



**T.R.
LOKMAN HEKİM UNIVERSITY
FACULTY OF MEDICINE
PHASE – III
2024 – 2025 ACADEMIC YEAR
EDUCATION AND TEACHING GUIDE**



T.R.

LOKMAN HEKIM UNIVERSITY

FACULTY OF MEDICINE ENGLISH PROGRAMME

PHASE III COURSES and ECTS

CODE	COMPULSORY COURSES	T	P	TS	ECTS
	Neoplasia and Hematopoietic System Diseases Course Board	102	3	105	8
	Circulatory and Respiratory System Diseases Course Board	93	3	96	8
	Gastrointestinal System Diseases Course Board	74	3	77	7
	Endocrine and Urogenital System Diseases Course Board	101	3	104	8
	Central Nervous System Diseases Course Board	99	3	102	8
	Musculoskeletal System Diseases Course Board	55	2	57	5
	Public Health/Forensics/Ethics and Clinical Skills Course Board	99	12	111	8
TOTAL ECTS COMPULSORY		623	29	652	52
CODE	ELECTIVE COURSES	T	P	K	ECTS
	Developing Public Health Intervention Program For Health Literacy	2	0	2	4
	Reproductive Endocrinology	2	0	2	4
	Communication in Health 1 (Yabancı uyruklu öğrenciler)	2	0	2	4
	The Art of Anaesthesia	2	0	2	4
	Molecular Mechanism Of Life	2	0	2	4
	Communication in Health 2 (Yabancı uyruklu öğrenciler)	2	0	2	4
TOTAL ECTS TO BE COLLECTED AS ELECTIVES					8
TOTAL ECTS TO BE COLLECTED IN PHASE III					60



PHASE III OBJECTIVES AND LEARNING OUTCOMES

Aim:

In Phase III medical education, it is aimed to provide introductory courses to clinical sciences together with basic medical courses. In this phase, medicine students will take courses on neoplasia and hematopoietic system diseases, circulatory and respiratory system diseases, gastrointestinal system diseases, endocrine and urogenital system diseases, central nervous system diseases, musculoskeletal system diseases, public health/forensic medicine/ethics and clinical skills. At the end of these course boards, Phase III students will learn the mechanisms, pathology, clinical symptoms, basic approaches in diagnosis and treatment, methods of prevention from diseases that are frequently seen in different systems and cause of mortality and morbidity in society.

Learning Objectives:

At the end of; neoplasia and hematopoietic system diseases, circulatory and respiratory system diseases, gastrointestinal system diseases, endocrine and urogenital system diseases, central nervous system diseases, musculoskeletal system diseases, public health/forensics/ethics and clinical skills course boards, Phase III students will be able to;

1. Learn the pathological processes of common diseases that have a significant impact on human health in terms of mortality and morbidity, establishes the relationship with symptoms and signs.
2. List the most common clinical, laboratory, radiological and pathological findings of common diseases in the community.
3. Describe the pharmacological treatment approach to be applied in different symptoms and diseases.
4. Explains the importance of taking a history in children and adults, the principles of physical examination, and the importance of obtaining consent.
5. Explains the position and importance of biochemical examinations in the diagnosis of diseases seen in various systems.
6. Explains the genetic mechanisms of diseases.
7. Explains the biological principles of scintigraphy.
8. Explains the basic principles of medical imaging.
9. List the factors and signs of common infectious diseases according to the systems.



NEOPLASIA AND HEMATOPOIETIC SYSTEM DISEASES COURSE BOARD PIII – BOARD I

CODE OF THE BOARD COURSES	NAME OF THE BOARD COURSES	THEORETICAL HOURS	PRACTICAL HOURS	SUM OF HOURS
	Exam Feedback Lesson	2	0	2
	Chief Coordinator Feedback Lesson	2	0	2
	Introduction to Course Board Lesson	2	0	2
	Emergency	3	0	3
	Pediatric Health and Diseases	14	0	14
	Infectious Diseases	4	0	4
	Internal Medicine	20	0	20
	Nuclear Medicine	2	0	2
	Radiation Oncology	2	0	2
	Radiology	3	0	3
	Medical Biochemistry	3	0	3
	Medical Pharmacology	23	0	23
	Medical Genetics	9	0	9
	Medical Pathology	13	3	16
	TOTAL	102	3	105

AIMS AND LEARNING OBJECTIVES OF THE COURSE BOARD

Aim:

The aim of this course is to comprehend hematopoietic system development and pathology, tumor formation, development and pathophysiology, mechanisms of formation of neoplasia and hematopoietic system diseases, prevalence and importance in society, diagnostic methods, treatment agents and mechanisms of action. Another aim is to learn the indications for the use of agents used in infectious diseases, mechanisms of action, side effects.

Learning Objectives:

1. Creates a medical history, queries necessary information for diagnosis.
2. Lists the methods of physical examination, explains which examination is appropriate in which situation.
3. Explains the principles of obtaining informed medical consent.
4. Defines the conceptual basic characteristics of benign and malignant tumors.
5. Lists what needs to be done in emergency cases such as frostbite, heatstroke, and poisonings.
6. Classifies genetic diseases and explains which diagnostic methods can be used in which classes.
7. Grasps the mechanisms of hematological diseases and explains treatment approaches.
8. Interprets the indications and complications of blood product transfusion.
9. Lists common hematopoietic system diseases in childhood and adulthood and describes their clinical and laboratory findings.
10. Explains common childhood tumors.
11. Explains the mechanisms of action and usage routes, as well as side effects of drugs used in the treatment of anemia and cancer.
12. Describes all the energies and units used for imaging.
13. Describes details of the ionizing and non-ionizing radiation and protection



14. Explains the imaging methods and basic concepts used in hematological diseases and oncology.
15. Explains the place and advantages of nuclear medicine imaging methods in diagnostic imaging.
16. Explains the nuclear medicine imaging methods used in hematology and oncology.
17. Defines lymphoproliferative and myeloproliferative diseases, and explains diagnosis, differential diagnosis, and treatment approaches.
18. Lists the usage indications and side effects of drugs used in infectious diseases.
19. Explains the mechanisms of action of antimicrobial drugs.

TOPICS

EMERGENCY			
Topic	Type	Time	Lecturer
Alcohol consumption and emergencies	Theoretical	1	Dr. Öğr. Üyesi Aslı Türkmen Demir
Corrosive substance exposure	Theoretical	1	Uzm. Dr. Ahmet Akdoğan
Trauma and injuries	Theoretical	1	Dr. Öğr. Üyesi Aslı Türkmen Demir
PEDIATRIC HEALTH AND DISEASES			
Topic	Type	Time	Lecturer
Hematological System Symptomatology in Children	Theoretical	1	Doç. Dr. Özlem N. Şahin
Classification and Morphology of Anemias	Theoretical	2	Doç. Dr. Özlem N. Şahin
Iron Metabolism and Iron Deficiency	Theoretical	1	Doç. Dr. Özlem N. Şahin
Childhood Leukemias	Theoretical	1	Doç. Dr. Özlem N. Şahin
Physiopathology of Homeostasis and Bleeding Diathesis	Theoretical	2	Doç. Dr. Özlem N. Şahin
Congenital Aplastic Anemias	Theoretical	1	Doç. Dr. Özlem N. Şahin
Erythrocyte Membrane Defects	Theoretical	1	Doç. Dr. Özlem N. Şahin
Erythrocyte Enzyme Defects	Theoretical	1	Doç. Dr. Özlem N. Şahin
Hemoglobinopathies	Theoretical	2	Doç. Dr. Özlem N. Şahin
Major Histocompatibility System and its Clinical Significance	Theoretical	1	Doç. Dr. Özlem N. Şahin
Complement System and its Clinical Significance	Theoretical	1	Doç. Dr. Özlem N. Şahin
INFECTIOUS DISEASES			
Topic	Type	Time	Lecturer
Introduction to Infectious Diseases	Theoretical	1	Prof. Dr. Mehmet Doğanay
Viral haemorrhagic fevers	Theoretical	1	Prof. Dr. Mehmet Doğanay
Protozoal infections of blood: Malaria and Babesiosis	Theoretical	1	Dr. Öğr. Üyesi. Safiye Göçer
Protozoer infections of tissues: toxoplasmosis, Leishmaniasis, tripanosomiasis	Theoretical	1	Dr. Öğr. Üyesi. Safiye Göçer
INTERNAL MEDICINE			
Topic	Type	Time	Lecturer
Anamnesis, physical examination and laboratory practice in hematology	Theoretical	2	Uzm. Dr. Naziyet KÖSE
Introduction to anemias and hemoglobinopathies	Theoretical	2	Uzm. Dr. Naziyet KÖSE



Bleeding disorders	Theoretical	2	Doç. Dr. Irem BİLGETEKİN
Leukemias, lymphoproliferative and myeloproliferative diseases	Theoretical	2	Doç. Dr. Irem BİLGETEKİN
Other hematological diseases (aplastic anemia, hemochromatosis, polycythemia, diffused intravenous clotting)	Theoretical	2	Doç. Dr. Irem BİLGETEKİN
Complications of blood and blood products transfusion	Theoretical	1	Uzm. Dr. Naziyet KÖSE
Taking medical history	Theoretical	2	Doç. Dr. Fisun SÖZEN
Clinical examination	Theoretical	2	Doç. Dr. Fisun SÖZEN
Taking consent	Theoretical	1	Doç. Dr. Fisun SÖZEN
Weakness/fatigue/weight loss	Theoretical	1	Uzm. Dr. Naziyet KÖSE
Fever and sweating	Theoretical	1	Uzm. Dr. Naziyet KÖSE
Introduction to oncological diseases	Theoretical	2	Uzm. Dr. Naziyet KÖSE
NUCLEAR MEDICINE			
Topic	Type	Time	Lecturer
Biological principles of radiopharmaceuticals and scintigraphy	Theoretical	1	Doç. Dr. Serdar Savaş Gül
Nuclear medicine in hematology and oncology	Theoretical	1	Doç. Dr. Serdar Savaş Gül
RADIATION ONCOLOGY			
Topic	Type	Time	Lecturer
Basic concepts in radiation oncology	Theoretical	2	Doç. Dr. Serdar Savaş Gül
RADIOLOGY			
Topic	Type	Time	Lecturer
Introduction to Radiology and Imaging sciences – Introduction to the energies used for imaging, basics of imaging	Theoretical	1	Prof. Dr. Turgut Talı
Ionising and non-ionising radiation and protection	Theoretical	1	Prof. Dr. Turgut Talı
Bone marrow imaging, Fundamentals of the imaging of oncologic and hematologic diseases	Theoretical	1	Prof. Dr. Turgut Talı
MEDICAL BIOCHEMISTRY			
Topic	Type	Time	Lecturer
Tumor markers and cancer biochemistry	Theoretical	1	Prof. Dr. Metin Yıldırım kaya
Complete blood count (CBC)	Theoretical	1	Prof. Dr. Metin Yıldırım kaya
Porphyrias	Theoretical	1	Prof. Dr. Metin Yıldırım kaya
MEDICAL PHARMACOLOGY			
Topic	Type	Time	Lecturer
Basic principles of antibiotics use	Theoretical	1	Prof. Dr. Müge Tecder
Beta-lactam antibiotics: penicillins, cephalosporins and others	Theoretical	4	Prof. Dr. Müge Tecder
Aminoglycosides	Theoretical	1	Prof. Dr. Müge Tecder
Macrolide, glycosamide and streptogramin antibiotics and linezolid	Theoretical	1	Prof. Dr. Müge Tecder
Tetracyclines and amphenicols	Theoretical	1	Prof. Dr. Müge Tecder
Narrow-spectrum antistaphylococcal and anti-anaerobic drugs and antibiotics with polypeptide structure	Theoretical	1	Prof. Dr. Müge Tecder

Fluoroquinolones, sulphonamides, co-trimoxazole and trimethoprim	Theoretical	1	Prof. Dr. Müge Tecder
Drugs used to treat leprosy, syphilis and tuberculosis	Theoretical	1	Prof. Dr. Müge Tecder
Antifungal drugs	Theoretical	1	Prof. Dr. Müge Tecder
Antiviral drugs	Theoretical	2	Prof. Dr. Müge Tecder
Antiamoebic and antiprotozoal drugs	Theoretical	1	Prof. Dr. Müge Tecder
Antimalarial drugs	Theoretical	1	Prof. Dr. Müge Tecder
Pharmacological principles of cancer treatment	Theoretical	1	Prof. Dr. Müge Tecder
Drugs used in cancer treatment	Theoretical	3	Prof. Dr. Müge Tecder
Immunomodulatory drugs	Theoretical	1	Prof. Dr. Müge Tecder
Drugs used to treat anemia	Theoretical	2	Prof. Dr. Müge Tecder

MEDICAL GENETICS

Topic	Type	Time	
Differential diagnosis with inheritance patterns and family tree - consanguineous marriage	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Basic genetic concepts	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Genetic laboratory techniques – classification in genetic diseases	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Diagnostic approach in thalassemias	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Diagnostic approach in rare and undiagnosed diseases	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Genetic Hematological Blood Diseases	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Genetic Approach and Mechanisms in Leukemia and Lymphomas	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Cancer genetics (diagnosis – treatment and determination of prognosis)	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Familial cancers	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner

MEDICAL PATHOLOGY

Topic	Type	Time	Lecturer
Principles of Neoplasia I: Benign and malign, diagnosing tumor	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Principles of Neoplasia II: Etiology, carcinogenesis, invasion and metastasis	Theoretical	3	Prof. Dr. Berrak Gümüşkaya Öcal
Principles of Neoplasia III: Prognosis, grading, nomenclature and advanced techniques	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Diseases of Eritocytes, Thymus and Spleen	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal
White cell disorders	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal
Pathology of Lymphocytes	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal
Medical Pathology Practice: Neoplasia and Hematopoietic System Diseases	Practical	3	Dr. Öğr. Üyesi Fatma Yıldırım



CIRCULATORY and RESPIRATORY SYSTEM DISEASES COURSE BOARD PIII – BOARD II

CODE OF THE BOARD COURSES	NAME OF THE BOARD COURSES	THEORETICAL HOURS	PRACTICAL HOURS	SUM OF HOURS
	Exam Feedback Lesson	2	0	2
	Chief Coordinator Feedback Lesson	2	0	2
	Introduction to Course Board Lesson	2	0	2
	Anesthesiology and Reanimation	2	0	2
	Biophysics	2	0	2
	Pediatric Health and Diseases	5	0	5
	Infectious Diseases	2	0	2
	Chest Diseases	9	0	9
	Cardiovascular Surgery	4	0	4
	Cardiology	10	0	10
	Ear Nose Throat Diseases	3	0	3
	Nuclear Medicine	2	0	2
	Radiology	3	0	3
	Medical Pharmacology	26	0	26
	Medical Genetics	5	0	5
	Medical Pathology	14	3	17
	TOTAL	93	3	96

AIMS AND LEARNING OBJECTIVES OF THE COURSE BOARD

Aim:

The aim of this course is to increase the knowledge of the prevalence of respiratory and circulatory system diseases in the society, their importance, formation mechanisms, diagnostic methods, treatment agents and mechanisms of action.

Learning Objectives:

1. Grasps the prevalence and importance of respiratory and circulatory system diseases.
2. Lists the infectious agents causing respiratory system infections.
3. Understands the physiopathology and symptomatology of upper and lower respiratory tract diseases.
4. Describes the symptomatology of upper respiratory tract problems such as hoarseness, nasal congestion, and obstruction.
5. Explains the physiopathology and symptomatology of ear pain and discharge.
6. Classifies larynx-pharynx diseases and lymphoid tissue pathologies.
7. Explains the pharmacology of the autonomic nervous system.
8. Lists the names, effects, mechanisms of action, indications, and contraindications of sympathomimetic, sympatholytic, parasympathomimetic, and parasympatholytic drugs.
9. Lists the steps to be followed during the respiratory and circulatory system examination and approach to the patient.
10. Explains the physiopathology of infectious lung diseases and circulatory disorders.



11. Lists obstructive lung diseases, tuberculosis, and lung tumors.
12. Explains the pathology of mediastinal diseases and outlines the radiological evaluation criteria.
13. Defines normal heart sounds, cyanosis, and murmurs and evaluates their clinical significance.
14. Describes and distinguishes between fetal and neonatal circulation.
15. Clinically defines and differentiates cardiac pathologies and problems in adults and children and makes differential diagnoses.
16. Describes the physiopathology, clinical findings, and radiology of heart valve diseases.
17. Understands the physiopathology of heart failure and defines its symptoms.
18. Lists the importance, diagnosis, complications, treatment options, and prevention methods of hypertension.
19. Explains the etiopathogenesis, diagnosis, and treatment of vascular diseases.
20. Describes the pharmacokinetics, pharmacodynamics, effects, indications, contraindications, adverse effects, and drug interactions of medications effective in circulatory and respiratory system diseases.
21. Grasps the physiopathology and symptomatology of coronary circulation and coronary artery diseases.
22. Defines and understands the biochemical tests used in the diagnosis and monitoring of heart diseases.
23. Describes and lists the steps of cardiopulmonary resuscitation.
24. Describes imaging methods used in diagnosis of the head and neck diseases and basic imaging findings of them.
25. Describes the pathology of mediastinal diseases.
26. Describes imaging methods used in diagnosis of the cardiac and mediastinal diseases and basic imaging findings of them.
27. Describes evaluation criteria of the chest x-rays.
28. Describes imaging methods used in diagnosis of the respiratory diseases and basic imaging findings of them.
29. Explains basic radiological approaches in head and neck diseases, basic information about radiological images of diseases, radiological anatomy.
30. Explains basic radiological approaches in cardiovascular system diseases, basic information about radiological images of diseases, radiological anatomy.
31. Explains basic radiological approaches in respiratory system diseases, basic information about radiological images of diseases, radiological anatomy.

TOPICS

ANESTHESIOLOGY AND REANIMATION			
Topic	Type	Time	Lecturer
Cardiopulmonary resuscitation	Theoretical	1	Dr. Öğr. Üyesi Ömer Zühtü Yöndem
Complications of Anesthesia	Theoretical	1	Prof. Dr. Ülkü Aypar
BIOPHYSICS			
Topic	Type	Time	Lecturer
The electrical basis of cardiovascular disorders	Theoretical	1	Prof. Dr. Belma Turan
The molecular basis of cardiovascular disorders	Theoretical	1	Prof. Dr. Belma Turan
PEDIATRIC HEALTH AND DISEASES			
Topic	Type	Time	Lecturer
Assessment of the Cardiovascular System in Children	Theoretical	1	Uzm. Dr. Kutay Sel



Symptomatology of the Circulatory and Respiratory Systems in Children	Theoretical	1	Uzm. Dr. Kutay Sel
Congenital Heart Diseases (Acyanotic - Cyanotic) in Children	Theoretical	2	Uzm. Dr. Kutay Sel
Acute Rheumatic Fever in Children	Theoretical	1	Uzm. Dr. Kutay Sel
INFECTIOUS DISEASES			
Topic	Type	Time	Lecturer
Extrapulmonary tuberculosis	Theoretical	1	Prof. Dr. Mehmet Doğanay
Diphtheria, Pertussis, Mumps	Theoretical	1	Prof. Dr. Mehmet Doğanay
CHEST DISEASES			
Topic	Type	Time	Lecturer
Anatomy, physiology and defence mechanisms of the respiratory system	Theoretical	1	Prof. Dr. Adile Berna Dursun
Symptoms of the Respiratory System (Dyspnea, cyanosis, Clubbng, hemoptysis, Wheezing, cough, sputum production, stridor, snoring, apnea)	Theoretical	2	Prof. Dr. Adile Berna Dursun
The Physical Examination of the Respiratory System	Theoretical	1	Prof. Dr. Adile Berna Dursun
Pneumonia	Theoretical	1	Prof. Dr. Adile Berna Dursun
Pulmonary Tuberculosis	Theoretical	1	Prof. Dr. Adile Berna Dursun
Lung Edema/ Respiratory Failure	Theoretical	1	Prof. Dr. Adile Berna Dursun
The Environmental and Occupational Lung Diseases and Tobacco	Theoretical	1	Prof. Dr. Adile Berna Dursun
Allergic diseases and Anaphylaxis	Theoretical	1	Prof. Dr. Adile Berna Dursun
CARDIOVASCULAR SURGERY			
Topic	Type	Time	Lecturer
Clinical anatomy of the cardiovascular system	Theoretical	1	Prof. Dr. İrfan Taşoğlu
Coronary artery diseases and surgery	Theoretical	1	Prof. Dr. İrfan Taşoğlu
Heart valve diseases and surgery	Theoretical	1	Prof. Dr. İrfan Taşoğlu
Congenital heart disease surgery	Theoretical	1	Prof. Dr. İrfan Taşoğlu
CARDIOLOGY			
Topic	Type	Time	Lecturer
Working physiology of the heart	Theoretical	1	Dr. Öğr. Üyesi İlke Çelikkale
Symptomatology in heart diseases (palpitations, hypotension, hypertension, murmur in the heart, syncope, cyanosis, chest pain)	Theoretical	1	Dr. Öğr. Üyesi İlke Çelikkale
Examination of the cardiovascular system	Theoretical	1	Dr. Öğr. Üyesi İlke Çelikkale
Approach to Hypertension	Theoretical	2	Prof. Dr. Sercan Okutucu
Acute Coronary Syndromes	Theoretical	1	Prof. Dr. Sercan Okutucu
Chronic Coronary Artery Disease	Theoretical	1	Prof. Dr. Sercan Okutucu
Approach to Heart Failure	Theoretical	1	Dr. Öğr. Üyesi İlke Çelikkale
Electrocardiography (ECG)	Theoretical	2	Prof. Dr. Sercan Okutucu
EAR NOSE AND THROAT DISEASES			
Topic	Type	Time	Lecturer
Fundamentals of ENT Examination and Approach to the Patient	Theoretical	1	Prof. Dr. Engin Dursun



ENT Related Symptoms in Upper Respiratory Tract Diseases	Theoretical	2	Prof. Dr. Celil Göçer
NUCLEAR MEDICINE			
Topic	Type	Time	Lecturer
Applications of nuclear medicine in cardiovascular diseases	Theoretical	1	Doç. Dr. Serdar Savaş Gül
Respiratory system scintigraphy	Theoretical	1	Doç. Dr. Serdar Savaş Gül
RADIOLOGY			
Topic	Type	Time	Lecturer
Imaging methods used in diagnosis of cardiovascular system diseases, radiologic anatomy, and pathology	Theoretical	1	Prof. Dr. Turgut Talı
Basic radiological approaches, basic principles, radiological anatomy in respiratory system diseases	Theoretical	1	Prof. Dr. Turgut Talı
Imaging methods used in diagnosis of head and neck diseases, radiologic anatomy, and pathology	Theoretical	1	Prof. Dr. Turgut Talı
MEDICAL PHARMACOLOGY			
Topic	Type	Time	Lecturer
Autonomic nervous system pharmacology, neurotransmission	Theoretical	2	Prof. Dr. Müge Tecder
Adrenergic receptor agonists	Theoretical	2	Prof. Dr. Müge Tecder
Adrenergic receptor antagonists	Theoretical	2	Prof. Dr. Müge Tecder
Muscarinic receptor agonists and antagonists	Theoretical	2	Prof. Dr. Müge Tecder
Anticholinesterase drugs	Theoretical	2	Prof. Dr. Müge Tecder
Nicotine and ganglion stimulating, blocking drugs	Theoretical	2	Prof. Dr. Müge Tecder
Antihypertensive drugs	Theoretical	2	Dr.Öğr. Üyesi Elif Hilal Vural
Peripheral vasodilators	Theoretical	1	Prof. Dr. Müge Tecder
Antianginal drugs	Theoretical	2	Prof. Dr. Müge Tecder
Antiarrhythmic drugs	Theoretical	2	Prof. Dr. Müge Tecder
Cardiac glycosides and other drugs used to treat heart failure	Theoretical	2	Prof. Dr. Müge Tecder
Hypolipidemic drugs	Theoretical	1	Dr.Öğr. Üyesi Elif Hilal Vural
Anticoagulants, antithrombotic and thrombolytic drugs	Theoretical	2	Prof. Dr. Müge Tecder
Drugs used in the respiratory system	Theoretical	2	Dr.Öğr. Üyesi Elif Hilal Vural
MEDICAL GENETICS			
Topic	Type	Time	Lecturer
Genetic approach to cardiovascular anomalies	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Respiratory system diseases of genetic origin	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Sudden death	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Dysmorphology and congenital anomalies – teratogenicity	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Genetic Counseling - Applied	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner



MEDICAL PATHOLOGY			
Topic	Type	Time	Lecturer
Hypertension and Atherosclerosis	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Ischemic Heart Diseases	Theoretical	1	Dr. Öğr. Üyesi Fatma Yıldırım
Inflammatory and congenital heart diseases	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Vasculitis	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Venous Diseases and Tumors	Theoretical	1	Dr. Öğr. Üyesi Fatma Yıldırım
Introduction to respiratory System Diseases: Pulmonary infections and sarcoidosis	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Atelectasis bronchiectasis, pneumoconiosis	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Obstructive and restrictive lung disease	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Lung Tumors-Pleural Lesions	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Medical Pathology Practice: Respiratory and cardiovascular system pathology	Practical	3	Prof. Dr. Berrak Gümüşkaya Öcal Dr. Öğr. Üyesi Fatma Yıldırım

GASTROINTESTINAL SYSTEM DISEASES COURSE BOARD PIII – BOARD III

CODE OF THE BOARD COURSES	NAME OF THE BOARD COURSES	THEORETICAL HOURS	PRACTICAL HOURS	SUM OF HOURS
---------------------------	---------------------------	-------------------	-----------------	--------------



	Exam Feedback Lesson	2	0	2
	Chief Coordinator Feedback Lesson	2	0	2
	Introduction to Course Board Lesson	2	0	2
	Pediatric Health and Diseases	2	0	2
	Infectious Diseases	8	0	8
	General Surgery	4	0	4
	Internal Medicine	13	0	13
	Nuclear Medicine	1	0	1
	Radiology	2	0	2
	Medical Biochemistry	7	0	7
	Medical Pharmacology	6	0	6
	Medical Genetics	4	0	4
	Medical Pathology	21	3	24
	TOTAL	74	3	77

AIMS AND LEARNING OBJECTIVES OF THE COURSE BOARD

Aim:

The aim of this course is to comprehend the mechanisms, pathologies, biochemical mechanisms, symptomatology, clinic, laboratory interpretations, imaging findings and pharmacological approaches of all diseases of the gastrointestinal system and liver.

Learning Objectives:

1. Defines the terminology and symptomatology of the gastrointestinal and hepatobiliary system and nutrition.
2. Evaluates diseases of the mouth and salivary gland, explains their pathology.
3. Explains the pathophysiology of motor dysfunctions of the esophagus and reflux, describes the pathology and the peculiarities of the diseases.
4. Defines the pathology and functional disorders of stomach diseases and counts the mechanisms of action of drugs used in treatment of peptic ulcer.
5. Comprehends the basis of small intestine and large intestine diseases, explains their pathology and radiology.
6. Distinguishes different approaches to diseases on the basis of each acute and chronic abdominal pain, conducts radiological and pharmacological evaluation.
7. Describes the pathology, symptomatology of liver, biliary tract and pancreatic diseases, makes biochemical and radiological evaluations.
8. Conducts pathologies and clinical evaluation of tumors of the gastrointestinal tract.
9. Defines the importance of nutrition, its basic concepts and tells the incidence of nutritional deficiencies and the markers that affect them.
10. Defines microorganisms that cause gastrointestinal tract infection.
11. Explains the fundamental radiological concepts in the diagnosis of gastrointestinal system diseases.
12. Explains basic radiological approaches in gastrointestinal system diseases, basic information about radiological images of diseases, radiological anatomy.

TOPICS

PEDIATRIC HEALTH AND DISEASES			
Topic	Type	Time	Lecturer



Bilirubin Metabolism and Approach to Patients with Jaundice	Theoretical	1	Doç. Dr. Özlem N. Şahin
Congenital Metabolic Disorders	Theoretical	1	Uzm. Dr. Berat Yeşil
INFECTIOUS DISEASES			
Topic	Type	Time	Lecturer
Acute hepatitis	Theoretical	2	Prof. Dr. Mehmet Doğanay
Gastroenteritis and food poisoning	Theoretical	2	Dr. Öğr. Üyesi Safiye Göçer
Enteric fever	Theoretical	1	Prof. Dr. Mehmet Doğanay
Gastrointestinal parasitosis and echinococcosis	Theoretical	2	Dr. Öğr. Üyesi Safiye Göçer
Zoonoses; Anthrax and others	Theoretical	1	Prof. Dr. Mehmet Doğanay
GENERAL SURGERY			
Topic	Type	Time	Lecturer
Surgical approach to abdominal pain and acute abdomen	Theoretical	1	Prof. Dr. Alper Bilal Özkardeş
Inguinal and abdominal wall hernias	Theoretical	1	Prof. Dr. Hakan Kulaçoğlu
Abdominal traumas	Theoretical	1	Doç. Dr. Ümit Özçelik
Abdominal examination	Theoretical	1	Prof. Dr. Alper Bilal Özkardeş
INTERNAL MEDICINE			
Topic	Type	Time	Lecturer
Introduction to diseases of the esophagus and stomach	Theoretical	2	Uzm. Dr. Azar ABIYEV
Dyspepsia, reflux, gastritis, ulcer	Theoretical	2	Uzm. Dr. Azar ABIYEV
Inflammatory, functional diseases of the intestine	Theoretical	2	Uzm. Dr. Azar ABIYEV
Introduction to liver diseases	Theoretical	2	Uzm. Dr. Azar ABIYEV
Acute hepatitis	Theoretical	1	Uzm. Dr. Azar ABIYEV
Introduction to pancreatic diseases	Theoretical	1	Uzm. Dr. Azar ABIYEV
Gastrointestinal tract tumors	Theoretical	2	Uzm. Dr. Azar ABIYEV
Gastrointestinal tract hemorrhages	Theoretical	1	Uzm. Dr. Azar ABIYEV
NUCLEAR MEDICINE			
Topic	Type	Time	Lecturer
Gastrointestinal system scintigraphy	Theoretical	1	Doç. Dr. Serdar Savaş Gül
RADIOLOGY			
Topic	Type	Time	Lecturer
Imaging methods used in diagnosis of gastrointestinal system diseases, radiologic anatomy and pathology 1	Theoretical	1	Prof. Dr. Turgut Talı
Imaging methods used in diagnosis of gastrointestinal system diseases, radiologic anatomy and pathology 2	Theoretical	1	Prof. Dr. Turgut Talı
MEDICAL BIOCHEMISTRY			
Topic	Type	Time	Lecturer
Liver function tests	Theoretical	1	Prof. Dr. Metin Yıldırımka
Bilirubin metabolism and hyperbilirubinemia	Theoretical	1	Prof. Dr. Metin Yıldırımka
Avitaminosis	Theoretical	2	Prof. Dr. Metin Yıldırımka
Vitamin D deficiency	Theoretical	1	Prof. Dr. Metin Yıldırımka
Clinical toxicology	Theoretical	2	Prof. Dr. Metin Yıldırımka
MEDICAL PHARMACOLOGY			
Topic	Type	Time	Lecturer



Drugs used in the treatment of peptic ulcer	Theoretical	2	Dr.Öğr. Üyesi Elif Hilal Vural
Emetic, antiemetic and prokinetic drugs and other drugs	Theoretical	2	Dr.Öğr. Üyesi Elif Hilal Vural
Laxative, purgative and antidiarrheal drugs	Theoretical	2	Dr.Öğr. Üyesi Elif Hilal Vural
MEDICAL GENETICS			
Topic	Type	Time	Lecturer
Genetically caused diarrhea - GIS Anomalies - Other GIS diseases	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Gluten Enteropathy - Autoimmune and autoinflammatory diseases and Inflammatory Bowel Diseases	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Mutation evaluation – reading the genetic report	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
PFIC – Cystic fibrosis – Prolonged jaundice – other GI diseases	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
MEDICAL PATHOLOGY			
Topic	Type	Time	Lecturer
Oral, Salivary gland diseases and neoplasias	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Diseases and Neoplasias of Esophagus	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Diseases and Neoplasias of Nasopharynx and Larynx	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Developmental abnormalities, Inflammatory Diseases and Tumors of Stomach	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Inflammatory Diseases and Tumors of Small intestine infections	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Inflammatory Diseases and Tumors of Colon, Appendiks vermiformis, anogenital region and periton	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Introduction and basic principles of Liver Diseases	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Hepatitis and Parasitic infections of Liver	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Toxic and metabolic diseases of Liver and Diseases of Gall bladder	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Neoplasias of Hepatobiliary system	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Diseases and Neoplasias of Pancreas	Theoretical	1	Dr. Öğr. Üyesi Fatma Yıldırım
Medical Pathology practice: Gastrointestinal system pathology	Practical	3	Dr. Öğr. Üyesi Fatma Yıldırım

ENDOCRINE and UROGENITAL SYSTEM DISEASES COURSE BOARD PIII – BOARD IV

CODE OF THE BOARD COURSES	NAME OF THE BOARD COURSES	THEORETICAL HOURS	PRACTICAL HOURS	SUM OF HOURS
---------------------------	---------------------------	-------------------	-----------------	--------------



	Exam Feedback Lesson	2	0	2
	Chief Coordinator Feedback Lesson	2	0	2
	Introduction to Course Board Lesson	2	0	2
	Biophysics	2	0	2
	Pediatric Health and Diseases	15	0	15
	Infectious Diseases	2	0	2
	Internal Medicine	14	0	14
	Obstetrics and Gynaecology	10	0	10
	Nuclear Medicine	2	0	2
	Radiology	4	0	4
	Medical Pharmacology	12	0	12
	Medical Genetics	7	0	7
	Medical Pathology	23	3	26
	Urology	4	0	4
	TOTAL	101	3	104

AIMS AND LEARNING OBJECTIVES OF THE COURSE BOARD

Aim:

The aim of this course is to identify the mechanisms of formation of diseases, their pathologies, biochemistry, disease causes, infectious agents, diseases clinical features, laboratory and imaging findings and pharmacological approaches and drugs used in treatment of endocrine, reproductive, and urinary systems diseases using the clinical physiology of these systems.

Learning Objectives:

1. Defines the terminology and symptomatology of the endocrine, reproductive and urinary systems.
2. Explains the hormonal physiology of the pituitary gland and hypothalamus, pharmacological properties of hormones, the development of diseases in these glands, pathology, clinical manifestations of each, in both childhood and adulthood.
3. Lists the functional physiology of the thyroid gland and the effects of its hormones, classifies diseases related to thyroid gland, defines the mechanism of their formation, explains their pathologies, clinical features and diagnostic methods in both childhood and adulthood.
4. Explains the mechanism of development, laboratory and imaging findings, clinical features of diseases related to calcium metabolism in adults and drugs used in the treatment of mineral disorders.
5. Explains the mechanism, biochemistry, pathology and clinical features of congenital and acquired diseases of the adrenal cortex and medulla and describes the corticosteroid and mineralocorticoid drugs used in the treatment of these diseases.
6. Explains the mechanism of development, biochemistry, pathology and clinical findings of diseases related to glucose metabolism in childhood and adulthood.
7. Lists the acute and chronic complications of diabetes mellitus, describes its clinical features, counts the pharmacological properties of the insulin hormone and drugs used in the treatment of diabetes mellitus.
8. Lists the causes of obesity observed in childhood and adulthood, explains the mechanism of its development, defines neuroendocrine control of energy metabolism and obesity drugs, and comprehends the importance of obesity in terms of public health.
9. Describes the physiology of growth and its disorders, lists the physiological features of puberty and describes puberty disorders, explains the biochemistry of disorders of gonadal hormones, lists the causes of male hypogonadism and describes its clinical features.
10. Classifies and defines diseases related to menstruation and ovulation disorders.



11. Classifies and defines inflammatory and neoplastic diseases seen in the organs of the female genital system, describe their pathological features, describe the symptoms in gynecology, list clinical and imaging diagnostic methods.
12. Explains the physiology of the fetus and placenta, classifies and defines placental and trophoblastic diseases.
13. Explains the physiology of pregnancy and lactation, the development of pregnancy, lists scanning tests and prenatal diagnostic tests in pregnancy.
14. Explains the physiology and mechanism of normal delivery.
15. Explains reproduction physiology, defines and classifies infertility, explains diagnostic methods.
16. Defines, lists and describes birth control methods, classifies and counts the pharmacological agents used in birth control, explains the methods of genetic consulting.
17. Explains the approach to urinary system symptomatology, describes the tests used in the diagnostic approach to kidney diseases, explains renal hemodynamics and urine formation.
18. Describes the mechanisms that constitute acid-base balance, describes fluid and electrolyte system disorders, explains the mechanism of action, pharmacokinetics, toxic effects, drug interactions and clinical uses of drugs used in the treatment of diuretics, fluid-electrolyte balance disorders and acid-base balance disorders.
19. Evaluates the pathologies of urinary system diseases, describes the diagnosis, pathologies and clinical manifestations of glomerular diseases, counts the congenital anomalies of the urinary system and comprehends their diagnosis.
20. Approaches the patient with proteinuria, hematuria and edema, interprets the mechanisms of the development of hypertension, distinguishes its primary and secondary causes; determines the tests used in the identification of secondary causes.
21. Explains the causes and consequences of acute and chronic renal failure.
22. Counts the specific and nonspecific signs and symptoms of the urinary system and explains the examination methods used in the diagnosis of urinary system diseases.
23. Explains basic radiological approaches in male urogenital system diseases, basic information about radiological images of diseases, radiological anatomy.
24. Explains basic radiological approaches in female urogenital system diseases, basic information about radiological images of diseases, radiological anatomy.
25. Explains basic radiological approaches in endocrine system diseases, basic information about radiological images of diseases, radiological anatomy.
26. Explains basic radiological approaches in breast diseases, basic information about radiological images of diseases, radiological anatomy.

TOPICS

BIOPHYSICS			
Topic	Type	Time	Lecturer
Biophysical basis of altered electrical activity in cardiac dysfunction in metabolic disorders	Theoretical	1	Prof. Dr. Belma Turan
Electrical and molecular basis of alteration parameters of ECGs of hearts under	Theoretical	1	Prof. Dr. Belma Turan

hyperglycemic and hyperinsulinemic conditions – ionic channels, transporters, and receptors			
--	--	--	--

PEDIATRIC HEALTH AND DISEASES

Topic	Type	Time	Lecturer
Congenital Adrenal Hyperplasia	Theoretical	1	Uzm. Dr. Ayşegül Ceran
Introduction to Inherited Metabolic Diseases	Theoretical	1	Uzm. Dr. Berat Yeşil
Physiopathology of Type 1 Diabetes	Theoretical	1	Uzm. Dr. Ayşegül Ceran
Childhood Obesity	Theoretical	1	Uzm. Dr. Ayşegül Ceran
Calcium, Phosphorus, Magnesium Balance and Disorders	Theoretical	2	Doç .Dr. Özlem N. Şahin
Normal Puberty	Theoretical	1	Doç .Dr. Özlem N. Şahin
Disorders of Sexual Differentiation	Theoretical	1	Doç .Dr. Özlem N. Şahin
Proteinuria in Children	Theoretical	1	Uzm. Dr. Özlem Aksoy
Hematuria in Children	Theoretical	1	Uzm. Dr. Özlem Aksoy
Introduction to Glomerular Diseases	Theoretical	1	Uzm. Dr. Özlem Aksoy
Renal Tubular Diseases	Theoretical	1	Uzm. Dr. Özlem Aksoy
Acid-Base Balance and Disorders	Theoretical	1	Uzm. Dr. Özlem Aksoy
Physiopathology of Acute and Chronic Kidney Failure	Theoretical	1	Uzm. Dr. Özlem Aksoy
Interstitial Nephritis	Theoretical	1	Uzm. Dr. Özlem Aksoy

INFECTIOUS DISEASES

Topic	Type	Time	Lecturer
Sexually transmitted diseases	Theoretical	2	Prof. Dr. Mehmet Doğanay

INTERNAL MEDICINE

Topic	Type	Time	Lecturer
Signs and symptoms of endocrinological system diseases	Theoretical	1	Doç. Dr. Güzin Çakmak
Diseases of the pituitary axes and pituitary gland	Theoretical	2	Doç. Dr. Güzin Çakmak
Thyroid and parathyroid glands and their diseases	Theoretical	2	Doç. Dr. Güzin Çakmak
Adrenal gland diseases (Cushing's disease, adrenocortical insufficiency)	Theoretical	1	Doç. Dr. Güzin Çakmak
Diabetes mellitus and complications	Theoretical	1	Doç. Dr. Güzin Çakmak
Other endocrine diseases (pheochromocytoma, multiple endocrine neoplasias)	Theoretical	1	Doç. Dr. Güzin Çakmak
Symptomatology of the urinary system	Theoretical	1	Doç. Dr. Cemile Özsürekcı
Renal failures (acute kidney injury, chronic kidney disease)	Theoretical	2	Doç. Dr. Cemile Özsürekcı
Acid-base balance disorders/fluid and electrolyte balance disorders/edema and proteinuria	Theoretical	1	Doç. Dr. Cemile Özsürekcı
Acute glomerulonephritis, chronic glomerulonephritis, tubulointerstitial diseases, nephrotic syndrome	Theoretical	1	Doç. Dr. Cemile Özsürekcı
Etiopathogenesis of hypertension	Theoretical	1	Doç. Dr. Cemile Özsürekcı

OBSTETRICS AND GYNECOLOGY



Topic	Type	Time	Lecturer
Gynecological history, physical examination and diagnostic methods	Theoretical	1	Prof. Dr. Serdar Günalp
Menstrual cycle	Theoretical	1	Prof. Dr. Serdar Günalp
Menstrual disorder /Amenorrhea	Theoretical	1	Dr. Günel İslamova
Pelvic pain/Dysmenorrhea / Endometriosis	Theoretical	1	Dr. Meryem Ceyhan
Introduction to obstetrics, definition and endocrinology of pregnancy	Theoretical	1	Dr. Günel İslamova
Physiology of pregnancy (maternal, fetal) / hyperemesis gravidarum	Theoretical	1	Doç. Dr. Gürcan Türkyılmaz
Vaginal bleeding (pregnancy, postpartum, postmenopausal, others)	Theoretical	1	Dr. Meryem Ceyhan
Eclampsia / Preeclampsia/ Gestational diabetes	Theoretical	1	Prof. Dr. Gamze Sinem Çağlar
Antenatal care and screening tests	Theoretical	1	Doç. Dr. Gürcan Türkyılmaz
Intrauterine infections	Theoretical	1	Prof. Dr. Gamze Sinem Çağlar
NUCLEAR MEDICINE			
Topic	Type	Time	Lecturer
Applications of nuclear medicine in endocrine diseases	Theoretical	1	Doç. Dr. Serdar Savaş Gül
Nuclear medicine methods used in nephrourological pathologies	Theoretical	1	Doç. Dr. Serdar Savaş Gül
RADIOLOGY			
Topic	Type	Time	Lecturer
Imaging methods used in diagnosis of endocrine system diseases, radiologic anatomy and pathology	Theoretical	1	Prof. Dr. Turgut Talı
Imaging methods used in diagnosis of female urogenital system diseases, radiologic anatomy and pathology 1	Theoretical	1	Prof. Dr. Turgut Talı
Imaging methods used in diagnosis of male urogenital system diseases, radiologic anatomy and pathology 2	Theoretical	1	Prof. Dr. Turgut Talı
Imaging methods used in diagnosis of breast diseases, radiologic anatomy and pathology	Theoretical	1	Prof. Dr. Turgut Talı
MEDICAL PHARMACOLOGY			
Topic	Type	Time	Lecturer
Pharmacological and pharmacokinetic aspects of hormones	Theoretical	1	Prof. Dr. Müge Tecder
Drugs that affect bone mineral homeostasis; thyroid medications	Theoretical	1	Prof. Dr. Müge Tecder
Thyroid medications	Theoretical	1	Prof. Dr. Müge Tecder
Corticosteroids, corticosteroid antagonists and ACTH (glucocorticoid, mineralocorticoid, aldosterone antagonist, ACTH))	Theoretical	2	Prof. Dr. Müge Tecder
Insulin	Theoretical	1	Prof. Dr. Müge Tecder
Oral antidiabetic drugs and glucagon	Theoretical	1	Prof. Dr. Müge Tecder



Hemostatic drugs and solutions that expand plasma volume	Theoretical	1	Prof. Dr. Müge Tecder
Diuretic drugs	Theoretical	1	Prof. Dr. Müge Tecder
Drugs and solutions used in fluid-electrolyte balance and acid-base balance disorders.	Theoretical	1	Prof. Dr. Müge Tecder
Estrogens, progestins and antagonists, oral contraceptives, oxytocic drugs	Theoretical	1	Prof. Dr. Müge Tecder
Androgens, anabolic steroids and antiandrogenic drugs	Theoretical	1	Prof. Dr. Müge Tecder

MEDICAL GENETICS

Topic	Type	Time	Lecturer
Endocrine syndromes and overgrowth	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Genetic diseases of the kidneys and urinary system	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Genital anomalies	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Prenatal Diagnosis-Preimplantation Genetic Diagnosis	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Pregnancy management in genetics, pregnancy screening and diagnosis of pregnancy complication	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Pregnancy losses	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Infertility	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner

MEDICAL PATHOLOGY

Topic	Type	Time	Lecturer
Pituitary gland adenomas and Neoplasia of adrenal gland	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal
Diseases and Neoplasias of Thyroid	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal
Diseases of Parathyroid and MEN	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Diseases of endocrine pancreas	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Renal glomerular diseases	Theoretical	3	Prof. Dr. Berrak Gümüşkaya Öcal
Tubulointerstitial Diseases	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Renal and Urothelial Neoplasias	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal
Diseases of Vulva and Vagen	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Diseases of Cervix	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Diseases of Corpus uteri	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Ovary tumors	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Gestational tumors and Diseases of placenta	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Male genital system diseases and tumors	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal
Prostate diseases and tumors	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Genital system infections and PID	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Inflammatory diseases and tumors of Breast	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal
Medical Pathology practice: Pathology of endocrine and urogenital system	Practical	3	Prof. Dr. Berrak Gümüşkaya Öcal

UROLOGY



Topic	Type	Time	Lecturer
Description of symptoms in urology and principles of general approach	Theoretical	1	Prof. Dr. Kürşad Zengin
Urological examination	Theoretical	1	Prof. Dr. Kürşad Zengin
Laboratory and imaging methods in urology	Theoretical	1	Prof. Dr. Kürşad Zengin
Urological emergencies	Theoretical	1	Prof. Dr. Kürşad Zengin

CENTRAL NERVOUS SYSTEM DISEASES COURSE BOARD PIII – BOARD V

CODE OF THE BOARD COURSES	NAME OF THE BOARD COURSES	THEORETICAL HOURS	PRACTICAL HOURS	SUM OF HOURS
	Exam Feedback Lesson	2	0	2
	Chief Coordinator Feedback Lesson	2	0	2
	Introduction to Course Board Lesson	2	0	2
	Brain and Nerve Surgery	4	0	4
	Biophysics	2	0	2



	Pediatric Health and Diseases	3	0	3
	Pediatric and Adolescent Mental Health and Diseases	6	0	6
	Infectious Diseases	4	0	4
	Eye Diseases	3	0	3
	Ear Nose and Throat Diseases	1	0	1
	Neurology	12	0	12
	Radiology	3	0	3
	Mental Health and Diseases	15	0	15
	Medical Biochemistry	4	0	4
	Medical Pharmacology	18	0	18
	Medical Genetics	6	0	6
	Medical Pathology	10	3	13
	TOTAL	97	3	100

AIMS AND LEARNING OBJECTIVES OF THE COURSE BOARD

Aim:

The aim of this course is to teach the basic concepts related to the pathologies of functions and disorders of central and peripheral nervous system, causes of diseases, infectious agents, the clinical features of diseases, laboratory and imaging findings, pharmacological approaches and drugs used in the treatment and to classify and explain the psychiatric disorders such as mood and neurocognitive disorders, drug abuse disorders and psychoses.

Learning Objectives:

1. Describes the frequently observed vascular, degenerative and demyelinating diseases of central nervous system.
2. Lists microbial factors that cause infection in nervous system, explains the mechanisms of disease development, explains the diagnostic methods and the methods of protection from and control of these infectious agents.
3. Defines epileptic seizures in children and adults.
4. Identifies the primary and secondary causes of headache, lists the available treatment approaches.
5. Lists the symptoms of peripheral neuropathy, describes the mechanism and clinic of common etiological causes.
6. Describes the pathogenesis of childhood and adult muscle diseases and counts their clinical signs and symptoms.
7. Tells the methods of radiological examination of the central nervous system.
8. Counts central nervous system tumors and clinical manifestations.
9. Classifies and explains psychiatric disorders such as mood disorders, neurocognitive and sleep disorders, alcohol and drug abuse disorders and psychoses, anxiety disorders, obsessive compulsive disorder (OCD), trauma and stress-related disorders.
10. Grades the physical, psychosocial, and cognitive development of a child.
11. Describes syndromes that lead to sensory and motor systems disorders.
12. Describes the symptoms and signs of physical examination in pathologies lead to eye disorders.
13. Counts the symptoms and signs in diseases related to brain and neurosurgery.
14. Counts the symptoms and signs seen in neurological diseases.
15. Classifies neurological diseases.



16. Describes basic radiological approaches in central system diseases, basic information about radiological images of diseases, radiological anatomy.

TOPICS

BRAIN AND NERVE SURGERY			
Topic	Type	Time	Lecturer
Cerebrovascular pathologies	Theoretical	1	Dr. Mehmet İlker Özer
Syndrome of increased intracranial pressure	Theoretical	1	Dr. Oğuz Kaan Demirtaş
Head trauma	Theoretical	1	Dr. Ali Kaplan
Spinal traumas	Theoretical	1	Dr. Mehmet Can Ezgü
BIOPHYSICS			
Topic	Type	Time	Lecturer
Medical imaging and application techniques I	Theoretical	1	Prof. Dr. Belma Turan
Medical imaging and application techniques II	Theoretical	1	Prof. Dr. Belma Turan
PEDIATRIC HEALTH AND DISEASES			
Topic	Type	Time	Lecturer
Neurological system's symptoms in pediatric patients and neurological examination	Theoretical	1	Doç .Dr. Özlem Şahin
Degenerative diseases of white matter	Theoretical	1	Doç .Dr. Özlem Şahin
Degenerative diseases of gray matter	Theoretical	1	Doç .Dr. Özlem Şahin
PEDIATRIC AND ADOLESCENT MENTAL HEALTH and DISEASES			
Topic	Type	Time	Lecturer
Psychiatric evaluation in children and adolescents	Theoretical	1	Dr. Samet Can Demirci
Attention deficit and hyperactivity disorder	Theoretical	1	Dr. Samet Can Demirci
Disruptive disorders, impulse control and behavioral disorders	Theoretical	1	Dr. Samet Can Demirci
Autism spectrum disorder	Theoretical	1	Dr. Samet Can Demirci
Depression and anxiety disorders in children and adolescents	Theoretical	1	Dr. Samet Can Demirci
Childhood neglect and abuse	Theoretical	1	Dr. Samet Can Demirci
INFECTIOUS DISEASES			
Topic	Type	Time	Lecturer
Rabies	Theoretical	1	Prof. Dr. Mehmet Doğanay
Central Nervous System Infections	Theoretical	1	Prof. Dr. Mehmet Doğanay
Meningococcal diseases	Theoretical	1	Prof. Dr. Mehmet Doğanay
Clostridial infections: Tetanus and Botulism	Theoretical	1	Prof. Dr. Mehmet Doğanay
EYE DISEASES			
Topic	Type	Time	Lecturer
Visual impairment/loss – eye examination	Theoretical	1	Doç. Dr. Mehmet Yakın
Eye trauma (physical, chemical)	Theoretical	1	Doç. Dr. Mehmet Yakın
Red eye (redness of the eye)/conjunctivitis	Theoretical	1	Doç. Dr. Mehmet Yakın
EAR NOSE and THROAT DISEASES			
Topic	Type	Time	Lecturer
Hearing impairment and tinnitus	Theoretical	1	Prof. Dr. Hatice Seyra Erbek
NEUROLOGY			
Topic	Type	Time	Lecturer
Symptoms and signs of neurological diseases / Classification of neurological diseases	Theoretical	1	Dr. Doruk Arslan

Changes in consciousness and coma	Theoretical	1	Dr. Doruk Arslan
Tremor and Parkinson's disease	Theoretical	1	Dr. Leyli Can Aynal
Ataxic disorders	Theoretical	1	Dr. Leyli Can Aynal
Paresthesia, Paresis, Paralysis and Speech Disorders	Theoretical	1	Dr. Can Çubuk
Transient ischemic attack and cerebral infarction	Theoretical	1	Dr. Can Çubuk
Seizures and Epilepsy	Theoretical	1	Dr. Pınar Öztürk
Peripheral Nerve and Motor Neuron Diseases / Neuropathic pain, Muscle diseases (myopathies)	Theoretical	1	Dr. Doruk Arslan
Diplopia, myasthenia gravis, cholinergic crisis	Theoretical	1	Dr. Pınar Öztürk
Headache, Migraine, tension-type headache	Theoretical	1	Dr. Can Çubuk
Multiple sclerosis	Theoretical	1	Dr. Pınar Öztürk
Cognitive disorders/ Dementia and Alzheimer's disease	Theoretical	1	Dr. Leyli Can Aynal

RADIOLOGY

Topic	Type	Time	Lecturer
Imaging methods used in diagnosis of central nervous system diseases, radiologic anatomy and pathology 1	Theoretical	1	Prof. Dr. Turgut Talı
Imaging methods used in diagnosis of central nervous system diseases, radiologic anatomy and pathology 2	Theoretical	1	Prof. Dr. Turgut Talı
Imaging methods used in diagnosis of central nervous system diseases, radiologic anatomy and pathology 3	Theoretical	1	Prof. Dr. Turgut Talı

MENTAL HEALTH AND DISEASES

Topic	Type	Time	Lecturer
Psychic apparatus	Theoretical	1	Asst. Prof. Utkan Boran Aşık
Defense mechanisms	Theoretical	1	Asst. Prof. Utkan Boran Aşık
Introduction to psychiatry, psychiatric symptoms and signs	Theoretical	2	Asst. Prof. Utkan Boran Aşık
Psychiatric interview and clinical evaluation	Theoretical	1	Asst. Prof. Utkan Boran Aşık
Definition, classification and clinical features of psychotic disorders	Theoretical	2	Asst. Prof. Utkan Boran Aşık
Definition, classification and clinical features of mood disorders	Theoretical	2	Asst. Prof. Utkan Boran Aşık
Alcohol and drug addiction	Theoretical	2	Asst. Prof. Utkan Boran Aşık
Definition, classification and clinical features of anxiety disorders	Theoretical	1	Asst. Prof. Utkan Boran Aşık
Definition, classification and clinical features of obsessive-compulsive disorder and related disorders	Theoretical	1	Asst. Prof. Utkan Boran Aşık
Delirium and dementia	Theoretical	1	Asst. Prof. Utkan Boran Aşık
Disorders associated with trauma and stressors	Theoretical	1	Asst. Prof. Utkan Boran Aşık
Definition, classification and clinical features of somatic symptom disorder and related disorders	Theoretical	1	Asst. Prof. Utkan Boran Aşık

Definition, classification and clinical features of sexual dysfunction; paraphilias and gender dysphoria	Theoretical	1	Asst. Prof. Utkan Boran Aşık
MEDICAL BIOCHEMISTRY			
Topic	Type	Time	Lecturer
Sample collection and storage in clinical biochemistry	Theoretical	1	Prof. Dr. Mustafa Metin Yıldırım
Biochemistry of trauma and tissue injuries	Theoretical	1	Prof. Dr. Metin Yıldırım
Therapeutic drug monitoring	Theoretical	1	Prof. Dr. Metin Yıldırım
Pharmacogenetics	Theoretical	1	Prof. Dr. Metin Yıldırım
MEDICAL PHARMACOLOGY			
Topic	Type	Time	Lecturer
Central nervous system pharmacology, central nervous system neurotransmitters	Theoretical	2	Prof. Dr. Müge Tecder
Pharmacology of general anaesthesia	Theoretical	2	Prof. Dr. Müge Tecder
Local anaesthetic drugs	Theoretical	2	Prof. Dr. Müge Tecder
Neuromuscular blocking drugs	Theoretical	1	Prof. Dr. Müge Tecder
Sedative and hypnotic drugs	Theoretical	2	Prof. Dr. Müge Tecder
Antipsychotic drugs	Theoretical	2	Prof. Dr. Müge Tecder
Antidepressant medications	Theoretical	2	Prof. Dr. Müge Tecder
Drug abuse and addiction	Theoretical	1	Prof. Dr. Müge Tecder
CNS stimulants and hallucinogens	Theoretical	1	Prof. Dr. Müge Tecder
Antiepileptic drugs	Theoretical	2	Prof. Dr. Müge Tecder
Medications used to treat Parkinson's disease and other movement disorders	Theoretical	1	Prof. Dr. Müge Tecder
MEDICAL GENETICS			
Topic	Type	Time	Lecturer
Neurogenetic Diseases - Epilepsy - Mental retardation	Theoretical	3	Prof. Dr. Serdar Ceylaner/ Prof. Dr. Gülay Ceylaner
Channelopathies	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr. Gülay Ceylaner
Metabolic diseases	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr. Gülay Ceylaner
CNS anomalies	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr. Gülay Ceylaner
MEDICAL PATHOLOGY			
Topic	Type	Time	Lecturer
CNS pathology cells, developmental/genetic conditions and Phacomatoses	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Neurodegenerative and demyelinating diseases of CNS	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Vascular diseases and trauma of CNS	Theoretical	1	Dr. Öğr. Üyesi Fatma Yıldırım
Tumors of CNS	Theoretical	2	Dr. Öğr. Üyesi Fatma Yıldırım
Perinatal injury	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
The eye and Peripheral Neural diseases	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal



Medical Pathology practice: Central nervous system pathology	Practical	3	Prof. Dr. Berrak Gümüşkaya Öcal/ Dr. Öğr. Üyesi Fatma Yıldırım
--	-----------	---	---



MUSCULOSKELETAL SYSTEM DISEASES COURSE BOARD PIII –BOARD VI

CODE OF THE BOARD COURSES	NAME OF THE BOARD COURSES	THEORETICAL HOURS	PRACTICAL HOURS	SUM OF HOURS
	Exam Feedback Lesson	2	0	2
	Chief Coordinator Feedback Lesson	2	0	2
	Introduction to Course Board Lesson	2	0	2
	Anesthesiology and Reanimation	1	0	1
	Pediatric Health and Diseases	1	0	1
	Physical Medicine and Rehabilitation	8	0	8
	Nuclear Medicine	1	0	1
	Orthopedics and Traumatology	10	0	10
	Radiology	3	0	3
	Medical Biochemistry	1	0	1
	Medical Pharmacology	6	0	6
	Medical Genetics	5	0	5
	Medical Pathology	10	2	12
	Dermatology	3	0	3
	TOTAL	55	2	57

AIMS AND LEARNING OBJECTIVES OF THE COURSE BOARD

Aim:

The aim of this course is to teach the signs and symptoms of diseases affecting the musculoskeletal system, to classify diseases with these signs and symptoms and to explain the abnormal laboratory tests and imaging methods that may occur in diseases.

Learning Objectives:

1. Lists pathological features of diseases of bones, joints and soft tissue.
2. Explains bone and soft tissue tumors, metabolic bone diseases.
3. Lists analgesic and anti-inflammatory drugs and centrally acting muscle relaxants.
4. Explains childhood rash diseases and autoinflammatory diseases.
5. Explains the imaging methods used in trauma and stroke.
6. Explains treatment approaches in acute and chronic pain.
7. Counts congenital, traumatic, infectious diseases of the musculoskeletal system and their symptoms.
8. Counts musculoskeletal diseases of genetic origin.
9. Describes imaging methods used in diagnosis of the musculoskeletal system diseases and basic imaging findings of them.
10. Lists fracture complications.
11. Comprehends the functions of the musculoskeletal system.
12. Explains basic radiological approaches in musculoskeletal diseases, basic information about radiological images of diseases, radiological anatomy.

TOPICS

ANAESTHESIOLOGY and REANIMATION			
Topic	Type	Time	Lecturer
Treatment approaches for acute and chronic pain	Theoretical	1	Dr. Öğr. Üyesi Ömer Zühtü Yöndem
PEDIATRIC HEALTH AND DISEASES			
Topic	Type	Time	Lecturer
Infectious diseases with rashes (in children)	Theoretical	1	Uzm. Dr. Berat Yeşil
PHYSICAL MEDICINE AND REHABILITATION			
Topic	Type	Time	Lecturer
Musculoskeletal Examination	Theoretical	2	Dr. Songül Keskin Kavak
Approach to arthritic patients	Theoretical	1	Dr. Songül Keskin Kavak
Neck pain	Theoretical	1	Prof. Dr. Lale Aktekin
Back - Low Back Pain	Theoretical	1	Dr. Emine Esra Bilir
Osteoarthritis	Theoretical	1	Dr. Emine Esra Bilir
Spondyloarthropathies	Theoretical	1	Prof. Dr. Lale Aktekin
Tenosynovitis	Theoretical	1	Dr.Emine Esra Bilir
NUCLEAR MEDICINE			
Topic	Type	Time	Lecturer
Nuclear medicine approaches in the musculoskeletal system	Theoretical	1	Doç. Dr. Serdar Savaş Gül
ORTHOPEDICS and TRAUMATOLOGY			
Topic	Type	Time	Lecturer
Limb trauma/fractures	Theoretical	1	Dr. Levent Uçar
Dislocations, soft tissue and ligament injuries	Theoretical	1	Dr. Ercan Hassa
Developmental hip dysplasia (hip dislocation)	Theoretical	1	Dr. Levent Uçar
Osteomyelitis and septic arthritis	Theoretical	1	Dr. Ercan Hassa
Mesenchymal tumors (bone tumors)	Theoretical	2	Dr. Ercan Hassa
Spine deformities	Theoretical	2	Dr. Ercan Hassa
Crush injury and compartment syndrome	Theoretical	2	Dr. Ercan Hassa
RADIOLOGY			
Topic	Type	Time	Lecturer
Imaging methods used in diagnosis of musculoskeletal system diseases, radiologic anatomy and pathology 1	Theoretical	1	Prof. Dr. Turgut Talı
Imaging methods used in diagnosis of musculoskeletal system diseases, radiologic anatomy and pathology 2	Theoretical	1	Prof. Dr. Turgut Talı
Imaging methods used in diagnosis of musculoskeletal system diseases, radiologic anatomy and pathology 3	Theoretical	1	Prof. Dr. Turgut Talı
MEDICAL BIOCHEMISTRY			
Topic	Type	Time	Lecturer
Biochemical markers in musculoskeletal diseases	Theoretical	1	Prof. Dr. Metin Yıldırım kaya
MEDICAL PHARMACOLOGY			
Topic	Type	Time	Lecturer
Opioid analgesic drugs	Theoretical	1	Prof. Dr. Müge Tecder
Nonsteroidal anti-inflammatory drugs	Theoretical	2	Prof. Dr. Müge Tecder



Centrally acting muscle relaxants	Theoretical	1	Prof. Dr. Müge Tecder
General principles of treatment in poisoning	Theoretical	1	Prof. Dr. Müge Tecder
Prescribing rules	Theoretical	1	Prof. Dr. Müge Tecder
MEDICAL GENETICS			
Topic	Type	Time	Lecturer
Diagnosis in Muscle Diseases	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Genodermatoses	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Skeletal dysplasia and skeletal anomalies	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Connective tissue diseases	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
Immunogenetics	Theoretical	1	Prof. Dr. Serdar Ceylaner/ Prof. Dr.Gülay Ceylaner
MEDICAL PATHOLOGY			
Topic	Type	Time	Lecturer
Inflammation and non-tumoral diseases of Bone and Joints	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal
Tumors of Bone and Soft Tissue	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal
Musculoskeletal diseases	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal
Basic pathology of non-neoplastic diseases of epidermis and dermis	Theoretical	2	Prof. Dr. Berrak Gümüşkaya Öcal
Melanocytic tumors	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Epidermal and adnexal tumors	Theoretical	1	Prof. Dr. Berrak Gümüşkaya Öcal
Medical Pathology practice: Skin and Musculoskeletal System Pathology	Practical	2	Prof. Dr. Berrak Gümüşkaya Öcal
DERMATOLOGY			
Topic	Type	Time	Lecturer
Structure, Anatomy, Physiology of the skin, and the Principles of Dermatological treatments	Theoretical	1	Dr. Derya Yaşar
Identification of Skin Diseases and Elementary Lesions	Theoretical	1	Dr. Pınar Öztaş
The Diagnostic Methods for dermatological diseases and the Phenomens	Theoretical	1	Dr. Koray Durmaz



PUBLIC HEALTH/FORENSIC MEDICINE/ETHICS AND CLINICAL SKILLS COURSE BOARD PIII – BOARD VI

CODE OF THE BOARD COURSES	NAME OF THE BOARD COURSES	THEORETICAL HOURS	PRACTICAL HOURS	SUM OF HOURS
	Exam Feedback Lesson	2	0	2
	Chief Coordinator Feedback Lesson	2	0	2
	Introduction to Course Board Lesson	2	0	2
	Forensics	9	0	9
	Family Medicine	20	0	20
	Public Health	65	0	65
	Clinical Skills III	0	12	12
	History of Medicine and Ethics	8	0	8
	TOTAL	108	12	120

AIMS AND LEARNING OBJECTIVES OF THE COURSE BOARD

Aim:

The aim of this course is to gain knowledge and attitude about the development process of public health insight and the risk factors in health, protection, evidence-based information creation and evaluation in the fields of early diagnosis, to learn about ethics and forensic medicine, and to acquire the clinical skills determined for the current year.

Learning Objectives:

1. Defines the concept of public health, comprehends the issues of basic health services and planning and management of health services and health workforce.
2. Lists the epidemiological criteria, form a comment by calculating these criteria and defines the basic strategy of epidemiology.
3. Lists the basic characteristics of descriptive research, explains the criteria of causality, gives examples by comparing analytical research in terms of their characteristics, explains the basic features and criteria of intervention research through example, explains the basic features and criteria of methodological research through example.
4. Explains the health criteria.
5. Explains the economic characteristics of health care services.
6. Explains the concept of infectious diseases, classifies infectious diseases according to the ways of transmission, explains the methods of prevention of infectious diseases according to the way of transmission.
7. Talks about the vaccines in the childhood, pregnancy and adult age vaccination calendar applied in Turkey, their doses and the scheme of administration.
8. Defines the cold chain, counts the cold chain elements.
9. Defines the basic concepts in the epidemiology of infectious diseases, explains the principles of surveillance of infectious diseases.
10. Groups infectious diseases of which notification is mandatory.
11. Counts the epidemic investigation steps and explains the principles of epidemic investigation and epidemic control measures.
12. Comprehends the epidemiological criteria of occupational health.
13. Defines the concept of occupational disease and risk factors causing it.
14. Defines the concept of work accident and risk factors causing it.



15. Defines the concept of emergency situations and causative factors, comprehends the components of health care in extraordinary situations.
16. Explains the concept of environmental influence, explains the concept of environmental disease, counts the types of environmental influences and counts the environmental factors that can affect health (air pollution, water pollution, wastes, etc.).
17. Counts chronic diseases and explains ways of protection.
18. Tells about the concept of early diagnosis and counts the methods of early diagnosis for chronic diseases.
19. Tells about the relationship between nutrition and health.
20. Tells about the concept of school and adolescent health.
21. Explains the well-child examination and enumerates the steps of the well-child examination in terms of child health.
22. Explains the concept of reproductive health.
23. Explains the concept of demography.
24. Lists the health problems that come together with society aging.
25. Lists the types of accidents, talks about the ways of protection against accidents.
26. Explains the concept of protecting and promoting health.
27. Explains the place and importance of ethics in medical practice.
28. Explains the legal responsibilities of the physician and the concept of malpractice.
29. Explains the forensic report and its characteristics in cases of sexual assaults, violence, injuries and deaths.

TOPICS

FORENSICS			
Topic	Type	Time	Lecturer
1. Neoplasia and Hematopoietic System Diseases Course Board	Type	Time	Lecturer
Introduction to forensic medicine, legal responsibilities of the physician, medical malpractice	Theoretical	1	Doç. Dr. Mehmet Cavlak
Forensic psychiatry, introduction and concepts	Theoretical	1	Doç. Dr. Mehmet Cavlak
2. Circulatory and Respiratory System Diseases Course Board	Type	Time	Lecturer
Forensic reports	Theoretical	1	Doç. Dr. Mehmet Cavlak
3. Gastrointestinal System Diseases Course Board	Type	Time	Lecturer
Injuries	Theoretical	1	Doç. Dr. Mehmet Cavlak
4. Endocrine and Urogenital System Diseases Course Board	Type	Time	Lecturer
Human rights and child abuse	Theoretical	1	Doç. Dr. Mehmet Cavlak
Sexual assaults	Theoretical	1	Doç. Dr. Mehmet Cavlak
Violence	Theoretical	1	Doç. Dr. Mehmet Cavlak
5. Central Nervous System Diseases Course Board	Type	Time	Lecturer
Pathophysiology of death and brain death	Theoretical	1	Doç. Dr. Mehmet Cavlak
6. Musculoskeletal System Diseases Course Board	Type	Time	Lecturer
Forensic autopsy	Theoretical	1	Doç. Dr. Mehmet Cavlak
FAMILY MEDICINE			
Topic	Type	Time	Lecturer
1. Neoplasia and Hematopoietic System Diseases Course Board	Type	Time	Lecturer



Taking anamnesis	Theoretical	2	Doç. Dr. Fisun Sözen
Obtaining informed consent	Theoretical	2	Doç. Dr. Fisun Sözen
Head, neck and lymphatic system examination	Theoretical	2	Doç. Dr. Fisun Sözen
2. Circulatory and Respiratory System Diseases Course Board	Type	Time	Lecturer
Respiratory system examination	Theoretical	2	Doç. Dr. Fisun Sözen
Circulatory system examination	Theoretical	2	Doç. Dr. Fisun Sözen
3. Gastrointestinal System Diseases Course Board	Type	Time	Lecturer
Abdomen examination	Theoretical	2	Doç. Dr. Fisun Sözen
4. Endocrine and Urogenital System Diseases Course Board	Type	Time	Lecturer
Genitourinary system examination	Theoretical	2	Doç. Dr. Fisun Sözen
Breast, testis, prostate examination	Theoretical	2	Doç. Dr. Fisun Sözen
5. Central Nervous System Diseases Course Board	Type	Time	Lecturer
Neurological examination	Theoretical	2	Doç. Dr. Fisun Sözen
6. Musculoskeletal System Diseases Course Board	Type	Time	Lecturer
Full physical examination	Theoretical	2	Doç. Dr. Fisun Sözen
PUBLIC HEALTH			
Topic	Type	Time	Lecturer
1. Neoplasia and Hematopoietic System Diseases Course Board	Type	Time	Lecturer
The concept of public health	Theoretical	1	Prof. Dr. Gülsen Güneş
Primary health services	Theoretical	2	Prof. Dr. Sarp Üner
Health administration	Theoretical	1	Prof. Dr. Sarp Üner
Planning of health services	Theoretical	1	Prof. Dr. Sarp Üner
Health human resources	Theoretical	1	Prof. Dr. Sarp Üner
Health services in Türkiye	Theoretical	1	Prof. Dr. Sarp Üner
Definition of epidemiology, usage areas and research types	Theoretical	1	Prof. Dr. Sarp Üner
Descriptive studies, cause concept in epidemiology, cross-sectional studies	Theoretical	1	Prof. Dr. Sarp Üner
Case-control studies	Theoretical	1	Prof. Dr. Sarp Üner
Cohort studies	Theoretical	1	Prof. Dr. Sarp Üner
Intervention research, methodological research	Theoretical	1	Prof. Dr. Sarp Üner
Health measures	Theoretical	2	Prof. Dr. Sarp Üner
Research planning	Theoretical	2	Prof. Dr. Sarp Üner
2. Circulatory and Respiratory System Diseases Course Board	Type	Time	Lecturer
Introduction to health economics, factors affecting health	Theoretical	1	Prof. Dr. Sarp Üner
Economic characteristics of health care services	Theoretical	1	Prof. Dr. Sarp Üner
Techniques of economic evaluation in health	Theoretical	1	Prof. Dr. Sarp Üner
Control of communicable diseases	Theoretical	2	Prof. Dr. Sarp Üner
Surveillance	Theoretical	1	Prof. Dr. Sarp Üner
Outbreak investigation and control	Theoretical	1	Prof. Dr. Sarp Üner
Immunization	Theoretical	2	Prof. Dr. Sarp Üner
Non-communicable diseases risk factors	Theoretical	1	Prof. Dr. Sarp Üner

Non-communicable diseases – The situation in the world and in Türkiye	Theoretical	1	Prof. Dr. Sarp Üner
Prevention of non-communicable diseases	Theoretical	1	Prof. Dr. Sarp Üner
3. Gastrointestinal System Diseases Course Board	Type	Time	Lecturer
Healthy lifestyle behaviors	Theoretical	1	Prof. Dr. Sarp Üner
Health promotion	Theoretical	1	Prof. Dr. Sarp Üner
Health literacy	Theoretical	1	Prof. Dr. Sarp Üner
Quality of life	Theoretical	1	Prof. Dr. Sarp Üner
Environmental health – basic principles	Theoretical	1	Prof. Dr. Sarp Üner
Water and soil pollution	Theoretical	1	Prof. Dr. Sarp Üner
Outdoor and indoor air pollution	Theoretical	1	Prof. Dr. Sarp Üner
Solid and liquid wastes	Theoretical	1	Prof. Dr. Sarp Üner
Environmental medicine	Theoretical	1	Prof. Dr. Sarp Üner
Global warming and climate change	Theoretical	1	Prof. Dr. Sarp Üner
4. Endocrine and Urogenital System Diseases Course Board	Type	Time	Lecturer
Evaluation of children's health from a public health perspective	Theoretical	1	Prof. Dr. Sarp Üner
The state of children's health and children's rights in the world	Theoretical	1	Prof. Dr. Sarp Üner
Situation of child health in Türkiye	Theoretical	1	Prof. Dr. Sarp Üner
Protection and promotion of adolescent health	Theoretical	1	Prof. Dr. Sarp Üner
School health	Theoretical	1	Prof. Dr. Sarp Üner
The determinants of women's health and the concept of gender	Theoretical	1	Prof. Dr. Sarp Üner
Women's health problems in the world and in Türkiye	Theoretical	1	Prof. Dr. Sarp Üner
Factors affecting fertility	Theoretical	1	Prof. Dr. Sarp Üner
Unwanted pregnancies and induced abortions	Theoretical	1	Prof. Dr. Sarp Üner
Maternal mortality and safe motherhood	Theoretical	1	Prof. Dr. Sarp Üner
Family planning	Theoretical	1	Prof. Dr. Sarp Üner
Violence against women	Theoretical	1	Prof. Dr. Sarp Üner
5. Central Nervous System Diseases Course Board	Type	Time	Lecturer
Occupational health and safety – basic concepts	Theoretical	1	Prof. Dr. Sarp Üner
Occupational diseases	Theoretical	1	Prof. Dr. Sarp Üner
Occupational diseases, work accidents	Theoretical	1	Prof. Dr. Sarp Üner
Definitions and terminology in disaster medicine	Theoretical	1	Prof. Dr. Sarp Üner
Health services in disasters	Theoretical	1	Prof. Dr. Sarp Üner
Introduction to community nutrition, risk groups in nutrition and related problems	Theoretical	1	Prof. Dr. Sarp Üner
Monitoring of malnutrition growth	Theoretical	1	Prof. Dr. Sarp Üner
Prevention of nutritional diseases	Theoretical	1	Prof. Dr. Sarp Üner
6. Musculoskeletal System Diseases Course Board	Type	Time	Lecturer
International health	Theoretical	1	Prof. Dr. Sarp Üner
Health problems of refugees and displaced persons	Theoretical	1	Prof. Dr. Gülsen Güneş
Elderly	Theoretical	1	Prof. Dr. Gülsen Güneş
Public health and disability	Theoretical	1	Prof. Dr. Sarp Üner
Violence from a public health perspective	Theoretical	1	Prof. Dr. Sarp Üner
Sustainable development goals	Theoretical	1	Prof. Dr. Sarp Üner



Protection from accidents and injuries	Theoretical	1	Prof. Dr. Gülsen Güneş
CLINICAL SKILLS (CSK III)			
Topic	Type	Time	Lecturer
1. Neoplasia and Hematopoietic System Diseases Course Board	Type	Time	Lecturer
CSK III: Intravenous injection (IV) skill	Practical	2	
2. Circulatory and Respiratory System Diseases Course Board	Type	Time	Lecturer
CSK III: Primary Suturing and Remove Skill	Practical	2	
3. Gastrointestinal System Diseases Course Board	Type	Time	Lecturer
CSK III: Taking throat culture and sow skill	Practical	2	
4. Endocrine and Urogenital System Diseases Course Board	Type	Time	Lecturer
CSK III: Inserting a nasogastric catheter skill	Practical	2	
5. Central Nervous System Diseases Course Board	Type	Time	Lecturer
CSK III: Inserting urethral catheter skill	Practical	2	
6. Musculoskeletal System Diseases Course Board	Type	Time	Lecturer
CSK III: Venous cannula application	Practical	2	
HISTORY OF MEDICINE AND ETHICS			
Topic	Type	Time	Lecturer
What is 'ethics', what is 'ethics' in medical practice'?	Theoretical	2	Prof. Dr. Nesrin Çobanoğlu Yüksel
Ethical approach in organ transplantation, euthanasia and reproductive technologies	Theoretical	2	Prof. Dr. Nesrin Çobanoğlu Yüksel
Ethical and legal approach to patient rights	Theoretical	2	Prof. Dr. Nesrin Çobanoğlu Yüksel
Ethical approach in medical research and publications, ethics committees	Theoretical	2	Prof. Dr. Nesrin Çobanoğlu Yüksel