

SUBJECT: MICROBIOLOGY
II academic year 2019-2020

SCHEDULE

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| VII 20. 03. 2020. | <p>Lecture (2) Introduction to Medical Virology and general properties of viruses. Virion structures (genome, capsid, viral envelope). Criteria for viral classification. Taxonomy of viruses.</p> <p>Practical (3) Causative agents and laboratory diagnosis of invasive (systemic) mycoses (<i>Candida</i>, <i>Cryptococcus</i>, <i>Aspergillus</i>, <i>Fusarium</i>, <i>Penicillium</i>). Genus <i>Pneumocystis</i>.</p> | Prof Tanja Jovanović Ass Prof Eleonora Dubljanin Prof Valentina Arsić Arsenijević |
| VIII 27. 03. 2020. | <p>Lecture (2) Viral replication (recognition and attachment to the target cell, penetration, uncoating, transcription, translation, replication of the genome, viral protein synthesis, assembly, release).</p> <p>Seminar (2) Viral genetics. Mutations. Recombinations.</p> <p>Seminar (1) Viral interference, interferons and antiviral mechanisms of interferons.</p> | Prof Maja Ćupić Prof Maja Ćupić Prof Tanja Jovanović Assoc Prof Maja Stanojević Assoc Prof Ivana Lazarević |
| IX 03. 04. 2020. | <p>Lecture (2) Virus-host interaction. Cytolytic infections. The phenomenon of virus persistence. Various types of persistent infection (chronic, latent, „slow“ viral infections). Pathogenesis of viral infection.</p> <p>Practical (3) The principles of laboratory diagnosis of viral infections. Collection of specimens. Virus isolation in living systems of cells (embryonated eggs, cell cultures, experimental animals).</p> | Prof Tanja Jovanović Ass Danijela Miljanović Ass Marko Janković |
| X 10. 04. 2020. | <p>Lecture (2) <i>Picornaviridae</i> (Polioviruses, Coxsackie A and B viruses, Echoviruses, Rhinoviruses). Respiratory viruses: <i>Orthomyxoviridae</i> (Influenza virus), <i>Paramyxoviridae</i> (Parainfluenza viruses), <i>Pneumoviridae</i> (Respiratory Syncytial Virus), <i>Coronaviridae</i> (SARS-CoV, MERS-CoV).</p> <p>Practical (3) Identification of viruses based on morphology, antigens and nucleic acids.</p> | Ass Prof Ana Banko Ass Danijela Miljanović Ass Marko Janković |
| XI 17. 04. 2020. | Easter Holiday | |
| XII 24. 04. 2020. | <p>Lecture (2) <i>Herpesviridae</i> (Herpes simplex virus type 1 & 2, Varicella-Zoster virus, Cytomegalovirus, Epstein-Barr virus, HHV-6, 7, 8).</p> <p>Seminar (1) Oncogenic viruses. Mechanism of DNA and RNA oncogenesis.</p> | Prof Maja Ćupić Assoc Prof Maja Stanojević |

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| | Practical (2) Serological diagnosis of viral infections: types of serological reactions & interpretation of serological test results and problems of serodiagnosis. | Assoc Prof Ivana Lazarević Ass Danijela Miljanović Ass Marko Janković |
| XIII 01. 05. 2020. | Labor day | |
| XIV 08. 05. 2020. | Lecture (2) Primary hepatotropic viruses (HAV, HBV, HCV, HDV, HEV, HGV). Practical (2) Laboratory diagnosis of herpesviral infections. Practical (1) Basic principles of antiviral therapy. | Assoc Prof Ivana Lazarević Assoc Prof Aleksandra Knežević Ass Prof Ana Banko Assoc Prof Maja Stanojević Ass Marko Janković |
| | Make up: Institute 13.45 – 16.00 Practical (2) Laboratory diagnosis of viral hepatitis. Seminar (1) Viral vaccines. Head Building 16.30 – 18.00 Lecture (2) <i>Retroviridae</i> (HIV/AIDS, HTLV 1, 2). <i>Papillomaviridae</i> (HPV), <i>Polyomaviridae</i> (JC & BK virus), <i>Adenoviridae</i> . | Assoc Prof Ivana Lazarević Ass Prof Ana Banko Assoc Prof Ivana Lazarević Ass Danijela Miljanović Assoc Prof Maja Stanojević |
| XV 15. 05. 2020. | Lecture (2) Viral rash fever diseases: <i>Togaviridae</i> (Rubella virus). <i>Paramyxoviridae</i> (Morbilli virus, Mumps virus), <i>Parvoviridae</i> (Parvo B19 virus). <i>Poxviridae</i> (Variolla virus, Vaccinia virus, Molluscum Contagiosum virus). <i>Reoviridae</i> and other GIT viruses (<i>Caliciviridae</i> , „F“ types adenoviruses, <i>Coronaviridae</i>). Practical (2) Laboratory diagnoses of HIV/AIDS Seminar (1) Viral zoonoses (<i>Rhabdoviridae</i> , <i>Arenaviridae</i> , <i>Filoviridae</i>) <i>Arboviruses</i> (<i>Togaviridae</i> , <i>Flaviviridae</i> , <i>Bunyaviridae</i>) | Assoc Prof Aleksandra Knežević Assoc Prof Maja Stanojević Assoc Prof Aleksandra Knežević Ass Prof Ana Banko Assoc Prof Aleksandra Knežević |
| Microbiology II Qolloquium –BACTERIOLOGY, PARASITOLOGY-MYCOLOGY & VIROLOGY | | |
| <ul style="list-style-type: none"> ▪ First term (1st) 10. 04. 2020. Amphitheater Silos, 14:00-15.00. ▪ Re-term (2nd) 24. 04. 2020. Amphitheater Silos, 16:00-17.00. | | |

