University of Split School of Medicine 24.11.23.

Department of Medical Microbiology and Parasitology

**MEDICAL STUDIES IN ENGLISH**

#### New Detailed schedule of teaching units: lectures, seminars and practicals for the subject

“Basics of Medical Microbiology and Parasitology” in academic year 2023./2024.

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| **Wednesday, 29. 11. 2023.** | |
| **Lecture M** (2h):Prof.*Ivana Goić Barišić,* MD. PhD.  Introduction to medical mycology. Morphology and reproduction of the fungi. Fungal diseases - pathogenesis. Antifungal agents.  **9,40 – 11,15 A116**  **Seminar M** (2h): A/Prof. *Katarina Šiško Kraljević*, MD. PhD.  Medically important fungi.  **11,20 – 12,55 Seminar group II** **(3,4), A101**  **Seminar M** (2h): A/Prof. *Anita Novak*,MD. PhD.  **11,20 – 12,55 Seminar group I (1,2), A102** |  |
| **Thursday, 30. 11. 2023.** | |
|  | **Practical M (2h):** Yeasts and moulds – macro and micromorphology. Principles of isolation and identification od medically important yeasts and moulds. Serological diagnosis of mycoses. Diagnosis of dermatomycosis.  Group **1: 8,00 – 9,35** Dr.*Marina Radić Skelin*, MD.  Group **2:** **9,40 – 11,15** Dr. *Žana Rubić,* MD.  Group **3: 11,20 – 12,55** A/Prof. *Merica Carev,* MD. PhD.  Group **4: 13,00 – 14,35** A/Prof. *Katarina Šiško Kraljević*, MD. PhD. |
| **Friday, 1. 12. 2023.** | |
| **Lecture P** (3h):Prof. *Marija Tonkić,* MD. PhD.  Introduction to medical parasitology. Medical protozoology. Blood and tissue protozoa - genera: *Toxoplasma, Plasmodium, Leishmania.*  **9,40 – 12,05 amfiteatar,PAK** | **Practical P1 (4h):** Diagnosis of toxoplasmosis, leishmaniasis and malaria. Giemsa-Romanowsky-stained biopsy specimen, thick and thin blood films. Preparing, staining and microscopy of specimen (recognition of parasitic forms). Serological diagnostic testing.  Group **3: 12,30 – 15,45** A/Prof. *Katarina Šiško Kraljević*,MD.PhD. |
| **4.week** | |
| **Monday, 4. 12. 2023.** | |
| **Seminar P1** (2h): A/Prof. *Anita Novak*,MD. PhD.  Protists of gastrointestinal and urogenital system – genera: *Giardia,* *Entamoeba, Cryptosporidium, Trichomonas.*  **8,00 – 9,35 Seminar group I (1,2), sem.r.2,PAC**  **Seminar P1** (2h): A/Prof. *Katarina Šiško Kraljević*,MD.PhD.  Protists of gastrointestinal and urogenital system …  **11,20 – 12,55 Seminar group II (3,4), sem.r.2,PAC** | **Practical P1 (4h):** Diagnosis of toxoplasmosis, leishmaniasis and malaria. Giemsa-Romanowsky-stained biopsy specimen, …  Group **4: 8,00 – 11,15** Dr.*Marina Radić Skelin*, MD.  Group **2: 11,20 – 14,35** Prof. *Vanja Kaliterna*, MD. PhD.  Group **1: 14,40 – 17,55** A/Prof. *Anita Novak*,MD. PhD. |
| **Tuesday, 5. 12. 2023.** | |
| **Seminar P2** (2h): A/Prof. *Anita Novak*,MD. PhD.  Nematodes and Cestodes: *Trichinella, Trichuris, Enterobius, Ascaris, Taenia, Echinococcus*.  **8,00 – 9,35** **Seminar group II (3,4) , sem.r.3,PAC**  **Seminar P2** (2h): A/Prof. *Katarina Šiško Kraljević*,MD.PhD.  **8,00 – 9,35** **Seminar group I (1,2), classroom ,PAC** | **Practical P2** **(4h):** Diagnosis of intestinal parasitosis. Microscopy of direct wet mount, Lugol's iodine and concentration method (MIFC). Micromorphology of protozoan cysts, eggs and larval helmints. Recognition of adult forms. Graham's anal swab. Diagnosis of echinococcosis and trichinellosis.  Group **1: 10,00 – 13,15** A/Prof*. Merica Carev,* MD. PhD.  Group **2: 13,20 – 16,35** Dr. *Marina Radić Skelin*, MD. |
| **Wednesday, 6. 12. 2023.** | |
|  | **Practical P2** **(4h):** Diagnosis of intestinal parasitosis. Microscopy of direct wet mount, Lugol's iodine and concentration method (MIFC). Micromorphology of protozoan cysts, eggs and larval helmints. Recognition of adult forms. Graham's anal swab. Diagnosis of echinococcosis and trichinellosis.  Group **3: 8,00 – 11,15** Dr. *Žana Rubić*, MD.  Group **4: 11,20 – 14,35** Prof. *Vanja Kaliterna*, MD. PhD. |
| **Thursday 7. 12. 2023.** | |
| **KNOWLEDGE TESTING** (Mycology+Parasitology) - exam  **13,00 – 13,30**  **Amfiteatar, PAC;** **A101, A102, A104** |  |
| **Friday, 8. 12. 2023.** | |
| **Lecture V1 (3h):** A/Prof.*Irena Tabain*, MD. PhD.  Introduction to virology. Chemical composition and structure of viruses. Viral antigens and hemagglutination. Replication of viruses. Pathogenesis of viral diseases. Viral interference and interferon. Chemoprophylaxis and therapy of viral diseases. Viral vaccines. Prions.  **9,40 - 12,05 amfiteatar, PAC** | **Practical V1** (4h):Clinical samples in virology. Cultivation of viruses in laboratory animals.Cultivation of viruses in chicken embryo - inoculation. Cultivation of viruses in cell culture. Microscopy of cythopatic effect. Microscopy of intracellular inclusions. Rapid tests and methods of molecular biology in virology.  Group **1: 13,00 – 16,00** A/Prof. *Irena Tabain*, MD. PhD. |
| **5.week** | |
| **Monday, 11. 12. 2023.** | |
| **Seminar V1** (2h): A/Prof. *Irena Tabain*, MD. PhD.  DNK virusi: Parvoviridae, Papovaviridae, Adenoviridae, Poxviridae.  **8,50 – 10,25 Seminar group II** **(3,4), B103,BSB**  **10,30 – 12,05 Seminar group I** **(1,2), B103,BSB** | **Practical V1** (4h):Clinical samples in virology. Cultivation of viruses in laboratory animals.Cultivation of viruses in chicken embryo - inoculation. Cultivation of viruses in cell culture. Microscopy of cythopatic effect. Microscopy of intracellular inclusions. Rapid tests and methods of molecular biology in virology.  Group **3: 11,00 – 14,00** Prof. *Vanja Kaliterna*, MD. PhD.  Group **4: 14,00 – 17,00** A/Prof. *Irena Tabain*, MD. PhD. |
| **Tuesday,12. 12. 2023.** | |
| **Seminar V2** (2h): A/Prof. *Irena Tabain*, MD. PhD.  *Orthomyxoviridae*, *Paramyxoviridae, Coronaviridae.*  **8,00 – 9,35 Seminar group I (1,2), B101,BSB**  **9,40 – 11,15 Seminar group II (3,4), B101,BSB** | **Practical V1** (4h):Clinical samples in virology. Cultivation of viruses in laboratory animals.Cultivation of viruses in chicken embryo - inoculation. Cultivation of viruses in cell culture. Microscopy of cythopatic effect. Microscopy of intracellular inclusions. Rapid tests and methods of molecular biology in virology.  Group **2: 12,15 – 15,15** A/Prof. *Irena Tabain*, MD. PhD. |
| **Wednesday,13. 12. 2023.** | |
| **Lecture V2 (2h):** A/Prof. *Irena Tabain*, MD. PhD.  *Flaviviridae, Togaviridae, Bunyaviridae, Filoviridae, Arenaviridae.*  **8,00 – 9,35 B101,BSB**  **Seminar V3 (2h):** A/Prof. *Irena Tabain*, MD. PhD.  RNA viruses: *Picornaviridae (Enterovirus*, *Hepatovirus*), *Caliciviridae*, *Reoviridae.*  **10,30 – 12,05**  **Seminar group II (3,4), B101,BSB**  **12,10 – 13,45** **Seminar group I (1,2) , B101,BSB** | **Practical V2** (3h):Serological methods in diagnosing viral diseases.  Group **4: 13,00 – 15,25** A/Prof. *Šiško Kraljević*, MD. PhD.  Group **3: 15,30 – 17,55** Dr. *Žana Rubić*, MD. |

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| **Thursday, 14. 12. 2023.** | |
| **Seminar V4** (2h): A/Prof. *Katarina Šiško Kraljević*, MD. PhD.  *Rhabdoviridae*, *Retroviridae*.  **8,00 – 9,35 Seminar group I**  **(1,2), B104,BSB**  **9,40 – 11,15 Seminar group II**  **(3,4), B104,BSB** | **Practical V2** (3h): Serological methods in diagnosing viral diseases.  Group **2: 10,10 – 12,25** A/Prof. *Anita Novak*,MD. PhD.  Group **1: 12,30 – 14,45** Dr. *Žana Rubić*, MD. |
| **Friday,15. 12. 2023.** | |
| **Seminar V5** (2h): A/Prof. *Katarina Šiško Kraljević*, MD. PhD.  *Herpesviridae.* Hepatitis B,C and D.  **8,00 – 9,35 Seminar group II** **(3,4), B101,BSB**  **9,40 – 11,15 Seminar group I**  **(1,2), B10,BSB** |  |
| **6.week** | |
| **Monday,18. 12. 2023.** | |
| **KNOWLEDGE TESTING** (Virology) - exam  **9,00 – 10,00**  **amfiteatar-KBC Firule;PAC:sem.r.3,classroom** |  |
| **Tuesday, 19. 12. 2023.** | |
| **KNOWLEDGE TESTING** other partial exams  **9,00-11,00**  **PAC - classroom**  **Practical/ Oral exam** | |
| **Wednesday, 20. 12. 2023.** | |
| **Practical/ Oral exam** | |
| **Thursday,21. 12. 2023.** | |
| **Practical/ Oral exam** | |

**The practicals are held in Practical room of the Department of Medical Microbiology and Parasitology on the 1st floor of PAC (Pathology-Anatomy Complex).**

**OBLIGATORY TEXTBOOK :**

Brooks GF, Carroll KC, Butel JS, Morse SA, Mietzner TA, eds. Jawetz, Melnick and Adelbergs

**Medical Microbiology. 26th ed**. New York: McGraw-Hill; 2013.

Marija Tonkić and associates **Medical Microbiology** Practicum for medical students Split , 2022.

**EXAMS**

1. **19. - 21. 12. 2023.**
2. **19.07. 2024.**
3. **05.09. 2024.**
4. **19. 09. 2024.**

**Head of the Department:**

**Prof. Marija Tonkić, MD. PhD**