

**UNIVERSITY OF SPLIT, SCHOOL OF MEDICINE
DEPARTMENT FOR INFECTOLOGY**

Head of Department:

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**MEDICAL STUDIES IN ENGLISH
COURSE: INFECTOLOGY**

Teaching staff:

Prof. Ivo Ivić, Ph.D., MD

Ass.prof. Ledina Dragan, Ph.D., MD

Teaching assistants:

Nenad Pandak, Ph.D., MD

Dominko Carev, Ph.D., MD

Nikica Kuzmičić, MD

95 hours of instruction (5 ECTS):

- Lectures.... 20 hours
- Seminars... 26 hours
- Practicals... 49 hours

30 hours course and final exam of Clinical Microbiology is organized and carried by the Department of Medical Microbiology and Parasitology simultaneously with the course of Infectology.

COMPETENCES TO BE ACQUIRED

Theoretical knowledge and practical skills in terms of clinical features, epidemiology, diagnosis and differential diagnosis, treatment and prevention of the most common infectious diseases, indications for their hospital treatment, an understanding of the basic principles of antimicrobial treatment and basic principles of preventing infections.

CONTENT

Basic concepts of general infectology, the most common infectious diseases and syndromes, principles of diagnostics of infectious diseases, rational antimicrobial therapy and prophylaxis of communicable and non-communicable infectious diseases, infections of immunocompromised host.

TEACHING UNITS:

Lectures:

- L1. Introduction to Infectious Diseases, the general principles of infectious diseases, immunoprophylaxis
- L2. Anti-infective therapy
- L3. The febrile patient. Fever of unknown origin.
- L4. Sepsis syndrome. Neonatal sepsis.
- L5. Cardiovascular infections
- L6. Pulmonary infections
- L7. Ear, nose and throat infections

- L8: Bacterial infections of the central nervous system (purulent meningitis, abscess, spondylodiscitis)
L9: Viral infection of the central nervous system (aseptic meningitis, encephalitis, [polio]myelitis)
L10. Acute and chronic Infectious diarrheal diseases, *helicobacter pylori*.

Seminars:

- S1. Viral hepatitis
- S2. Hepatobiliary and peritoneal infection
- S3. Urinary tract infections and sexually transmitted diseases
- S4. Infections of the skin and soft tissues. Tetanus.
- S5. Parasite infections
- S6. Zoonoses
- S7. Bioterrorism. Botulism.
- S8. Serious viral infections of adults.
- S9. Infections of the immunocompromised host
- S10. HIV-infection
- S11. Infectious rashes of childhood and mumps
- S12. Croup, Pertussis syndrome, Bronchiolitis
- S13. Congenital infection and infection of newborns

OBLIGATORY LITERATURE:

1. Southwick F. **Infectious diseases: a clinical short course**. 3rd (McGraw-Hill 2014) or 2nd (McGraw-Hill 2008) edition.

At the beginning of the course students will receive reprints of the chapters that follow:

2. Marc dante C, Kliegman RM, and Behrman RE. **Nelson essentials of pediatrics**. 6th edition. Elsevier Saunders 2010. Reprints of chapters:
 - 65 Sepsis and meningitis (pp227-229)
 - 66 Congenital infections (pp229-233)
 - 94 Immunisation and prophylaxis (pp317-323)
 - 97 Infections characterised by fever and rash (pp329-335)
 - 107 Croup (laringotracheobronhitis)(pp354-356)
 - 108 Pertussis syndrome (pp356-357)
 - 109 Bronchiolitis(pp357-358)
3. Kliegman RM, Stanton BF, Schor NF, St. Gemme III JW, Berham RE. **Nelsons textbook of pediatrics**. 19th edition. Elsevier Saunders 2011. reprints of chapters:
 - 202 Botulism (p987-991)(PDF p1837-1842)
 - 240 Mumps (p1078-1081)(PDF p2033-2036)
 - 241 Polioviruses(p1081-1088)(PDFp2038-2045)

Supplement reading:

1. Mandell GL, Bennett JE, and Dolin R. **Mandell, Douglas and Bennett's principles and practices of infectious diseases**. 7th edition. Churchill Livingstone 2010.

STUDENT'S OBLIGATIONS

All exercises and seminars are obliged. The absences of the practicles must be compensated. The absence of the seminar must be compensated by oral colloquium 7 days before exam. The absence of a maximum of two lectures is allowed, more absences should be compensated by oral colloquium 7 days before exam. A student who misses more than 20% of subjects must repeat the teaching year.

EXAM

For Infectology course attendance and exam following courses and exams are required:

1. Microbiology and parasitology
2. Pathology
3. Patophysiology
4. Pharmacology
5. Clinical propedeutics

The exam consists of two parts, written and oral exam. Written exam contains 100 questions. For each question 4-5 answers are offered and only one answer should be marked as correct. For completing written exam 90 minutes is available.

Correct answers on written exam are assessed as follows:

- 0-59 ponits insufficient (1)
- 60-69 ponits sufficient (2)
- 70-79 ponits good (3)
- 80-89 ponits very good (4)
- 90-100 ponits excelent (5)

After passing the written exam, student can complete it with the oral exam. Oral exam may be performed immediately at same term with a written exam or separately in any following examination terms. Oral exam consists of practical (patient case) and theoretical part (5 questions from 5 different areas of infectology)