

International School of Medicine / Medicine (English)

2023 - 2024 Academic Year

INFECTIOUS DISEASES

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
INFECTIOUS DISEASES	ISM3014685	Yearly	46+0	0	3
Prerequisites Courses					
Recommended Elective Courses					
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Committee Course				
Course Coordinator	Prof.Dr. Mesut YILMAZ				
Name of Lecturer(s)	Prof.Dr. Mesut YILMAZ				
Assistant(s)	Prof.Dr. Mesut Yilmaz				
Aim	The aim of this course is to teach etiology, pathogenesis, epidemiology, clinical forms and diagnosis of infectious diseases of all organ systems.				
Course Content	This course contains; Introduction to infectious diseases: Definitions and Terminology,Transmission methods in infectious diseases,Pathogenesis of infectious diseases,Prevention and control of community-acquired infectious diseases,Prevention and control of hospital-acquired infectious diseases,History and physical examination in infectious diseases,Symptomatic approach in infectious diseases,Approach to patient with fever and rash,Principles of Adult vaccination,Principles of antimicrobial use,Pathogenesis of fever and fever types,Transfusion Related Infectious Diseases,Introduction to infections of the immunocompromised host,Introduction to sepsis,Introduction to Upper Respiratory Tract Infections in adults,Etiology and pathogenesis of Infective Endocarditis,Systemic Infections (Brucellosis, Salmonellosis, Leptospirosis, Malaria),Approach to the patient with acute infectious diarrhea,Approach to the patient with acute hepatitis,Approach to the patient with Urinary Tract Infection,Sexually Transmitted Infections: Presentation, Diagnosis, Prevention,Approach to the patient with CNS Infections (Acute & Chronic Meningitis),CNS Infections (Encephalitis & Brain abscess),Approach to the patient with bone and joint infections,Approach to the patient with skin and soft tissue infections.				
Course Learning Outcomes			Teaching Methods	Assessment Methods	
1.1. Express the basic concepts of infectious diseases			16, 9	A	
1.2. List clinical types of fever and its pathogenesis.			16, 9	A	
2.1. Define differential diagnostic criteria of infectious diseases.			16, 9	A	
2.2. List principles of clinical use of antimicrobials			16, 9	A	
2.3. Define the concept and prevention strategies of nosocomial infections.			16, 9	A	
2.4. Explain vaccination schemes in adults and special groups.			16, 9	A	
3. List infections of the cardiovascular and respiratory systems.			16, 9	A	
3.1. Define pathogenesis and findings of infective endocarditis.			16, 9	A	
3.2. Define and distinguish respiratory tract infections in adults.			16, 9	A	
3.3. Compare sepsis and septic shock diagnostic criteria.			16, 9	A	
4. List infections of the genitourinary tract infections			16, 9	A	
4.1. Explain clinical forms of food intoxication.			16, 9	A	
4.2. Lists clinical findings of brucellosis and enteric fever, methods of protection.			16, 9	A	
4.3. Knows approach to adults with infectious diarrhea and distinguish the groups to be treated with antibiotics.			16, 9	A	
4.4. Tell acute and chronic viral hepatitis and interpret various serologic statuses.			16, 9	A	
5. List infections of the genitourinary system.			16, 9	A	
5.1. Define sexually transmitted diseases and their etiologies.			16, 9	A	
5.2. Describe urinary tract infections and treatment modalities.			16, 9	A	
6. List infections of the central nervous system			16, 9	A	
6.1. Describe clinical findings of rabies and discuss rabies prophylaxis.			16, 9	A	
6.2. Explain basic approach to acute bacterial meningitis and manage patients under primary health care settings.			16, 9	A	
6.3. Explain clinical findings of tetanus and interpret when and whom to give prophylaxis.			16, 9	A	
6.4. Lists frequent pathogens causing viral meningitis.			16, 9	A	
Teaching Methods	16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	A: Traditional Written Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Introduction to infectious diseases: Definitions and Terminology				
2	Transmission methods in infectious diseases				
3	Pathogenesis of infectious diseases				
4	Prevention and control of community-acquired infectious diseases				
5	Prevention and control of hospital-acquired infectious diseases				
6	History and physical examination in infectious diseases				
7	Symptomatic approach in infectious diseases				
8	Approach to patient with fever and rash				
9	Principles of Adult vaccination				
10	Principles of antimicrobial use				
11	Pathogenesis of fever and fever types				
12	Transfusion Related Infectious Diseases				
13	Introduction to infections of the immunocompromised host				
14	Introduction to sepsis				

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Lecture Schedule		
Sequence	Topics	Preliminary Preparation
15	Introduction to Upper Respiratory Tract Infections in adults	
16	Etiology and pathogenesis of Infective Endocarditis	
17	Systemic Infections (Brucellosis, Salmonellosis, Leptospirosis, Malaria)	
18	Approach to the patient with acute infectious diarrhea	
19	Approach to the patient with acute hepatitis	
19	Approach to the patient with acute hepatitis	
20	Approach to the patient with Urinary Tract Infection	
21	Sexually Transmitted Infections: Presentation, Diagnosis, Prevention	
22	Approach to the patient with CNS Infections (Acute & Chronic Meningitis)	
23	CNS Infections (Encephalitis & Brain abscess)	
24	Approach to the patient with bone and joint infections	
25	Approach to the patient with skin and soft tissue infections	
Evaluation Methods		Weight(%)
Midterm Exam		40
General Exam		60

Resources
Slides and presentations of the lecturer 1. Enfeksiyon Hastalıkları. Halil Kurt, Sibel Gündeş, Mehmet Faruk Geyik (Editörler); Nobel Tıp Kitabevleri. 2. İnfeksiyon Hastalıkları ve Mikrobiyolojisi. Ayşe Willke Topçu, Güner Söyletir, Mehmet Doğanay (Editörler); Nobel Tıp Kitabevleri. 3. Medikal Tedavi. İsfendiyar Candan (Editör); ANTİP AŞ Yayınları. 4. Klinik Bilimlere Giriş 4 - İnfeksiyon Hastalıkları. İsfendiyar Candan, Doğanay Alper, Şinasi Yavuzer (Editörler); ANTİP AŞ Yayınları 5. Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases. John E. Bennett, Raphael Dolin, Martin J. Blaser (Editors); Elsevier Saunders. 6. UpToDate (http://www.uptodate.com).