



Dear colleagues and friends of SEEC,

It is with great honor and pleasure that we extend warm greetings to you on behalf of the Infectious Disease Society of the Republic of North Macedonia and International Medical Association Bulgaria (IMAB). We are delighted to announce the 14th SEEC Conference on Infections and Cancer, to be held in Ohrid, North Macedonia, from October 3rd to 6th, 2024.

This conference promises to serve as a significant gathering of scholars, researchers, and professionals in the field, providing an invaluable platform for the exchange of knowledge and ideas.

Infectious diseases and infectology constitute integral aspects of everyday medical challenges and have consistently remained pivotal components of numerous other medical disciplines. Particularly in recent times, with the emergence of new infectious diseases, our collective role in combating these threats has assumed heightened significance.

Esteemed lecturers, both domestic and international luminaries, will share their invaluable insights and experiences, addressing not only the prevailing challenges in infectious diseases but also delving into the evolving landscape of emerging infectious diseases. With their expertise, they will illuminate modern strategies and approaches aimed at effectively managing these complex health threats.

Your active participation in the Congress, through the exchange of knowledge, expert discussions, and collaborative efforts, is instrumental. By showcasing your expertise and contributing to the discourse, you play a pivotal role in advancing the field of infectology and shaping the global response to infectious diseases, including emerging threats.

Thank you for your continued support, and we look forward to communicating more news about the upcoming Congress!

Marija Dimzova, Chair of the Local Org. Committee of SEEC
President of the Macedonian Society for Infectious Diseases

Krassimir Metodiev, Chair of the Intl. Committee of SEEC
Founder and Hon. Chair of SEEC, President of IMAB



ПРОГРАМА

3 Октомври 2024/ October 3rd 2024
Четврток/Thursday

14.00-18.00 Регистрација/Registration

Сесија I / Session I - Сепса и антимикробна резистенција / Sepsis and antimicrobial resistance

Chairs: Edmond Puca, Marija Cvetanovska, secretary d-r Tatjana Stojanoska

- 15.00-15.15 Вонболнички стекната пневмонија, што е ново?Community acquired pneumonia-what's new?-Kondova Topuzovska Irena. North Macedonia
- 15.15-15.30 Рационална употреба на антибитоци кај критично болни пациенти. Stewardship of antibiotics in critical ill patients-Edmond Puca, Albania
- 15.30-15.45 Акутен бактериски менингитис-нова ера, нови заклучоци. Acute bacterial meningitis-new era, new conclusions. Marija Cvetanovska . North Macedonia
- 15.45-16.0 Сепса индуцирана од имунсупресија. Sepsis induced immunosuppression - a new diagnostic and therapeutic approach. Ankica Vujovic, Serbia.
- 16.00-16.15 Дискусија/Discussion
- 16.15-16.30 Кафе pauza/ Coffee break
- 16.30-16.45 Важност на лабораториските биомаркери во дијгнозата на микотичните инфекции. The importance of laboratory biomarkers for diagnosis of fungal infections Aleksandra Barac. Serbia
- 16.45-17.00 Дијагностичката моќ на пресепсионот во дијагнозата на сепса. The diagnostic power of presepsin in the diagnosis of sepsis -Aliu-Bejta Ajete. Kosovo
- 17.00-17.15 Етички дилеми во развојот на нови антибиотици. Ethical issues in the development of novel antibiotics -Nevena Divac. Serbia
- 17.00-17.15 Наше искуство во ехокардиографска евалуација на инфективен ендокардитис Our experiences in echocardiographic evaluation of infective endocarditis- Marija J. Kartalova-North Macedonia
- 17.15-17.30 Дискусија / Discussion
- 20.00-20.30 Отварање / Opening Ceremony
- 20.30 Коктел / Cocktail Hotel Metropol**



4-ти Октомври 2024/ October 4th , 2024 Петок/Friday

08.30-18.00 Регистрација / Registration

08.40-08.45 Opening greetings and announcement

Сесија II/ Session II - ХИВ/СИДА HIV/AIDS

Chairs: Jovan Ranin, Milena Stevanovikj, Secretary Velimir Saveski

08.45-09.00 Застапеност на компонентите на метаболен синдром кај лица со ХИВ инфекција кои примаат антиретровирусна терапија. Prevalence of metabolic syndrome components in persons with HIV infection receiving antiretroviral therapy B. Petreska . North Macedonia

09.00-09.15 Полифармација и интеракција лек со лек и храна при АРВ кај пациенти кои живеат со ХИВ/Polypharmacy and drug-drug/food interaction of ARVs in PLWHIV. Gordana Dragovic Serbia

09.15-10.15 Панел дискусија ХИВ/АИДС Panel Discussion HIV/AIDS . Пре експозициска профилакса, PrEP решенија за ХИВ епидемијата и нула нови случаи и нови инфекции. Pre exposition prophylaxis, PrEP, solution for HIV epidemy and zero new cases of new infections Arjan Harxhi, Albania, Ranin Jovan - Serbia, Noori Teymor - CDC expert, Stevanovic Milena - North Macedonia

10.15-10.30 Кафе пауза/Coffee break

10.30-10.45 Мајмунски сипаници. Мрох. Mike Youle .United Kingdom

10.45 -11.00 Лајшманијаза кај ХИВ пациенти. Leishmaniasis in HIV patients – Arjan Harxhi, Albania

11.00-11.15 Дискусија/Discussion

11.15-12.00 Симпозиум ХИВ /Symposium HIV - Medicopharmacia/Lenis

12.00-12.15 Кафе пауза / Coffee break

12.15-12.30 Епидемиологија и клиничко менаџирање на ХИВ во КосовоEpidemiology and Clinical Management of HIV in Kosovo: A Five-Year Retrospective Study (2019-2023) Murat Mehmeti, Kosovo

12.30 -12.45 Оптимизација на АРТ во Србија/ ART optimization in Serbia - Jovan Ranin, Serbia

12.45-13.15 Симпозиум Алкалоид / Symposium Alkaloid

13.15-13.30 Дискусија / Discussion

13.30-15.00 Poster Session I (posters 1- 25)

Chairs: Victoria Sarafian, Marija Cvetanovska, Secretary Dajana Gjeorgieva

13.30-15.0 Ручек / Lunch



Сесија III / Session III - Карциноми / Cancer

Chairs: Orlin Savov, Rubens Jovanovic, secretary Emilijan Jusufovski

- 15.00-16.00 Симпозиум Алкалоид Конс/ Alkaloid Cons Symposium HPV
- 16.00-16.15 Нови согледувања на инфективната карциногенеза кај претходно несуспектни малигни неоплазми. New insights on infectious carcinogenesis in previously unsuspected malignant neoplasms- Rubens Jovanovic. North Macedonia
- 16.15-16.30 Infection in cancer patients receiving radiotherapy- Igor Stojkovski. North Macedonia
- 16.30-16.45 Кафе пауза/Coffee break
- 16.45-17.0 ХПВ асоциран сквамозен орофарингеал карцином / HPV associated squamous oropharyngeal cancer - Kostadinova Lence, North Macedonia
- 17.00-17.15 Castration resistant prostate cancer : from existing therapies to setting under investigation in 2024-Orlin Savov Germany
- 17.15-17.30 Nutritional support and enteral feeding in operative treatment of abdominal tumors - Rositsa Popova, Bulgaria
- 17.30-17.45 Elderly awareness of the benefits of vaccines against COVID-19 A. Andonova, Bulgaria
- 17.45-18.00 Дискусија /Discussion

20.00 — Гала вечер / Gala Dinner - Hotel Bellevue



5 ти Октомври 2024/ October 5th, 2024 Сабота/Saturday

08.30-18.00 Регистрација/Registration

Сесија IV / Session IV - Тропска медицина и пристап едно здравје / Tropical Medicine and One Health Approach

Chairs: Tsonko Raunov, Nakan Leblebicioglu, secretary Kostadin Poposki

- 09.00-09.15 Клинички карактеристики и исход кај пациенти со еритема мигранс во регионот на Приштина. Clinical Characteristics and treatment outcome of patients with Erythema Migrans in region of Pristhina -Albina Ponosheci Bicaku -Kosovo
- 09.15-09.30 Ботулизам-Клиничко епидемиолошки предизвик /Botulism -A clinical epidemiological challenge- Tsonko Raunov-Bulgaria
- 09.30 -09.45 Преглед на состојбата со зоотските болести опфатени со националната програма за здравствена заштита на животните и предизвиците во пристапот едно здравје. Overview of the situation with zoonotic diseases covered by the national animal health protection program and the challenges in the one health approach. Игор Џацовски/ Igor Dzadzovski-Makedonija
- 09.45-10.15 Кримско-Конго хеморагична треска во Европа: Растечки глобален предизвик. Crimean-Congo hemorrhagic fever in Europe: A growing global treat -Nakan Leblebicioglu Türkiye
- 10.15-10.30 Еколошко кружење на антибиотиците и АМР. Environmental circling of antibiotics and AMR- Goran Stevanovic-Serbia
- 10.30-10.45 Дискусија/Discussion
- 10.45-11.30 Симпозиум Pfizer -Клинички бенефити на Ceftarolin / Symposium Pfizer-Clinical benefits of the use of ceftaroline
- 11.30-11.45 Кафе пауза/ coffee break

Сесија V/ Session V - Вирусни хепатитиси / Viral hepatitis

Chairs: Arben Vishaj, Marija Dimzova, secretary Sofija Matevska

- 11.45-12.30 Симпозиум Хепатитис/Symposium Medicopharmacia/Lenis
- 12.30-12.45 Антивирусна терапија на хроничен хепатитис Б/Antiviral treatment of chronic hepatitis B in Kosova- Arben Vishaj-Kosovo
- 12.45-13.00 Хроничен хепатитис Ц-терапевтски достигнувања/ Chronic hepatitis C- therapeutic advances- Marija Dimzova-North Macedonia
- 13.00-13.15 Хроничен хепатитис и ХЦЦ. Chronic hepatitis and HCC-dr Meri Trajkova- North Macedonia
- 13.15-13.30 Дискусија/ Discussion



13.30-15.00 Ручек/Lunch

13.30-15.00 Poster session II (Posters 26-50)

Chairs: Rosica Popova, Marija Dimzova, Secretary Emilija Dimitrova

Сесија VI / Session VI – Инфектологија / Infectology

Chairs: Esi Duka, Katerina Spasovska. **Secretary:** Ane Petrushevska.

15.00-15.15 Септичен шок синдром предизвикан од *St. pneumoniae* кај спленектомиран пациент. Septic shock syndrome caused by *St. pneumoniae* in patient with splenectomy. Goran Rangelov-North Macedonia

15.15-15.30 Comparison of three severity scoring models for mortality prediction in patients with community acquired pneumonia- Katerina Spasovska North Macedonia

15.30-15.45 Profile of patients with COVID-19 hospitalized in the Infectious Diseases Service during the 2020 pandemic-Esi Duka-Albania

15.45-16.00 Антимикробна резистенција кај изолати на *Campylobacter jejuni* и *Salmonella* spp добиени од хоспитализирани адултни пациенти со гастронетеритис. Antimicrobial resistance profiles of *Campylobacter jejuni* and *Salmonella* spp. isolated from hospitalized adult patients with gastroenteritis Arlinda Loga Osmani. North Macedonia

16.00-16.15 Дискусија / Discussion

16.15 -16.30 Кафе пауза / Coffee break

Сесија VII / Session VII - Слободни теми / Free topics

Chairs: Vanelin Gjeorgiev, Lillya Panaytova-Oycharova, secretary Elena Denkovska

16.30-16.45 Methods of physical therapy for local transdermal application of drugs for the treatment of diseases of the musculoskeletal system-review -prof.dr- Lillya Panaytova-Oycharova, Bulgaria

16.45-17.00 Long term rehabilitation results in patients with orthopedic implants of the left upper and lower extremities. Bulgaria

17.00-17.15 Unicompartmental Knee Arthroplasty-Current Concepts and results- V.Stefanov, Bulgaria

17.15-17.30 Cupping therapy and kinesitherapeutic recovery after shoulder arthroplasty: pilot Study -Valentin Velchev, Bulgaria

17.30-17.45 Relationship of physical activity to degree of overweight in individuals with sarcopenic obesity- M. Nikolova -Bulgaria

17.45-18.00 3D Preoperative Planned Versus Computer Navigated Total Knee Arthroplasty . Grigorov V. Bulgaria.

18.00-18.15 Role of Sonication in Diagnostics of Prosthetic Joint Infection. Grigorov V. Bulgaria

18.15-18.30 Chronic Diseases as a Cause of Disability among Seafarers-Ivelinova M. Bulgaria



18.30-18.45 Дискусија / Discussion

18.30-18.45 Organizing/Scientific Committee meeting

19.00 Closing session, awards, and announcements for next 15-th SEEC. Announcements of Awards Young Scientists

20.00 Вечера/ Dinner - Hotel Metropol

6-ти Октомври 2024 / October 6th, 2024
Недела/Sunday

08.30-11.00 Closing of the conference

10.00-11.00 Certificates for attendance



Постери / Posters

1. Agovska Adriana. Dynamics in the structure and main epidemiological indicators of infectious incidence in Bulgaria. Bulgaria
2. Agovska Adriana. Trends in the prevalence of cancer diseases in Bulgaria over an 11-year period (2013 to 2023). Bulgaria
3. Arslida Gatah. Ramsey Hunt Syndrome as real reason for facial paralysis in a young woman. Kosovo
4. Argjifoski Rineta. Acute viral gastroenteritis in adults, norovirus. Albania
5. Arsikj Elena. HIV pre-exposure prophylaxis as a tool against the silent syphilis epidemic in North Macedonia. North Macedonia
6. Cvetanovski Vlatko. Wound complication after venaseal closure procedure of incompetent perforator veins ? North Macedonia
7. Cvetkovski Roberto. North Macedonia, Analysis of cerebrospinal fluid using Biofire Filmarray meningitis/ encephalitis panel: A study of 61 Patients in 2023
8. Damuneva- Zhelyabova Marina. Strategies for improving ergonomic factors of the administrative department in trade sector. Albania
9. Dimitrova E. Methicillin- sensitive S. aureus bacteriemia and meningitis associated with intraspinal and psoas abscess- case report. North Macedonia
10. Doichinova Liliya. Assessment of the nutritional status of children from 6 to 12 years old by anthropometric indicators. Bulgaria
11. Doichinova Liliya. Correlation between dietary habits and intensity of dental caries in children arepublic aged 6 to 12 years. Bulgaria
12. Doichinova Liliya. Peculiarities of dietary habits and diet in relation to the development of dental caries in children aged to 6 to 12 years. Bulgaria
13. Draganova Milena. 3D fibrosarcoma bioprinted models for cytotoxicity assessment of green synthesized iron nanoparticles. Bulgaria
14. Etova Rumyana. Preventing the risk of gastrointestinal infections after floods. Bulgaria
15. Georgievska D. Recurrent Clostridioides difficile colitis- Case report. North Macedonia
16. Gjataj Arsilda, Ramsay Hunt Syndrome as a real reason of facial paralysis in a young woman. Albania
17. Hristova Mira. International Miscarriage Rates: A Comprehensive Overview of Prevalence and Causes. Bulgaria
18. Ivanova Tsvetomira. M1/M2 macrophages at the tumor front in colorectal cancer- key signatures. Bulgaria
19. Ivanova Violeta. Pulmonary rehabilitation in elderly patients. Bulgaria
20. Jakimovski Dejan. Exploration of emerging tick-borne pathogens and neglected tick-borne diseases in North Macedonia. North Macedonia
21. Janev Georgi. Replacement of economic directors in public health institutions with specialists in health economics, an opportunity to overcome the current financial problems of health institutions. North Macedonia



22. Anita Jovetić .Surveillance system of HAI in Southbacka district, Serbia- feedback and reports. Serbia
23. Jusufovski E. Imported furuncular myiasis in the Republic of North Macedonia- A three case study. North Macedonia
24. Kondov Borislav. Surgical approach in the treatment of lung cancer. North Macedonia
25. Kovacheva Eleonora. miR-101-3p/COX-2 axis in patients with autism spectrum disorder. Bulgaria
26. Kryemadhi N. Clinical-biological aspects of Occult Hepatitis B infection (OBI), Seropositive forms. Albania
27. Kryemadhi N. Extra pulmonary Complications of COVID-19. Albania
28. Mateska S. Acute-on-chronic liver failure-case report. North Macedonia
29. Mehterov Nikolay. A new panel of miRNAs as a biomarker signature in head and neck and thyroid cancer. Bulgaria
30. Mihaylova Valentina . Inflammation, mitochondrial and lysosomal dysfunction in rheumatoid arthritis Bulgaria
31. Meta Esmeralda. Kaposi's Sarcoma in HIV+ Albanian Patients. Albania
32. Milosavljevikj A. Haemophilus influenzae meningitis in an adult: A rare etiology of meningitis- case report. North Macedonia
33. Milenkovic-Zivanovic Marija. Ten year intensive care unit surveillance in Novi Sad, Serbia. Serbia
34. Monov Daniel. Epidemiology of intestinal infections in Silistra Region, Bulgaria for the period 2019-2023. Bulgaria
35. Monov Daniel. Microbiological studies and their diagnostic value for healthcare-associated infections in the complex oncological centre- Ruse, Bulgaria during 2020-2022. Bulgaria
36. Nikolova M. Assessment of knowledge of healthy eating pattern and lifestyle in individuals living with overweight and obesity. Bulgaria
37. Panayotova- Ovcharova Liliya. Methods of physical therapy for local transdermal application of drugs for the treatment of diseases of the musculoskeletal system- review. Bulgaria
38. Paskaleva Ruska. Respiratory rehabilitation to improve the quality of life in elderly people with diabetes after the COVID pandemic. Bulgaria
39. Pavlova Vanya. Study of the influence of breathing exercises and respiratory rehabilitation on postural disorders in childhood and adults . Bulgaria
40. Poposki Kostadin. Fever of Unknown Origin: Clinical Characteristics and Etiological Spectrum. North Macedonia
41. Popova Rositsa. Influence of medical nutrition therapy on a patient with gastric cancer detected at an early stage. Bulgaria
42. Qato Migena. Fever as a first manifestation of gastric carcinoma: A case report, ?
43. Sarafian Victoria. Lysosome-associated membrane glycoproteins in normal and malignant human epidermis. Bulgaria



44. Saveski Velimir. Positive outcome with Doravirin/ Emtricitabine/ Tenofofir disoproxil fumarat in a patient with low HIV viraemia. North Macedonia
45. Sbirkov Y. Validation of electrochemotherapy protocols in a 3D bioprinter colorectal cancer model. Bulgaria
46. Stamenkovska A. Community- acquired pneumonia with pleural empyema and superficial femoral artery thrombosis as complications- Case report. North Macedonia
47. Stojanoska Tatjana. Varicella-Zoster virus and meningitis in immunocompetent patient-case report. North Macedonia
48. Taneva-Georgieva Nora. Quality of life after reconstruction of front cross connection. Bulgaria
49. Topalov Vasil. Biological area of damage challenges to general practitioners. Bulgaria
50. Valkanova Elena. Health hazard in the tap water in Plovdiv region. Bulgaria