

International School of Medicine / Medicine (English)
2023 - 2024 Academic Year
INFECTIOUS DISEASES and CLINICAL MICROBIOLOGY
Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
INFECTIOUS DISEASES and CLINICAL MICROBIOLOGY	ISM5012352	Yearly	62+40	0	6
Prerequisites Courses					
Recommended Elective Courses	Elective Antimicrobial Resistance Clerkship				
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Practice				
Course Coordinator	Prof.Dr. Mesut YILMAZ				
Name of Lecturer(s)	Prof.Dr. Mesut YILMAZ, Prof.Dr. Bahadır CEYLAN, Assist.Prof. Selda AYDIN, Prof.Dr. Recep ÖZTÜRK, Assist.Prof. Ezgi YILMAZ				
Assistant(s)	Prof. Dr. Mesut YILMAZ;Prof. Dr. Bahadır CEYLAN;Dr. Naim Mahroum;Dr. Öğr. Gör. Selda AYDIN;Dr. Öğr. Gör. Ezgi YILMAZ;Dr. Öğr. Gör. Meyha ŞAHİN				
Aim	The aim of the Infectious Diseases and Clinical Microbiology clerkship is to give 5th-year medical students an idea about how to diagnose most frequent community-acquired infections and treat them as outpatients. As primary care physicians they should be able to provide preventive measures for infectious diseases when required and transfer the patient to a tertiary care facility. Another aim is to train physicians who are able to manage emergency infectious cases.				
Course Content	This course contains; Microbiology Update,Prudent Laboratory Practices in Infectious Diseases,Differential Diagnosis in Infectious Diseases,Approach to the acute fever patient with community acquired infection,Antimicrobial stewardship in community-acquired infections,Prevention and control of community-acquired infections,Disinfection, antisepsis and sterilization in daily practice,Differential diagnosis and treatment principles of Infectious disease emergencies,Fever of unknown origin,HIV – AIDS,Principles of Central Nervous System Infections,Sepsis and septic shock,Approach to the patient with diarrhea,New and emerging infectious diseases,Extrapulmonary TB,Rabies: Clinical features, diagnosis and prevention,Sexually Transmitted Diseases: diagnosis, treatment, prevention,Adult immunization: vaccination and immunoprophylaxis,Urinary Tract Infections,Traveller's health and related infections,Tetanus: clinical features, treatment and prevention,Skin and soft tissue infections and diabetic foot,Cellulitis,Antimicrobial agents used in community-acquired infections,Bone and joint infections,Zoonotic infections,Tick borne Infections: CCHF, Tick encephalitis, Lyme Disease,Upper respiratory Tract Infections: Influenza, mononucleosis syndrome, common cold,Immigration and infection,Clinically important parasitic infections,Acute viral hepatitis,Prevention and control of healthcare related infections,Intraabdominal infections.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
Skill - Understand, design, implement and follow the principles of chemoprophylaxis and immunization in adults.			10, 12, 16, 4, 5, 9	A	
Skill - Applies the requirements for the prevention and control of community-acquired and primary care-associated infections.			10, 12, 16, 4, 5, 9	A	
Knowledge - Counts the infectious diseases that are important for the country and the region.			10, 12, 16, 4, 5, 9	A	
Attitude - Practice evidence-based medicine and continuously update their knowledge.			10, 12, 16, 4, 5, 9	A	
Bilgi - Ülke ve bölge için önemli olan enfeksiyon hastalıklarını sayar.			10, 12, 16, 4, 5, 9	A	
Knowledge - Diagnoses community-acquired infectious diseases that are important for the country and the region, applies treatment within the framework of evidence-based medicine; follows emergency processes, recognizes and refers complicated cases.			10, 12, 16, 4, 5, 9	A	
Knowledge - Requests and interprets the diagnostic methods used in the diagnosis of community-acquired infectious diseases rationally.			10, 12, 16, 4, 5, 9	A	
Knowledge - Makes the preliminary diagnosis of community-acquired infectious diseases, healthcare-associated infections, special host and foreign body infections that cannot be followed up in primary care and makes the necessary referral procedures.			10, 12, 16, 4, 5, 9	A	
Attitude - Communicates ethically with patients, relatives, colleagues and other health professionals.			10, 12, 16, 4, 5, 9	A	
Knowledge - Recognizes and notifies the notifiable diseases at a level that can be notified at the primary care level; follows and applies the necessary health legislation in primary care.			10, 12, 16, 4, 5, 9	A	
Knowledge - Recognizes epidemics or emerging diseases in the society; designs and establishes the necessary relationships on the subject, makes preliminary investigations.			10, 12, 16, 4, 5, 9	A	
Knowledge - Applies the principles of rational antimicrobial use; lists resistance status, side effects of antimicrobials, drug interactions.			10, 12, 16, 4, 5, 9	A	
Teaching Methods	10: Discussion Method, 12: Problem Solving Method, 16: Question - Answer Technique, 4: Inquiry-Based Learning, 5: Cooperative Learning, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Microbiology Update				
2	Prudent Laboratory Practices in Infectious Diseases				
3	Differential Diagnosis in Infectious Diseases				
4	Approach to the acute fever patient with community acquired infection				
5	Antimicrobial stewardship in community-acquired infections				
6	Prevention and control of community-acquired infections				
7	Disinfection, antisepsis and sterilization in daily practice				
8	Differential diagnosis and treatment principles of Infectious disease emergencies				
9	Fever of unknown origin				
10	HIV – AIDS				
11	Principles of Central Nervous System Infections				
12	Sepsis and septic shock				
13	Approach to the patient with diarrhea				
14	New and emerging infectious diseases				
15	Extrapulmonary TB				

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Lecture Schedule		
Sequenc e	Topics	Preliminary Preparation
16	Rabies: Clinical features, diagnosis and prevention	
17	Sexually Transmitted Diseases: diagnosis, treatment, prevention	
18	Adult immunization: vaccination and immunoprophylaxis	
19	Urinary Tract Infections	
20	Traveller's health and related infections	
21	Tetanus: clinical features, treatment and prevention	
22	Skin and soft tissue infections and diabetic foot	
23	Cellulitis	
24	Antimicrobial agents used in community-acquired infections	
25	Bone and joint infections	
26	Zoonotic infections	
27	Tick borne Infections: CCHF, Tick encephalitis, Lyme Disease	
28	Upper respiratory Tract Infections: Influenza, mononucleosis syndrome, common cold	
29	Immigration and infection	
30	Clinically important parasitic infections	
31	Acute viral hepatitis	
32	Prevention and control of healthcare related infections	
33	Intraabdominal infections	
Evaluation Methods		Weight(%)
Midterm Exam		40
(General Exam) Multiple Choice Test		40
(General Exam) Visual Open labelled exam		30
(General Exam) CORE		20
(General Exam) Performance in Case Based Learning		10
General Exam		60

Resources
1.Enfeksiyon Hastalıkları. Halil Kurt, Sibel Gündes, Mehmet Faruk Geyik (Editörler); Nobel Tıp Kitabevleri. 2.Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases. John E. Bennett, Raphael Dolin, Martin J. Blaser (Editors); Elsevier Saunders. 3.Enfeksiyon Hastalıkları El Kitabı. Fehmi Tabak (Editör); İstanbul Medikal Yayıncılık. 4.UpToDate (http://www.uptodate.com). 5.OSMOSIS 6.Öğretim Üyelerinin Ders Notları. MEBİS 7. https://www.msmanuals.com/professional#en 8.AMBOSS 9.Ulusal Çekirdek Eğitim Programı-2020