

Course description

Part 1

General information about the course		
1. Major of study: medicine	2. Study level: unified MSc	
	3. Form of study: intramural	
4. Year: 2020	5. Semester: I i II	
6. Course name: infectious diseases, Electives		
7. Course status: required		
8. Course contents and assigned learning outcomes: Students will learn how to diagnose and treat most common infectious diseases. Students will be able to perform clinical assessment of patients with jaundice , viral hepatitis, neuroinfections and HIV infection. They will also be trained to procedure with patients with decompensated liver cirrhosis. Some invasive procedures like liver biopsy, lumbar puncture and paracentesis will be presented.		
Learning outcomes / reference to learning outcomes indicated in the standards Students will learn according to standards. For knowledge – student knows and understands: Students will know and understand the basic knowledge of infectious disease For skills student can perform examination of patients with infectious disease and conduct diagnostic and therapeutic planning according to standards. For social competencies student is ready to deal with patients with infectios diseases, especially HIV infected		
9. Number of hours for the course		30
10. Number of ECTS points for the course		1,5
11. Methods of verification and evaluation of learning outcomes		
Learning outcomes	Methods of verification	Methods of evaluation*
Knowledge	Written evaluation – open questions Grade credit – MCQ	*test
Skills	Report Observation Practical exam	*practical evaluation
Competencies	Observation	*practical evaluation

* The following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unstatisfactory (2,0) – the assumed learning outcomes have not been achieved

Course description

Part 2

Other useful information about the course		
12. Name of Department, mailing address, e-mail: Szpital Specjalistyczny w Chorzowie, ul. Zjdenoczenia 10. Oddział Zakaźny Kliniczny.		
13. Name of the course coordinator: dr hab. n. med. Włodzimierz Mazur		
14. Prerequisites for knowledge, skills and other competencies: bacics of medicine, especially internal.		
15. Number of students in groups	In accordance with the Senate Resolution	
16. Study materials	NA	
17. Location of classes	Clinical Department of Infectious Disease in Specialistic Hospital in Chorzów, ul. Zjednoczenia 10	
18. Location and time for contact hours	Clinical Department of Infectious Disease in Specialistic Hospital in Chorzów, ul. Zjednoczenia 10 Scheduled individually	
19. Learning outcomes		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards
P_W01 / C_K01	Student knows the epidemiology ,mode of transmission and social aspects of most relevant infectious diseases	E.W1
P_W07 / C_K07	Student knows the etiology, pathophysiology, clinical course, diagnostic procedures and therapeutic aspects of most relevant infectious diseases.	E.W34
P_W32 / C_K32	Students knows clinical, trerapeutical and prevention aspects in viral, bacterial , fungal infectious diseases, especially sepsis, viral hepatitis, HIV infection and nosocomial infections.	E.W34
P_W37 / C_K37	Student knows the techniques of acquiring biological materials for laboratory analysis in infectious diseases.	E.U.29
P_W38 / C_K38	Student knows the theoretical and practical aspects of laboratory and imaging diagnostic tests used in diagnosis procedures of infectious diseases.	E.W40
P_U01 / C_S01	Student takes medical history assessing epidemiological and clinical aspects of infectious diseases.	E.W1
P_U01 / C_S02	Student performs physical examination of patient in general aspects as well as in infectious diseases oriented directions.	E.W34
P_U12 /	Student has the skill of performing differential diagnosis of	E.W34

C_S12	different diseases , including infectious ones.	
P_U16 / C_S16	Student makes a plan of performing algorithm of diagnostic,therapeutic and profilactic management in some most relevant infectious diseases.	E.W34
P_U20 / C_S20	Student has a skill do perform assesement of the patients with infectious disease for hospitalization or out-patient treatment.	E.U.20
P_U24 / C_S24	Student conduct interpretation of results of laboratory tests with infectious disease bacground and rocognize the reasons of abnormalities .	E.W40
P_U30 / C_S30	Student assists with some clinical procedures : a) paracentesis b) liver core biopsy c) lumbar puncture d) acquiring biological material for microbiological culture	E.U.30
P_U38 / C_S38	Student has the skill to professionally conduct medical records and correctly ordering laboratory and imaging tests.	E.W40
20. Forms and topics of classes		Number of hours
21.1. Lectures		10
Diagnosis and treatment of patients with viral hepatitis.		2
Management of the patients with liver cirrhosis due to infectious etiology.		1
Recent advances in diagnosis and treatment of neuroinfections and HIV infection		2
Fever of unknown ororigin. Bacteriemia and sepsis. Nosocomial infection including.		1
Nosocomial infection including Clostrodioides		1
Travel medicine basics focused especially on malaria.		1
Emerging and reemerging diseases including 2019 CoV infection (COVID)		1
Bioterrorism		1
22.2. Seminars		10
Viral Hepatitis (HAV, HBV, HCV).		2
HIV infection. AIDS - opportunistic infections. Post- and preexposure prophylaxis.		2
Viral and bacterial infections (pulmonary- including seasonal flu and coronavirus infections, , CNS infections , alimentary tract, sexual transmitted diseases, boreliosis)		2
Nosocomial infections including infections including Clostridioides. Methods of prevention		2
Vaccination management		2

23.3. Labs	10
Differential diagnosis of icterus.	2
Liver diseases diagnostic procedures	2
HIV oportunistic infections- differential diagnosis	1
Assist for Invasive procedures (lumbar puncture, liver core biopsy).	2
Alimentary tract infections. Most common parasitic infections.	2
Imaging techniques in infections diseases (ultrasound, CT, NMR)	1./
24. Readings	
Mandell, Douglas and Bennett's Infectious Disease Essentials (2017) 1st Edition BRS Microbiology and Immunology 5th ed Kaplan Immunology and Microbiology 2013 Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases 8th Edition	
25. Detail evaluation criteria	
In accordance with the recommendations of the inspection bodies Completion of the course – student has achieved the assumed learning outcomes Detail criteria for completion and evaluation of the course are specified in the course regulations	
<i>(objectives of the course, preferably expressed in terms of learning outcomes and competences)</i> Ability of interpretation data from medical history, physical examination and laboratory tests, especially microbiological test, in order to proper clinical evaluation of basic infectious diseases cases. Presentation of medical cases available in the clinic and medical procedures like: lumbar puncture and liver biopsy. <i>(course contents)</i> Fever. Fever of unknown origin (FUO). Bacteremia and sepsis. HIV/AIDS – epidemiology, diagnosis and definitions. Management of a patient with HIV/AIDS. Progress in therapy of HIV patients. Acute viral hepatitis – etiology, epidemiology, clinical picture, treatment. Chronic viral hepatitis – etiology, epidemiology, clinical picture, treatment. Neuroinfections – meningitis, encephalitis – causative agents, clinical picture, treatment. Lyme disease – etiology, epidemiology, clinical picture, treatment. Exanthematous infectious diseases (measles, rubella, erythema infectiosum, exanthema subitum, Kawasaki disease). Herpesvirus infections. Infectious mononucleosis and mononucleosis-like syndromes – Clinical evaluation of patients with liver diseases. Chronic viral hepatitis – etiology, epidemiology, clinical picture, treatment. Cirrhosis of the liver and complications (ascites, encephalopathy, portal hypertension)– clinical picture, diagnosis, treatment.	