

**Tematica și bibliografia aferentă postului scos la concurs din cadrul Clinicii universitare Boli Infecțioase II – conferențiar universitar poziția 10:**

**TEMATICA LIMBA ENGLEZĂ**

1. Etiology of infectious diseases: classification of microbial agents.
2. Mechanisms of microbial pathogenesis. Modes of interaction with microorganisms: colonization versus infection, latent infection and reactivation.
3. Anti-infectious immune defense mechanisms.
4. Infections associated with immunosuppression. Diagnostic and therapeutic approach to febrile neutropenia.
5. Vaccines and immunoglobulins. National vaccination program.
6. Positive diagnosis in infectious diseases.
7. Major parainfectious syndromes: fever, acute respiratory distress syndrome (ARDS), septic shock, multiple systemic organ failure (MSOF).
8. Principles of antibiotic use.
9. The main classes of antibiotics.
10. Antibiotic therapy in particular situations: antibiotic therapy in pregnant women, in breastfeeding women, in patients with renal or hepatic insufficiency.
11. Bacterial resistance to antibiotics: mechanisms, significance, ways of highlighting, impact on treatment.
12. Judicious use of antibiotics: concept, implementation.
13. Antibiotic prophylaxis.
14. Antiviral, antifungal, antiparasitic therapy.
15. Pathogenetic treatment in infectious diseases.
16. Prolonged fever of unknown origin.
17. Eruptive diseases of childhood: scarlet fever, rubella, measles, hand-mouth-foot disease, infectious mononucleosis.
18. Infectious pathology in pregnant women: management of infections with potential for maternal-fetal transmission.
19. Infection with herpes simplex viruses 1 and 2 (HSV1 and HSV2) and varicella-zoster virus (VZV). Infections with herpes viruses 6,7 and 8 (HHV 6,7,8).
20. Cytomegalovirus (CMV) infection. Epstein Barr virus (EBV) infection. Toxoplasmosis. Differential diagnosis of mononucleosis syndrome.
21. Urinary infection. Convulsive cough. Diphtheria.
22. IACRS: acute laryngitis, epiglottitis, acute tracheobronchitis, exacerbations of chronic bronchitis.
23. Flu.
24. Infection with SARS-CoV-2.
25. Staphylococcal infection.
26. Meningococcal infection.

27. Infections with enterobacteria (except digestive infections).
28. Infections with non-fermentative Gram negative bacilli: *P aeruginosa*, *Acinetobacter* spp.
29. Infectious pneumonias. Pulmonary suppurations. Pleurisy.
30. Ear, nose and throat (ENT) infections: angina, acute stomatitis, rhinosinusitis, otitis.
31. Acute meningitis of bacterial, viral, tuberculous and fungal etiology. Acute encephalitis (infectious and postinfectious).
32. Myelitis, polyneuritis and other neuroviruses.
33. Diarrheal syndromes: etiology, pathogenesis, general principles of diagnosis and treatment. Food poisoning. Viral infections of the digestive tract.
34. Diarrheal syndromes with defined etiology: *Clostridioides difficile* infection. bacterial dysentery, cholera, other bacterial infections of the digestive tract.
35. Diseases with a toxin mechanism: botulism, anthrax, tetanus.
36. Zoonoses: trichinellosis, brucellosis, rabies.
37. Acute and chronic viral hepatitis. Differential diagnosis of jaundice.
38. Human immunodeficiency virus (HIV) infection.
39. Imported infections: hemorrhagic fever, malaria, typhoid and paratyphoid fever, traveler's diarrhea, amoebic dysentery.
40. Leptospirosis. Lyme disease. Recurrent fever
41. Rickettsioses: exanthematic typhus, button fever, Q fever.
42. Sepsis.
43. Infectious endocarditis.
44. Systemic fungal infections.
45. Urinary tract infections: cystitis, acute pyelonephritis, renal abscess, acute prostatitis.
46. Healthcare-associated infections (HAI): definitions, etiology, clinical aspects.
47. Prevention of IAAM: universal precautions according to routes of transmission, individual measures and packages of measures.
48. Pneumonia associated with medical care (including that associated with mechanical ventilation).
49. Postoperative wound infections: prophylaxis, diagnosis, treatment
50. Intra-abdominal infections.
51. Osteoarticular infections. Spondylodiscitis. Infectious arthritis.
52. Skin and soft tissue infections. Gas gangrene and other clostridial infections. The diabetic foot
53. Infections in particular situations: patients with medical devices, users of IV drugs, the severely burned.
54. Accidental exposure to the blood of patients and the necessary measures to prevent the illness of medical personnel.

### ***Bibliography:***

1. Adrian Streinu-Cercel, Victoria Aramă, Petre Iacob Calistru. Boli Infecțioase – curs pentru studenți și medici rezidenți. Volumul 1, Editura Universitară "Carol Davila", 2019. ISBN 978-606-011-063-7 ; 978-606-011-081-1.
2. Adrian Streinu-Cercel, Victoria Aramă, Petre Iacob Calistru. Boli Infecțioase – curs pentru studenți și medici rezidenți. Volumul 2, Editura Universitară "Carol Davila", 2021. ISBN 978-606-011-063-7 ; 978-606-011-082-8.
3. Emanoil Ceaușu. Tratat de Boli Infecțioase. Volumul 1, Editura Medicală. 2018. ISBN 978-973-39-0847-0
4. Emanoil Ceaușu. Tratat de Boli Infecțioase. Volumul 2, Editura Medicală. 2020. ISBN 978-973-39-0877-7
5. Dennis L. Kasper, Anthony S. Fauci. Harrison Boli Infecțioase. Ed 2. Editura All. 2020. ISBN 978-606-587-431-2
6. Feather A., Randall D., Waterhouse Mona. Kumar&Clark Medicină clinică Ed. a 10-a. Editura Hipocrate. 2021. ISBN 978-606-95178-0-2
7. Ordinul Ministrului Sănătății nr. 1101 din 30 septembrie 2016 privind aprobarea Normelor de supraveghere, prevenire și limitare a infecțiilor asociate asistenței medicale în unitățile sanitare. Monitorul Oficial, Partea I nr. 791 din 07 octombrie 2016, accesat la <https://www.scnpc.ro/Legi/ordin%201101.pdf>

Ghidul pentru prevenirea și limitarea fenomenului de rezistență la antimicrobiene (AMR) și a infecțiilor asociate asistenței medicale (IAAM) – Boli Infecțioase, Epidemiologie, Microbiologie, accesatela adresele

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