruses (HKU1, OC43, 229E) from patients and bovine coronavirus (BCoV) from cattle with respiratory disease in Slovenia: genetic characterization of field strains* (Ivan Toplak, Institute of Microbiology and Parasitology, Veterinary Faculty University of Ljubljana, Slovenia)
- 11.05 – 11.25 *Seroprevalencija SARS-CoV-2 na području Hrvatske/Seroprevalence of SARS-CoV-2 in Croatia* (Irena Tabain, Hrvatski zavod za javno zdravstvo/Croatian Institute of Public Health, Zagreb)
- 11.25 – 11.40 *Seroprevalencija SARS-CoV-2 u djece od inicijalnog do trećeg vala COVID-19 epidemije: Rezultati Klinike za dječje bolesti Zagreb/Seroprevalence of SARS-CoV-2 in children from the initial to the peak of the third wave of the COVID-19 epidemic: Results of Children's Hospital Zagreb* (Jasna Leniček Krleža, Klinika za dječje bolesti Zagreb/Children's Hospital Zagreb)
- 11.40 – 11.55 *COVID-19 u transplantiranih bolesnika/COVID-19 in transplant population* (Anna Mrzljak, Klinički bolnički centar Zagreb/Clinical Hospital Center Zagreb)
- 11.55 – 12.10 *Zdravo starenje u doba pandemije COVID-19 u Hrvatskoj/Healthy ageing in the era of COVID-19 pandemic in Croatia* (Tanja Čorić/Branko Kolarić, Nastavni zavod za javno zdravstvo "Dr Andrija Štampar"/Andrija Štampar Teaching Institute of Public Health, Zagreb)
- 12.10 – 12.25 *Značaj kućnih ljubimaca u epidemiologiji COVID-19 - Što danas znamo?/The role of pet animals in the epidemiology of COVID-19. What do we know today?* (Vladimir Stevanović, Veterinarski fakultet Sveučilišta u Zagrebu/Faculty of Veterinary Medicine University of Zagreb)
- 12.25 – 12.40 *Cijepljenje protiv COVID-19/Vaccination against COVID-19* (Iva Pem Novosel, Hrvatski zavod za javno zdravstvo/Croatian Institute of Public Health, Zagreb)
- 12.40 – 13.30 Prikaz kratkih priopćenja i postera/Short communication and poster presentations
- 13.30 – 14.00 Rasprava. Zaključci. Zatvaranje simpozija/Discussion. Conclusions. Closing.