

T.C.
YÜKSEK İHTİSAS UNIVERSITY
FACULTY OF MEDICINE
ENGLISH PROGRAM
PHASE 3
2025 – 2026 ACADEMIC GUIDE

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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PREGRADUATE MEDICAL EDUCATION COORDINATION	
CHIEF COORDINATION OFFICE	
Chief Coordinator	Prof. Dr. Ayla KÜRKÇÜOĞLU
Coordinator of Basic Medical Sciences	Prof. Dr. Ayla KÜRKÇÜOĞLU
Coordinator of Clinical Medical Sciences	Prof. Dr. Mutlu ACAR
Assistant Chief Coordinator	Asst. Prof. Dr. Ülker ÇUHACI
PHASE I COORDINATORSHIP	
Coordinator (Turkish)	Asst. Prof. Dr. Müge ÖÇAL DEMİRTAŞ
Coordinator (English)	Asst. Prof. Dr. Pınar ŞAHİN
Coordinator Assistant (Turkish)	Research Asst. Mehmet Can ERBİÇLİ
Coordinator Assistant (English)	Research Asst. Pınar TARIKAYHA
PHASE II COORDINATORSHIP	
Coordinator (Turkish)	Asst. Prof. Dr. Aslıhan Esra BİÇER
Coordinator (English)	Assoc. Dr. Çiğdem ÇİÇEK
Coordinator Assistant (Turkish)	Research Asst. Özgenur KOÇAK
Coordinator Assistant (English)	Research Asst. İlayda UMANOĞLU
PHASE III COORDINATORSHIP	
Coordinator (Turkish)	Assoc. Dr. Gamze GÜVEN
Coordinator (English)	Asst. Prof. Dr. Burcu BABA
Coordinator Assistant (Turkish)	Research Asst. Katre Cemre ATICI
Coordinator Assistant (English)	Arş. Gör. Şeyma Rabia Nur TAŞDELEN
PHASE IV COORDINATORSHIP	
Coordinator (Turkish)	Assoc. Dr. Fatih YIĞMAN
Coordinator (English)	Assoc. Dr. Fatih YIĞMAN
PHASE V COORDINATORSHIP	
Coordinator (Turkish)	Assoc. Dr. Mustafa AKKAYA
Coordinator (English)	Assoc. Dr. Mustafa AKKAYA

Hazırlayan	Kontrol Eden	Onaylayan
TIP Fakültesi Birim Kalite Komisyonu	Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Kalite Koordinatörlüğü

PHASE VI COORDINATORSHIP	
Coordinator (Turkish)	Prof. Dr. Fatma Nurhayat SAYDAM
Coordinator (English)	Prof. Dr. Fatma Nurhayat SAYDAM

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PHASE III COURSES AND ECTS

CODE	COMPULSORY COURSES	T	U	L	ECTS
	ANESTHESIS	3	-	3	
	CHILD HEALTH AND DISEASES	33	-	33	
	CARDIOLOGY	10	-	10	
	CARDIOVASCULAR SURGERY	3	-	3	
	EAR, NOSE, AND THROAT	8	-	8	
	EYE DISEASES	1	-	1	
	INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY	4	-	4	
	INTERNAL MEDICINE - ENDOCRINE	14	-	14	
	INTERNAL MEDICINE - CHEST DISEASES	13	-	13	
	INTERNAL MEDICINE - GASTROENTEROLOGY	11	-	11	
	INTERNAL MEDICINE - HEMATOLOGY	19	-	19	
	INTERNAL MEDICINE - MEDICAL ONCOLOGY	2	-	2	
	INTERNAL MEDICINE - NEPHROLOGY	14	-	14	
	INTERNAL MEDICINE - NEUROLOGY	9	-	9	
	INTERNAL MEDICINE - PSYCHIATRY	9	-	9	
	GENERAL SURGERY	4	-	4	
	MEDICAL BIOCHEMISTRY	29	-	29	
	MEDICAL PHARMACOLOGY	119	-	119	
	MEDICAL GENETICS	20	-	20	
	MEDICAL MICROBIOLOGY	79	7	86	
	MEDICAL PATHOLOGY	112	-	112	
	MEDICAL HISTORY AND ETHICS	21	-	21	
	NUCLEAR MEDICINE	8	-	8	
	OBSTETRICS AND GYNECOLOGY	14	-	14	
	ORTHOPAEDICS	4	-	4	
	PEDIATRIC SURGERY	10	-	10	
	PHYSICAL THERAPY AND REHABILITATION	9	-	9	

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	PLASTIC SURGERY	3	-	3	
	PUBLIC HEALTH	50	-	50	
	RADIOLOGY	10	-	10	
	SKIN AND VENERABLE DISEASES	3	-	3	
	UROLOGY	7	-	7	
TOTAL ECTS TO BE TAKEN AS A COMPULSORY COURSE		655	7	662	52
CODE	COMPULSORY COURSES	T	U	L	ECTS
MED ING 301	Medical English I	2		2	2
MED ING 302	Medical English II	2		2	2
TOTAL ECTS TO BE TAKEN AS A COMMON COMPULSORY COURSE					4
CODE	ELECTIVE COURSES	T	U	L	ECTS
MEDELEC 101-2	Stem Cell Biology	2	0	2	2
MEDELEC 103-2	Chemical Mechanisms of Cancer	2	0	2	2
MEDELEC 105-2	Viral Vaccine Technologies	2	0	2	2
MEDELEC 107	Advanced Medical Law	2	0	2	2
MEDELEC 109	Literature and Medicine I	2	0	2	2
MEDELEC 110-2	Sensor Technologies in Medicine	2	0	2	2
MEDELEC 2601	Speaking for Medical Students	2	0	2	2
MEDELEC 2602	Health Physics	2	0	2	2
TIPSEC 2607	Sağlık Türkçesi	2	0	2	2
TIPSEC 2608	Akademik Konuşma ve Sunum Teknikleri	2	0	2	2
TIPSEC 2609	Küresel Sağlık Yönetişi	2	0	2	2
TIPSEC 2610	Farkındalık (Mindfulness) ve Nefes Teknikleri	2	0	2	2
TIPSEC 2611	İş-Yaşam Dengesi	2	0	2	2
TIPSEC 2612	Nükleer ve Radyasyon Teknolojiler ve Güvenliği	2	0	2	2
TOTAL ECTS TO BE TAKEN AS AN ELECTIVE COURSE					4
TOTAL ECTS TO BE TAKEN IN YEAR III					60

PHASE III AIM AND LEARNING OBJECTIVES

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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Sayfa 5 / 52

Aim:

During this term, students are expected to develop a systematic understanding of the pathophysiological processes of the major organ systems, along with the epidemiological, clinical, laboratory, imaging, and pharmacological characteristics of diseases related to these systems. The aim is to enable students to comprehend infectious diseases, neoplasms, and diseases of the respiratory, circulatory, gastrointestinal, metabolic, urinary, endocrine, reproductive, sensory, nervous, muscular, and skeletal systems; to recognize diagnostic and therapeutic approaches, including emergency management and preventive medicine practices. Furthermore, students are expected to build awareness of professional responsibilities within the framework of medical ethics and to adopt a multidisciplinary approach to health education, epidemiological research, occupational diseases, women's and children's health, and public health challenges.

Learning Objectives:**Knowledge**

1. Explain the normal structure and functions of organ systems.
2. Describe the basic mechanisms of pathological processes.
3. List the pathophysiology and clinical manifestations of diseases.
4. Evaluate the relationship between normal and pathological processes.
5. Explain the physiology and pathology of the hematopoietic system.
6. Recognize the characteristics of hematological and oncological diseases.
7. Explain the basic characteristics of neoplastic processes.
8. Recognize the characteristics of childhood diseases.
9. List the basic principles of pediatric vaccination.
10. Explain the basic concepts of surgery.
11. Explain the structure and functions of the nervous system.
12. Recognize the anatomy and physiology of the musculoskeletal systems.
13. Explain the functions of the endocrine system.
14. List the structure and functions of the gastrointestinal system.
15. Explain the physiology of the respiratory system.
16. Recognize the basic functions of the cardiovascular system.
17. List the properties of microbiological agents (bacteria, viruses, fungi, parasites).
18. Explain the mechanisms of action of antimicrobial drugs.
19. Recognize the main pathogens that cause infectious diseases.
20. List the methods for diagnosis and prevention of infectious diseases.
21. Explain the biochemical basis of metabolic diseases.
22. Describe the biochemical effects of hormones.
23. Explain the relationship between nutrition and metabolism.
24. List the basic principles of public health.
25. Explain the epidemiology of communicable and non-communicable diseases.
26. Explain the social determinants of health.
27. List the basic principles of medical ethics.
28. Explain patient rights and the concept of autonomy.

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29. Recognize scientific research methods..

Skill

30. Recognize system-specific laboratory and imaging methods.
31. Recognize hematological and genetic diagnostic methods.
32. Explain pharmacological approaches to hematological diseases.
33. Recognize pediatric examination steps.
34. Recognize asepsis and antisepsis rules specific to surgery.
35. Identify the clinical signs of surgical emergencies.
36. Recognize the basic tools used in surgical procedures.
37. Recognize neurological examination steps.
38. Apply musculoskeletal examination methods.
39. Recognize respiratory system examination findings.
40. Recognize cardiovascular examination methods.
41. Interpret microbiological diagnostic methods.
42. Interpret biochemical laboratory tests.
43. Interpret clinical samples using scientific methods.
44. Critically evaluate medical data.

Attitude

45. Maintains sterilization and safety standards in surgical and clinical practices.
46. Values preventive medical practices.
47. Demonstrates a sense of responsibility for improving public health.
48. Respects patient rights.
49. Considers the principles of autonomy, beneficence, non-maleficence, and justice in decision-making.
50. Internalizes professional values and medical ethics.

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PUBLIC HEALTH COMMITTEE
PHASE III – COURSE I
COURSE CODE: MED 3010

COURSE CODE	COURSE TITLE		THEORETICAL HOURS	PRACTICAL HOURS	TOTAL HOURS
MED 3010	Coordinatorship Courses	Committee Introduction	1	0	1
	Infectious Diseases and Clinical Microbiology		4	-	4
	Medical Biochemistry		1	-	1
	Medical Genetics		2	-	2
	Medical History and Ethics		8	-	8
	Medical Microbiology		28	2	30
	Medical Pathology		8	-	8
	Medical Pharmacology		18	-	18
	Pediatric Surgery		1	-	1
	Public Health		20	-	20
	TOTAL		90	2	92

COMMITTEE AIM AND LEARNING OBJECTIVES**Aim:**

At the end of this committee, students are expected to understand the agents, transmission routes, epidemiological features, pathogenesis, clinical and laboratory diagnostic methods, pathological findings, and pharmacological approaches to antimicrobial drugs of infectious diseases that negatively affect public health; to develop awareness of current health problems such as hospital infections; to understand the importance of public health practices such as epidemiological research, health education, occupational health and emergency management to protect public health; and to gain awareness of professional responsibility within the framework of medical ethics.

Learning Objectives:

1. Explain the public health significance of childhood obesity.
2. Evaluate the environmental and genetic factors that lead to obesity.
3. Discuss societal strategies for preventing childhood obesity.
4. Explains the clinical findings and epidemiology of infectious diseases.
5. Evaluates the pathogenesis of fever and the approach to a febrile patient.
6. Explains the basic practices for the prevention of hospital-acquired infections.
7. Describes the public health approach and its key concepts.
8. Explains or demonstrates the role of public health within other fields of medicine.
9. Knows and defines the fundamental principles of public health.
10. Lists the five categories of preventive health services and explains them when asked.
11. Lists the categories and functions of curative (therapeutic) health services.

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12. Defines and explains medical and social rehabilitation.
13. Explains the concepts of equity and equality in healthcare and distinguishes between them.
14. Understands and explains the basic concepts in health management.
15. Explains the two main types of health policy.
16. Lists the functions of macro-level health management.
17. Explains management models.
18. Explains the types of healthcare financing methods and their differences.
19. Defines epidemiology and lists epidemiological factors.
20. Explains the historical development of epidemiology.
21. Defines the fundamental strategy in epidemiology.
22. Lists the areas of application for epidemiology.
23. Evaluates and explains the causal relationships between independent and dependent variables in epidemiology.
24. Lists the types of epidemiological research one by one and defines each.
25. Defines descriptive and analytical studies.
26. Lists the types of descriptive studies.
27. Lists the types of case-control studies.
28. Explains hospital-based and community-based sampling methods.
29. Identifies and explains statistical analyses used in case-control studies.
30. Lists the advantages and disadvantages of case-control studies.
31. Defines cross-sectional studies and describes the information obtained from them.
32. Explains the definitions of surveillance and time-series studies.
33. Knows the definition of cohort studies and explains the research process.
34. Lists and defines the types of cohort studies.
35. Explains the definitions and differences between primary and secondary research.
36. Lists the types of reviews.
37. Understands and defines systematic review, meta-analysis, and pooled analysis methods.
38. Explains the definition of ecological studies.
39. Explains the process and meaning of correlational studies.
40. Explains the meaning and types of laboratory experiments.
41. Lists and defines the phases of drug research.
42. Lists the types of clinical studies.
43. Defines and explains quality of life studies.
44. Explains the methods and definitions of preventive research.
45. Lists the types of methodological studies.
46. Explains operational research.
47. Lists and defines research types based on data types.
48. Defines and calculates mortality indicators.
49. Defines and calculates birth and population indicators.
50. Explains indicators of socioeconomic and cultural structure.
51. Defines basic concepts in demography.
52. Explains the effects of demographic characteristics (such as age, education, and economic status) on public health.
53. Explains the impact of demography on the economic and cultural status of society.

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54. Knows the definition of primary healthcare institutions and lists their functions.
55. Explains the definition and scope of functions of secondary healthcare institutions.
56. Explains the definition and scope of functions of tertiary healthcare institutions.
57. Lists institutions that provide primary healthcare services.
58. Lists the primary care institutions affiliated with the Ministry of Health and explains their functions.
59. Lists and describes the primary care institutions affiliated with other organizations and their basic functions.
60. Lists the differences between andragogical and pedagogical approaches.
61. Explains the learning characteristics of adults.
62. Explains interactive teaching techniques with examples.
63. Recognizes the place of elderly health programs within broader health programs and explains its rationale.
64. Explains the basic concepts related to aging and elderly health.
65. Explains the differences in the aging process of the population in developed and developing countries.
66. Lists common health problems and risk factors in the elderly.
67. Explains the categories of preventive healthcare services for the elderly.
68. Knows and defends action plans related to aging in both the world and in Turkey.
69. Lists the stages of life.
70. Explains the importance of child, adolescent, and school health in the structure of society.
71. Lists newborn screening tests.
72. Lists the diseases screened through heel-prick blood tests.
73. Lists the leading causes of child mortality in order.
74. Explains interventions aimed at improving child health.
75. Lists behaviors that threaten adolescent health.
76. Explains the misuse of media and its consequences.
77. Lists the screenings conducted in schools.
78. Defines key concepts related to gender.
79. Explains the development of human and women's rights, including the generations of human rights.
80. Explains the impact of gender on health.
81. Explains gender roles and gender equality/inequality.
82. Lists and explains Gender Gap Index indicators.
83. As a physician, considers the concept of gender and its implications.
84. Explains the basic concepts related to occupational health.
85. Lists the principles of occupational health.
86. Explains the importance and rationale of occupational health and safety.
87. Lists the responsibilities of an occupational physician.
88. Lists the types of factors affecting worker health.
89. Explains the mechanisms of action of factors negatively affecting worker health.
90. Lists the types of physical factors in occupational health.
91. Lists and explains workplace physical factors and their health effects.
92. Explains the concept of threshold limit values in occupational health and safety.

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93. Lists the effects of ionizing and non-ionizing radiation.
94. Defines ergonomics and lists its types.
95. Lists the types of chemical factors in occupational health and their mechanisms of action.
96. Explains the differences between chemical and physical factors.
97. Lists types of gases and explains their mechanisms of action.
98. Lists precautions to be taken against chemical hazards.
99. Explains the differences between the everyday, dictionary, and scientific definitions of accidents.
100. Lists major accident groups of public health importance.
101. In the epidemiological investigation of accidents, lists agent, host, and environmental factors and explains precautions that can be taken.
102. Explains why domestic accidents are an important public health problem in Turkey and globally.
103. Lists types of occupational accidents that are significant public health issues in Turkey.
104. Knows and explains the classification of disaster management.
105. Defines risk management in disasters and lists tasks to be performed during this phase.
106. Defines crisis management in disasters and lists tasks to be performed during this phase.
107. Explains the importance and meaning of triage in the care of injured victims during disasters.
108. Explains concepts related to communicable diseases.
109. Explains the modes of agent entry and precautions to be taken, with examples.
110. Lists and explains the links in the chain of infection.
111. Explains the routes of agent exit and related preventive measures with examples.
112. Explains the modes of transmission of agents and preventive measures, with examples.
113. Lists and explains host susceptibility to infectious agents and corresponding preventive measures.
114. Lists the stages of life and explains their key characteristics.
115. Explains major health issues in different life stages.
116. Lists and explains measures to ensure a healthy pregnancy period.
117. Lists and explains measures to ensure a healthy postpartum (puerperium) period.
118. Lists and explains measures to ensure a healthy infancy period.
119. Lists and explains measures to ensure a healthy preschool period.
120. Lists and explains measures to ensure a healthy adulthood.
121. Lists and explains measures to ensure healthy aging.
122. Defines management and leadership, knows types of managers, and demonstrates leadership.
123. Knows the meaning of ratio and proportion and performs related calculations.
124. Lists and calculates morbidity indicators.
125. Defines and calculates healthcare service level indicators.
126. Defines and calculates community health level indicators.
127. Lists tasks to be completed before education/training sessions.
128. Lists issues/tasks to be considered during educational activities.
129. Lists school vaccines and their schedules.
130. Lists healthcare-related actions to be taken in case of disasters.
131. Explains and adopts the public health perspective.

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132. Considers the relationship between philosophy and health policy/management.
133. Adopts the principle of using health resources economically.
134. Considers epidemiological knowledge in practical applications.
135. Takes demographic transition into account.
136. Advocates for a societal approach to elderly issues.
137. Takes into account the characteristics of safe prescribing in older adults.
138. Considers the relationship between rights and responsibilities.
139. Takes into account key international conventions on human rights and gender discrimination.
140. Evaluates the current state of Occupational Health and Safety in Turkey.
141. Recognizes the importance of workplace lighting.
142. Lists the types of dust and considers the diseases they cause.
143. Applies epidemiological knowledge to accident prevention and control.
144. Identifies the biochemical tests used in infectious diseases and explains their clinical significance.
145. Explains the biochemical basis of acute phase reactants.
146. Lists the biochemical markers of microbial infections.
147. Explains genetic counseling and patterns of inheritance (Mendelian and non-Mendelian).
148. Recognizes the principles of population screening and prevention of genetic diseases.
149. Interprets inheritance patterns and performs genetic risk assessment based on simple family histories.
150. Approaches genetic practices with sensitivity, ethics, and awareness from a public health perspective.
151. Classifies antimicrobial drug groups.
152. Explains the mechanisms of action and clinical indications of penicillins, cephalosporins, and other antibiotics.
153. Evaluates the therapeutic contribution of antifungal, antiviral, and antiparasitic drugs.
154. Explains the epidemiology of common infectious diseases in the community (tuberculosis, HIV, hepatitis, respiratory infections, etc.).
155. Defines the transmission routes and control measures of epidemic diseases.
156. Recognizes the role of immunization programs in public health.
157. Summarizes the public health impact of antimicrobial resistance • Summarize the public health impact of antimicrobial resistance.
158. Interprets basic epidemiological data.
159. Evaluates outbreak and case scenarios from a microbiological perspective.
160. Explain prevention strategies for community health with examples.
161. Values the importance of microbiology in protecting public health.
162. Be open to teamwork and interdisciplinary collaboration in outbreak control.
163. Appreciates preventive medicine practices.
164. Defines pathology.
165. Explains the important stages in the historical development of pathology.
166. Describes the methods used in the pathology laboratory to examine and diagnose diseases.
167. Explains the basic mechanisms involved in the microbial etiopathogenesis of diseases.
168. Identifies infectious agents according to organ system diseases.
169. Explains the etiopathogenesis, morphological, and clinical features of bacterial diseases.

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170. Explains the etiopathogenesis, morphological, and clinical features of viral diseases.
171. Explains the etiopathogenesis, morphological, and clinical features of fungal diseases.
172. Explains the etiopathogenesis, morphological, and clinical features of parasitic diseases.
173. Defines the concepts of ethics and morality.
174. Lists the principles of medical ethics.
175. Explains the basic concepts of medical ethics.
176. Explains the main features of deontological (duty-based) ethics.
177. Explains the main features of virtue ethics.
178. Explains the main features of consequentialist ethics.
179. Explains the main features of principlism.
180. Explains the principle of beneficence.
181. Explains the principle of non-maleficence.
182. Explains the principle of justice.
183. Explains the principle of respect for autonomy.
184. Explains the concept of reflective equilibrium.
185. Evaluates the historical development of infectious diseases.
186. Identifies ethical issues related to infectious diseases.

SUBJECTS

PEDIATRIC SURGERY			
Topic	Type	Hours	Faculty Member
An important public health problem in the future: Childhood obesity	Theoretical	1	Prof. Dr. İrfan Serdar ARDA
INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY			
Topic	Type	Hours	Faculty Member
Introduction to Infectious Diseases	Theoretical	1	Dr. Meltem ÖZEN
Introduction to Acquired Hospital Infections	Theoretical	1	Prof. Dr. Ergin AYAŞLIOĞLU AÇIKGÖZ
Fever Pathogenesis and Fever Forms	Theoretical	1	Prof. Dr. Fatma Nurhayat SAYDAM
Approach to the Patient with Fever	Theoretical	1	Prof. Dr. Fatma Nurhayat SAYDAM
PUBLIC HEALTH			
Topic	Type	Hours	Faculty Member

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Introduction to Public Health	Theoretical	1	Dr. Yavuzalp SOLAK
Healthcare Management	Theoretical	1	Dr. Yavuzalp SOLAK
Epidemiology	Theoretical	1	Dr. Kamer KALİP
Researches in Epidemiology	Theoretical	3	Dr. Kamer KALİP
Health Indicators	Theoretical	1	Dr. Yavuzalp SOLAK
Demographic Structure and Health	Theoretical	1	Dr. Yavuzalp SOLAK
Primary Health Care and Organizations	Theoretical	1	Dr. Yavuzalp SOLAK
Introduction to Occupational Health	Theoretical	1	Dr. Yavuzalp SOLAK
Occupational Health and Safety Physical Factors	Theoretical	1	Dr. Yavuzalp SOLAK
Occupational Health and Safety Chemical Factors	Theoretical	1	Dr. Yavuzalp SOLAK
Health Education Techniques	Theoretical	1	Dr. Kamer KALİP
Child, Adolescent and School Health	Theoretical	1	Dr. Kamer KALİP
Social Gender	Theoretical	1	Dr. Kamer KALİP
Accident Epidemiology	Theoretical	1	Dr. Yavuzalp SOLAK
Health Services in Extraordinary Situations/Disasters	Theoretical	1	Dr. Yavuzalp SOLAK
Elderly Health	Theoretical	1	Dr. Selin SAĞLAM PINAR
Communicable Diseases Control	Theoretical	1	Dr. Selin SAĞLAM PINAR
Health at Different Stages of Life	Theoretical	1	Dr. Selin SAĞLAM PINAR
MEDICAL BIOCHEMISTRY			
Topic	Type	Hours	Faculty Member
Biochemical Tests in Infectious Diseases	Theoretical	1	Prof. Dr. Ayşegül AKBAY
MEDICAL GENETICS			
Topic	Type	Hours	Faculty Member
General Patterns of Inheritance and Genetic Counseling	Theoretical	1	Prof. Dr. Evrim Ünsal
Population Screening and Prevention of Genetic Diseases	Theoretical	1	Prof. Dr. Evrim Ünsal
MEDICAL PHARMACOLOGY			
Topic	Type	Hours	Faculty Member
Introduction to Chemotherapeutics	Theoretical	1	Prof. Dr. Zühal AKTUNA
Penicillins	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Cephalosporins	Theoretical	2	Prof. Dr. Zühal AKTUNA

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Aminoglycosides	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Tetracycline, Chloramphenicol	Theoretical	1	Prof. Dr. Zühal AKTUNA
Polypeptide Antibiotics	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Quinolones	Theoretical	1	Prof. Dr. Zühal AKTUNA
Sulfonamides	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Macrolides, Lincosamides, Streptogramins	Theoretical	1	Prof. Dr. Zühal AKTUNA
Antivirals	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Antifungals	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Antiseptics and Disinfectants	Theoretical	1	Prof. Dr. Göknur YALIM
Drugs used in the treatment of malaria	Theoretical	2	Prof. Dr. Zühal AKTUNA

MEDICAL MICROBIOLOGY

Topic	Type	Hours	Faculty Member
Bacteria-Host Interactions	Theoretical	2	Prof. Dr. Seyyal ROTA
Bacteria-Host Interactions and the Microbiota	Theoretical	1	Prof. Dr. Seyyal ROTA
Virus-Host Interactions	Theoretical	2	Prof. Dr. Seyyal ROTA
Fungus-Host Cell Interactions and Mycotoxins	Theoretical	1	Prof. Dr. Seyyal ROTA
Parasite-Host Interactions	Theoretical	1	Asst. Prof. Dr. Görkem CENGİZ
Microbial Sampling, Transport and Conventional Methods	Theoretical	2	Prof. Dr. Seyyal ROTA
Antibiotic Susceptibility Tests	Theoretical	1	Prof. Dr. Seyyal ROTA
Diagnostic Tests in Molecular Microbiology	Theoretical	1	Prof. Dr. Seyyal ROTA
Staphylococci	Theoretical	2	Prof. Dr. Seyyal ROTA
Streptococci	Theoretical	2	Prof. Dr. Seyyal ROTA
Laboratory Diagnosis of Staphylococci and Streptococci	Practical	1	Asst. Prof. Dr. Ülker ÇUHACI
Non-Fermentative Bacteria	Theoretical	1	Prof. Dr. Seyyal ROTA
Anaerobic Non-Spore-Forming Bacteria	Theoretical	1	Prof. Dr. Seyyal ROTA
Brucella	Theoretical	1	Prof. Dr. Seyyal ROTA
Listeria, Yersinia, and Pasteurella	Theoretical	1	Prof. Dr. Seyyal ROTA
Aerobic Spore-Forming Bacilli – Bacillus anthracis	Theoretical	1	Prof. Dr. Seyyal ROTA

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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Rickettsia	Theoretical	1	Prof. Dr. Seyyal ROTA
Agents of Viral Hemorrhagic Fevers	Theoretical	1	Prof. Dr. Seyyal ROTA
Rubella Virus	Theoretical	1	Prof. Dr. Seyyal ROTA
Herpesviruses	Theoretical	2	Prof. Dr. Seyyal ROTA
Retroviruses and HIV	Theoretical	1	Prof. Dr. Seyyal ROTA
Vector-Borne Parasitic Diseases	Theoretical	2	Asst. Prof. Dr. Görkem CENGİZ
Macroscopic and Microscopic Examination of Blood and Tissue Protozoa	Practical	1	Asst. Prof. Dr. Görkem CENGİZ

MEDICAL PATHOLOGY

Topic	Type	Hours	Faculty Member
Introduction to Pathology and Pathology Laboratory	Theoretical	1	Prof. Dr. Haldun UMUDUM
Principles of Microbial Pathogenesis	Theoretical	2	Prof. Dr. Haldun UMUDUM
Pathology of Bacterial Diseases	Theoretical	2	Prof. Dr. Haldun UMUDUM
Pathology of Viral Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Pathology of Fungal Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Pathology of Parasitic Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM

MEDICAL HISTORY AND ETHICS

Topic	Type	Hours	Faculty Member
Introduction to Ethics and Basic Concepts	Theoretical	2	Assoc. Dr. Vedat YILDIRIM
Ethical Theories	Theoretical	2	Assoc. Dr. Vedat YILDIRIM
Principles of Medical Ethics	Theoretical	2	Assoc. Dr. Vedat YILDIRIM
History of Infectious Diseases	Theoretical	1	Assoc. Dr. Vedat YILDIRIM
Infectious Diseases and Ethics	Theoretical	1	Assoc. Dr. Vedat YILDIRIM

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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HEMATOPOIETIC, IMMUNE SYSTEM DISEASES AND NEOPLASIA COMMITTEE
PHASE III – COURSE II
COURSE CODE: MED 3020

COURSE CODE	COURSE TITLE		THEORETICAL HOURS	PRACTICAL HOURS	TOTAL HOURS
MED 3020	Coordinatorship Courses	Committee Evaluation Exam	1	0	1
		Committee Introduction	1	0	1
	Child Health and Diseases		5	-	5
	Ear Nose Throat Diseases		2	-	2
	Internal Diseases Hematology		19	-	19
	Internal Diseases Oncology		2	-	2
	Medical History and Ethics		6	-	6
	Medical Biochemistry		8	-	8
	Medical Genetics		4	-	4
	Medical Pathology		13	-	13
	Medical Pharmacology		16	-	16
	Nuclear Medicine		2	-	2
	Pediatric Surgery		1	-	1
	Public Health		8	-	8
	TOTAL		86	0	86

COMMITTEE AIM AND LEARNING OBJECTIVES

Aim:

At the end of this committee, students are expected to understand the pathophysiological mechanisms related to the hematopoietic system and neoplasia processes, clinical findings, laboratory and genetic diagnostic methods, pathological features and pharmacological approaches to these diseases; to adopt appropriate clinical approaches in emergencies related to these systems and to develop a comprehensive perspective on the diagnosis, treatment, and follow-up of malignancies and hematologic disorders; and to understand the importance of preventive medicine in the prevention of cancer in terms of childhood cancers, environmental cancer factors and public health.

Learning Objectives:

1. Explains surgical approaches to solid tumors in childhood.
2. Defines surgical indications in pediatric tumors.
3. Explains basic principles of postoperative complications.
4. Evaluates surgical decisions in pediatric cases based on clinical data.
5. Adopts ethical approaches and family communication in pediatric patients.
6. Explains childhood anemias and hereditary bleeding diatheses.
7. Defines clinical features of coagulation factor deficiencies.

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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8. Classifies childhood lymphadenopathies and cancers.
9. Evaluates pediatric hematological cases and formulates preliminary diagnoses.
10. Demonstrates sensitivity in early diagnosis and treatment processes in pediatric patients.
11. Explains the public health significance of cancers.
12. Identifies and explains community-based cancer-related programs.
13. Lists the leading cancers in women in Turkey.
14. Lists the leading cancers in men in Turkey.
15. Lists the associations between environmental factors and women's health.
16. Explains the relationship between cancers and environmental exposure.
17. Designs a program for cancer screening.
18. Performs breast examination.
19. Adopts and advocates the concept that cancer incidence can be reduced through preventive measures.
20. Values the effectiveness of community-based cancer programs.
21. Explains the structure and function of bone marrow.
22. Defines disorders of erythrocytes, leukocytes, and thrombocytes.
23. Explains clinical features of anemia, leukemia, lymphoma, and plasma cell dyscrasias.
24. Explains diagnostic methods for hematological diseases.
25. Adopts an appropriate clinical approach in hematologic emergencies.
26. Explains the diagnostic steps of neoplastic diseases.
27. Defines the clinical features of Hodgkin and non-Hodgkin lymphomas.
28. Explains current approaches in cancer treatment.
29. Explains diagnostic steps in oncologic cases.
30. Demonstrates empathy and ethical sensitivity toward cancer patients.
31. Explains head and neck masses and lymphatic system diseases.
32. Defines the clinical features of head and neck tumors.
33. Differentiates between benign and malignant lesions.
34. Explains the clinical approach to head and neck masses.
35. Adopts the importance of a multidisciplinary approach and early diagnosis.
36. Explains the fundamental concepts of radiation oncology.
37. Describes the use of nuclear medicine in hematology and oncology.
38. Explains the biological effects of radiotherapy.
39. Demonstrates sensitivity regarding radiation and patient safety.
40. Explains bleeding disorders and coagulation tests.
41. Lists the biochemical tests used in porphyrias, anemias, and hemoglobinopathies.
42. Explains the clinical use of hemoglobin electrophoresis.
43. Explains the basic mechanisms of cancer biochemistry.
44. Lists the biochemical markers used in cancer diagnosis and monitoring.
45. Explains the genetic basis of hematological diseases and cancer.
46. Correlates genetic mechanisms and diagnostic methods in clinical samples.
47. Develops a sensitive and ethical approach to patient management and counseling using genetic information.
48. Explains the mechanisms of action of antineoplastic drugs.
49. Defines the pharmacological properties of anticoagulant and antiplatelet drugs.

Hazırlayan	Kontrol Eden	Onaylayan
TIP Fakültesi Birim Kalite Komisyonu	Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Kalite Koordinatörlüğü

50. Explains the physiological roles of autacoids.
51. Selects appropriate pharmacological agents in clinical scenarios.
52. Demonstrates ethical responsibility in rational drug use.
53. Explains the general definition and nomenclature of tumors.
54. Explains the characteristics of benign and malignant neoplasms.
55. Describes the differences in cancer incidence depending on location, age, and gender, and the roles of environmental and acquired exposures.
56. Explains the roles of genetic and epigenetic changes in cancer development.
57. Describes the stages of carcinogenesis.
58. Explains the factors involved in the etiopathogenesis of neoplasia and their effects.
59. Describes clinical manifestations, grading, and staging of cancer.
60. Explains laboratory diagnostic methods in cancer.
61. Explains the pathophysiology of hemodynamic disorders, thromboembolic diseases, and shock.
62. Describes the pathogenesis and morphological findings of erythrocyte diseases and bleeding disorders.
63. Explains the etiopathogenesis of lymphadenopathy and lymphadenitis, the etiopathogenesis, classification, and basic morphological features of Hodgkin and non-Hodgkin lymphoma.
64. Explains the etiopathogenesis, morphological, and clinical features of diseases of the spleen and thymus.
65. Describes the etiopathogenesis, morphological, and clinical features of childhood tumors.
66. Explains patient rights and physician responsibilities.
67. Defines the basic principles of the informed consent process.
68. Explains the principles of clinical research and publication ethics.
69. Lists the duties and authorities of the ethics committee.

SUBJECTS

PEDIATRIC SURGERY			
Topic	Type	Hours	Faculty Member
Surgical perspective on childhood solid tumors	Theoretical	1	Prof. Dr. İrfan Serdar ARDA
CHILD HEALTH AND DISEASES			
Topic	Type	Hours	Faculty Member
Hereditary Bleeding Diatheses	Theoretical	1	Dr. Seda ŞAHİN
Approach to Childhood Anemias	Theoretical	1	Dr. Seda ŞAHİN
Coagulation Factor Deficiencies/Diseases	Theoretical	1	Dr. Seda ŞAHİN
Approach to Childhood Cancers	Theoretical	1	Dr. Seda ŞAHİN
Approach to Childhood LAPs	Theoretical	1	Dr. Seda ŞAHİN
PUBLIC HEALTH			
Topic	Type	Hours	Faculty Member
Cancer and Public Health	Theoretical	1	Dr. Kamer KALİP
Cancer and Environmental Factors	Theoretical	1	Dr. Kamer KALİP
Women and Environmental Factors	Theoretical	1	Dr. Selin SAĞLAM PINAR

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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Health of Communal Living Spaces	Theoretical	1	Dr. Kamer KALİP
Travel Health	Theoretical	1	Dr. Kamer KALİP
Ensuring Health Literacy and Community Contribution and Participation	Theoretical	1	Dr. Kamer KALİP
National Economy and Health Economics	Theoretical	1	Dr. Yavuzalp SOLAK
Non-sanitary Institutions	Theoretical	1	Dr. Yavuzalp SOLAK
INTERNAL DISEASES HEMATOLOGY			
Topic	Type	Hours	Faculty Member
Structure and Function of Bone Marrow	Theoretical	1	Prof. Dr. Ender SOYDAN
Hemostasis Physiology and Coagulation Disorders	Theoretical	1	Prof. Dr. Ender SOYDAN
Diagnostic Methods in Hematological Diseases	Theoretical	1	Prof. Dr. Ender SOYDAN
Bone Marrow Dysfunction	Theoretical	1	Prof. Dr. Ender SOYDAN
Anemia	Theoretical	2	Prof. Dr. Ender SOYDAN
Erythrocyte Diseases and Hemoglobinopathies	Theoretical	1	Prof. Dr. Ender SOYDAN
Hemolysis	Theoretical	2	Prof. Dr. Ender SOYDAN
Leukocyte Disorders and Leukemias	Theoretical	2	Prof. Dr. Ender SOYDAN
Thrombocytopenias	Theoretical	2	Prof. Dr. Ender SOYDAN
Approach to Lymphadenopathy and Lymphomas	Theoretical	2	Prof. Dr. Ender SOYDAN
Splenomegaly and Chronic Myeloproliferative Diseases	Theoretical	2	Prof. Dr. Ender SOYDAN
Overview of Plasma Cell Dyscrasias	Theoretical	1	Prof. Dr. Ender SOYDAN
Hematological Problems in Liver and Spleen Diseases	Theoretical	1	Prof. Dr. Ender SOYDAN
INTERNAL DISEASES MEDICAL ONCOLOGY			
Topic	Type	Hours	Faculty Member
Diagnosis of Neoplastic Diseases	Theoretical	1	Asst. Prof. Dr. Kaan HELVACI
Hodgkin - NonHodgkin Lymphoma	Theoretical	1	Asst. Prof. Dr. Kaan HELVACI
EAR NOSE THROAT DISEASES			
Topic	Type	Hours	Faculty Member
Head and Neck Masses, Lymphatic System and Diseases	Theoretical	2	Dr. Kaan İpçi
NUCLEAR MEDICINE			
Topic	Type	Hours	Faculty Member
Basic Concepts in Radiation Oncology	Theoretical	1	Dr. Hüseyin Emre TOSUN
Nuclear Medicine in Oncology and Hematology	Theoretical	1	Dr. Hüseyin Emre TOSUN
MEDICAL BIOCHEMISTRY			
Topic	Type	Hours	Faculty Member
Biochemical Mechanisms in Cancer	Theoretical	2	Prof. Dr. Simin ROTA

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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Biochemical Markers Used in Cancer Diagnosis and Follow-up	Theoretical	1	Prof. Dr. Ayşegül AKBAY
Bleeding Disorders and Coagulation Tests	Theoretical	2	Prof. Dr. Ayşegül AKBAY
Biochemical Tests in Porphyrrias	Theoretical	1	Prof. Dr. Ayşegül AKBAY
Biochemical Tests in Anemias	Theoretical	1	Prof. Dr. Ayşegül AKBAY
Biochemical Tests and Hemoglobin Electrophoresis in Hemoglobinopathies	Theoretical	1	Prof. Dr. Ayşegül AKBAY

MEDICAL GENETICS

Topic	Type	Hours	Faculty Member
Hematological Diseases and Genetics	Theoretical	2	Dr. Eyyüp ÜÇTEPE
Cancer Genetics	Theoretical	2	Dr. Eyyüp ÜÇTEPE

MEDICAL PHARMACOLOGY

Topic	Type	Hours	Faculty Member
Antineoplastics	Theoretical	3	Asst. Prof. Dr. Melis DÜLGEROĞLU
Introduction to Autacoids	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Amine-Structure Autacoids: Histamine and Serotonin	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Autoacoids in Peptide Structure -I Angiotensin Peptides	Theoretical	1	Prof. Dr. Zühal AKTUNA
Autoacoids in Peptide Structure--II Quinine Peptides and Other Peptide-Structure Autacoids	Theoretical	1	Prof. Dr. Zühal AKTUNA
Autoacoids in Peptide Structure -III Endothelin and Natriuretic Peptides	Theoretical	1	Prof. Dr. Zühal AKTUNA
Nitric Oxide	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Autoacoids in Fatty Acid Structure	Theoretical	2	Prof. Dr. Zühal AKTUNA
Drugs Used in the Anemia Treatment	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Anticoagulants and Antiplatelet Drugs	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Fibrinolytic Drugs and Fibrinolysis Inhibitors	Theoretical	1	Prof. Dr. Zühal AKTUNA

MEDICAL PATHOLOGY

Topic	Type	Hours	Faculty Member
Classification, Characteristics of Benign and Malignant Neoplasms	Theoretical	1	Prof. Dr. Haldun UMUDUM
Cancer Epidemiology	Theoretical	1	Prof. Dr. Haldun UMUDUM
Molecular Basis of Cancer	Theoretical	3	Prof. Dr. Haldun UMUDUM
Carcinogenic Agents and Cellular Interactions	Theoretical	1	Prof. Dr. Haldun UMUDUM
Clinical Aspects of Cancer	Theoretical	1	Prof. Dr. Haldun UMUDUM
Erythrocytes and Bleeding Disorders	Theoretical	2	Prof. Dr. Haldun UMUDUM
Diseases of Leukocytes and Lymph Nodes	Theoretical	2	Prof. Dr. Haldun UMUDUM
Diseases of Spleen and Thymus	Theoretical	1	Prof. Dr. Haldun UMUDUM

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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Tumors and Tumor-like Lesions of Infancy and Childhood	Theoretical	1	Prof. Dr. Haldun UMUDUM
MEDICAL HISTORY AND ETHICS			
Topic	Type	Hours	Faculty Member
Patient Rights	Theoretical	1	Assoc. Dr. Vedat YILDIRIM
Physician Rights and Responsibilities	Theoretical	1	Assoc. Dr. Vedat YILDIRIM
Informed Consent	Theoretical	1	Assoc. Dr. Vedat YILDIRIM
Ethics Committees	Theoretical	1	Assoc. Dr. Vedat YILDIRIM
Clinical Research and Publication Ethics	Theoretical	2	Assoc. Dr. Vedat YILDIRIM

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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RESPIRATORY AND CIRCULATORY SYSTEM DISEASES COMMITTEE
PHASE III – COURSE III
COURSE CODE: MED 3030

COURSE CODE	COURSE TITLE		THEORETICAL HOURS	PRACTICAL HOURS	TOTAL HOURS
MED 3030	Coordinatorship Courses	Committee Exam	1	0	1
		Committee Introduction	1	0	1
		Meeting with Dean	1	0	1
	Anesthesia and Reanimation		2	-	2
	Cardiovascular Surgery		3	-	3
	Child Health and Diseases		11	-	11
	Ear Nose Throat Diseases		4	-	4
	Internal Diseases Chest Diseases		13	-	13
	Internal Diseases Cardiology		10	-	10
	Medical Biochemistry		6	-	6
	Medical Genetics		2	-	2
	Medical Microbiology		12	1	13
	Medical Pathology		20	-	20
	Medical Pharmacology		21	-	21
	Nuclear Medicine		2	-	2
	Pediatric Surgery		2	-	2
	Public Health		5	-	5
	Radiology		2	-	2
	TOTAL		115	1	116

COMMITTEE AIM AND LEARNING OBJECTIVES

Aim:

At the end of this committee, students are expected to understand the pathophysiology, clinical symptoms, physical examination findings, laboratory and radiological diagnostic methods, pathological features, and pharmacological approaches to diseases related to the respiratory and circulatory systems; to adopt the appropriate clinical approach in emergencies related to these systems (shock, cardiopulmonary resuscitation, etc.) and the importance of preventive medicine practices in terms of public health.

Learning Objectives:

1. Explains the basic pathophysiology of shock and cardiopulmonary resuscitation.
2. Defines the monitoring of vital signs in emergency situations.
3. Classifies the clinical significance of resuscitation protocols.
4. Describes the process of cardiopulmonary resuscitation.

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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5. Makes rapid and ethical decisions in emergency interventions.
6. Explains congenital airway malformations and diaphragmatic hernias.
7. Applies diagnostic approaches in pediatric surgical cases.
8. Defines pediatric respiratory conditions such as wheezing and bronchiolitis.
9. Classifies the approach to neonatal respiratory distress and cyanotic child.
10. Shows sensitivity to empathy and ethical approach in pediatric patients.
11. Lists occupational diseases commonly seen in Türkiye.
12. Lists the etiological factors of occupational diseases.
13. Explains methods of prevention for occupational diseases.
14. Lists common respiratory diseases in Türkiye and explains their causes.
15. Identifies risk groups in terms of transmission and contraction of respiratory diseases.
16. Explains the significance of cardiovascular diseases in Türkiye and worldwide.
17. Explains the health-related effects of tobacco and tobacco products.
18. Provides counseling for tobacco cessation.
19. Considers the relationship between occupational diseases and work life.
20. Adopts and advocates the importance of prevention from occupational diseases.
21. Prioritizes the harmful effects of tobacco and tobacco products on health.
22. Explains the infectious diseases of the lungs and their pathogenesis.
23. Defines symptoms such as cough, sputum production, and shortness of breath.
24. Classifies obstructive and restrictive lung diseases.
25. Describes the clinical approach to patients based on clinical and radiological findings.
26. Demonstrates sensitivity to preventive medicine and public health practices.
27. Explains cardiac anatomy and pathophysiology.
28. Defines the pathophysiology of hypertension, coronary artery diseases, and heart failure.
29. Classifies the clinical features of arrhythmias and valvular heart diseases.
30. Identifies auscultation points for heart sounds and characteristics of pathological heart sounds.
31. Interprets ECG findings and clinical data in cardiovascular cases.
32. Explains the basic principles of cardiovascular surgery.
33. Defines congenital and acquired valvular heart diseases.
34. Classifies indications for coronary and valvular surgery.
35. Applies clinical decision-making and patient selection in surgical cases.
36. Shows sensitivity to patient safety and multidisciplinary approaches.
37. Explains symptoms of sinonasal and pharyngeal diseases.
38. Identifies possible causes of ear pain and discharge.
39. Classifies upper airway obstructions and laryngeal diseases.
40. Describes the clinical approach appropriate for presenting symptoms.
41. Explains the use of radiation in the respiratory and cardiovascular systems.
42. Defines the basic principles of nuclear cardiology.
43. Classifies the biological effects of radiotherapy.
44. Demonstrates awareness regarding patient and radiation safety.
45. Explains the radiological findings of lung parenchymal diseases.
46. Defines the imaging principles of cardiovascular system diseases.
47. Classifies thermal and functional imaging modalities.

Hazırlayan	Kontrol Eden	Onaylayan
TIP Fakültesi Birim Kalite Komisyonu	Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Kalite Koordinatörlüğü

48. Integrates radiological findings with the clinical presentation.
49. Pays attention to patient safety and ethical principles during imaging procedures.
50. Performs biochemical analysis of arterial blood gases.
51. Explains biochemical tests used in heart diseases.
52. Lists laboratory tests for blood lipids and lipoproteins.
53. Explains the clinical significance of cardiac markers.
54. Explains the basic mechanisms of genetic diseases specific to the respiratory and circulatory systems.
55. Relates clinical presentations to genetic mechanisms and diagnostic methods.
56. Demonstrates an ethical and sensitive approach to genetic diversity and diseases.
57. Explains the mechanisms of action of respiratory system medications.
58. Describes the pharmacological properties of antihypertensive and antiarrhythmic drugs.
59. Explains drugs used in the treatment of pulmonary hypertension and heart failure.
60. Selects appropriate pharmacological agents in clinical scenarios.
61. Adopts ethical and safe approaches to rational drug use.
62. Identifies the major pathogens of respiratory system infections.
63. Explains the microbiological aspects of pneumonia, bronchitis, tuberculosis, and related diseases.
64. Summarizes microbial causes of circulatory infections (endocarditis, sepsis).
65. Recognizes the public health impact of respiratory and circulatory infections.
66. Associates clinical samples (sputum, throat swab, blood culture) with possible microbial causes.
67. Differentiates viral from bacterial respiratory infections.
68. Evaluates epidemiological aspects of infections through case examples.
69. Emphasizes the importance of prevention and early treatment of respiratory infections.
70. Adopts rational antibiotic use principles.
71. Values a multidisciplinary approach to cardiovascular and respiratory diseases.
72. Explains the etiopathogenesis, morphological, and clinical features of diseases of the upper respiratory tract, pharynx, and larynx.
73. Explains the etiopathogenesis, morphological, and clinical features of pulmonary infectious diseases.
74. Explains the etiopathogenesis, morphological, and clinical features of restrictive lung diseases.
75. Explains the etiopathogenesis, morphological, and clinical features of obstructive lung diseases.
76. Explains the etiopathogenesis, morphological, and clinical features of lung tumors.
77. Explains the etiopathogenesis, morphological, and clinical features of pleural and mediastinal diseases.
78. Explains the etiopathogenesis, morphological, and clinical features of pulmonary vascular diseases.
79. Explains the etiopathogenesis, morphological, and clinical features of heart failure and ischemic heart diseases.
80. Explains the etiopathogenesis, morphological, and clinical features of vascular diseases.

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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81. Explain the etiopathogenesis, morphological, and clinical features of hypertensive heart disease.
82. Explain the etiopathogenesis, morphological, and clinical features of congenital heart diseases.
83. Explain the etiopathogenesis, morphological, and clinical features of heart valve diseases.
84. Explain the etiopathogenesis, morphological, and clinical features of cardiomyopathies.
85. Explain the etiopathogenesis, morphological, and clinical features of pericardial diseases and heart tumors.

SUBJECTS

ANESTHESIA AND REANIMATION			
Topic	Type	Hours	Faculty Member
Approach to the Patient in Shock	Theoretical	1	Prof. Dr. Ünase BÜYÜKKOÇAK
Cardiopulmonary Resuscitation	Theoretical	1	Prof. Dr. Ünase BÜYÜKKOÇAK
PEDIATRIC SURGERY			
Topic	Type	Hours	Faculty Member
Congenital pulmonary airway malformations in children	Theoretical	1	Prof. Dr. İrfan Serdar ARDA
Childhood diaphragmatic hernias	Theoretical	1	Prof. Dr. İrfan Serdar ARDA
CHILD HEALTH AND DISEASES			
Topic	Type	Hours	Faculty Member
Respiratory System Symptomatology	Theoretical	1	Prof. Dr. İlknur BOSTANCI
Wheezing and Bronchiolitis	Theoretical	1	Prof. Dr. İlknur BOSTANCI
Cardiovascular System Examination in Children	Theoretical	1	Prof. Dr. Deniz OĞUZ
Evaluation of Heart Sounds and Murmurs	Theoretical	1	Prof. Dr. Deniz OĞUZ
Diagnostic Approach to the Cardiovascular System in Children	Theoretical	1	Prof. Dr. Deniz OĞUZ
Approach to the Cyanotic Child	Theoretical	1	Prof. Dr. Deniz OĞUZ
Respiratory Distress in the Newborn	Theoretical	1	Prof. Dr. Arzu DURSUN
Fetal Circulation and Neonatal Adaptation	Theoretical	1	Prof. Dr. Arzu DURSUN
Congenital Heart Diseases	Theoretical	2	Prof. Dr. Deniz OĞUZ
Pericarditis and Infective Endocarditis	Theoretical	1	Prof. Dr. Deniz OĞUZ
PUBLIC HEALTH			
Topic	Type	Hours	Faculty Member
Epidemiology of Respiratory System Diseases	Theoretical	1	Dr. Selin SAĞLAM PINAR
Smoking Cessation Counseling	Theoretical	1	Dr. Selin SAĞLAM PINAR
CVS Epidemiology and Prevention	Theoretical	1	Dr. Selin SAĞLAM PINAR
Control of Chronic/Non-Communicable Diseases	Theoretical	1	Dr. Kamer KALİP
Occupational Diseases	Theoretical	1	Dr. Kamer KALİP
INTERNAL DISEASES CHEST DISEASES			
Topic	Type	Hours	Faculty Member

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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Respiratory System Clinical Physiology and Defense Mechanisms	Theoretical	2	Dr. Damla KARADENİZ
Approach to the Patient with Hemoptysis	Theoretical	2	Dr. Damla KARADENİZ
Approach to Patients with Cough and Sputum	Theoretical	2	Dr. Burça TAKAR
Approach to the Patient with Shortness of Breath	Theoretical	2	Dr. Burça TAKAR
Obstructive and Restrictive Diseases of the Respiratory System	Theoretical	2	Dr. Damla KARADENİZ
Infectious Diseases of the Lung	Theoretical	1	Dr. Burça TAKAR
Pleural Diseases and Empyema	Theoretical	2	Dr. Burça TAKAR

INTERNAL DISEASES CARDIOLOGY

Topic	Type	Hours	Faculty Member
Clinical Cardiac Anatomy-Cardiovascular Anamnesis and Physical Examination	Theoretical	1	Prof. Dr. Murat TULMAÇ
Basic ECG	Theoretical	1	Prof. Dr. Murat TULMAÇ
Approach to Arrhythmias	Theoretical	1	Prof. Dr. Murat TULMAÇ
Pathophysiology of Acute and Chronic Heart Failure	Theoretical	2	Asst. Prof. Dr. Begüm YETİŞ SAYIN
Hypertension Pathophysiology	Theoretical	2	Asst. Prof. Dr. Begüm YETİŞ SAYIN
Coronary Artery Disease Pathophysiology- Stable Angina- Acute Coronary Syndromes	Theoretical	2	Asst. Prof. Dr. Savaş AÇIKGÖZ
Clinical Introduction to Valve Diseases	Theoretical	1	Asst. Prof. Dr. Savaş AÇIKGÖZ

CARDIOVASCULAR SURGERY

Topic	Type	Hours	Faculty Member
Overview of Cardiovascular Diseases	Theoretical	1	Asst. Prof. Dr. Orhan Eren GÜNERTEM
Heart and Coronary Surgery, Congenital Valve Surgery, Heart Valve Disease Surgery	Theoretical	2	Asst. Prof. Dr. Orhan Eren GÜNERTEM

EAR NOSE THROAT DISEASES

Topic	Type	Hours	Faculty Member
Sinonasal Diseases and Symptomatology	Theoretical	1	Dr. Kaan İpçi
Oral Cavity and Pharyngeal Diseases Symptomatology	Theoretical	1	Dr. Kaan İpçi
Approach to Ear Pain and Discharge	Theoretical	1	Dr. Kaan İpçi
Upper Airway Obstructions and Laryngeal Diseases	Theoretical	1	Dr. Kaan İpçi

NUCLEAR MEDICINE

Topic	Type	Hours	Faculty Member
Respiratory System	Theoretical	1	Dr. Hüseyin Emre TOSUN
Nuclear Cardiology	Theoretical	1	Dr. Hüseyin Emre TOSUN

RADIOLOGY

Topic	Type	Hours	Faculty Member
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Radiology of Lung Parenchymal Diseases	Theoretical	1	Prof. Dr. Dilek OĞUZ KÖSEHAN
Thermal Approach in Cardiovascular System Diseases	Theoretical	1	Prof. Dr. Dilek OĞUZ KÖSEHAN

MEDICAL BIOCHEMISTRY

Topic	Type	Hours	Faculty Member
Arterial Blood Gases	Theoretical	2	Prof. Dr. Ayşegül AKBAY
Biochemical Tests in Heart Diseases	Theoretical	2	Prof. Dr. Ayşegül AKBAY
Laboratory Tests for Blood Lipids and Lipoproteins	Theoretical	2	Prof. Dr. Simin ROTA

MEDICAL GENETICS

Topic	Type	Hours	Faculty Member
Genetic Diseases Specific to the Respiratory System	Theoretical	1	Dr. Eyyüp ÜÇTEPE
Genetic Diseases Specific to the Circulatory System	Theoretical	1	Dr. Eyyüp ÜÇTEPE

MEDICAL MICROBIOLOGY

Topic	Type	Hours	Faculty Member
Causative Agents of Respiratory System Infections	Theoretical	1	Prof. Dr. Seyyal ROTA
<i>Corynebacterium diphtheriae</i> and <i>Haemophilus</i>	Theoretical	1	Prof. Dr. Seyyal ROTA
<i>Haemophilus</i>	Theoretical	1	Prof. Dr. Seyyal ROTA
<i>Bordetella</i> , <i>Legionella</i>	Theoretical	1	Prof. Dr. Seyyal ROTA
<i>Chlamydia</i> , and <i>Mycoplasma</i>	Theoretical	1	Prof. Dr. Seyyal ROTA
<i>Mycobacteria</i>	Theoretical	2	Prof. Dr. Seyyal ROTA
Laboratory Diagnosis of <i>Mycobacterium tuberculosis</i>	Practical	1	Asst. Prof. Dr. Ülker ÇUHACI
<i>Nocardia</i> and <i>Actinomyces</i>	Theoretical	1	Prof. Dr. Seyyal ROTA
Viral Pathogens of the Respiratory System	Theoretical	2	Prof. Dr. Seyyal ROTA
Influenza Virus	Theoretical	1	Prof. Dr. Seyyal ROTA

MEDICAL PHARMACOLOGY

Topic	Type	Hours	Faculty Member
Respiratory System Drugs	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Antimicrobacterials	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Drugs Used in the Treatment of Pulmonary Hypertension	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Introduction to Autonomic Nervous System Pharmacology	Theoretical	1	Prof. Dr. Zuhale AKTUNA
Sympathomimetic Drugs	Theoretical	1	Prof. Dr. Zuhale AKTUNA
Sympatholytic Drugs-Alpha Blockers	Theoretical	1	Prof. Dr. Zuhale AKTUNA
Sympatholytic Drugs-Beta Blockers	Theoretical	1	Prof. Dr. Zuhale AKTUNA
Drugs Affecting Nicotine and Autonomic Ganglia	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Parasympathomimetic Drugs: Cholinesterase Inhibitors	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU

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Parasympathomimetic Drugs: Choline Esters	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Anticholinergic Drugs	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Antihypertensive Drugs	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Peripheral Vasodilators	Theoretical	1	Prof. Dr. Zuhall AKTUNA
Antiarrhythmic Drugs	Theoretical	2	Prof. Dr. Zuhall AKTUNA
Drugs Used in the Treatment of Heart Failure	Theoretical	2	Prof. Dr. Zuhall AKTUNA
Antianginal Drugs	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Antihyperlipidemic Drugs	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU

MEDICAL PATHOLOGY

Topic	Type	Hours	Faculty Member
Upper Respiratory Tract and Larynx Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Pulmonary Infections	Theoretical	1	Prof. Dr. Haldun UMUDUM
Lung Tumors	Theoretical	2	Prof. Dr. Haldun UMUDUM
Pleura and Mediastinum Diseases	Theoretical	2	Prof. Dr. Haldun UMUDUM
Lung Vascular Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Obstructive Lung Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Restrictive Lung Diseases	Theoretical	2	Prof. Dr. Haldun UMUDUM
Vascular Diseases	Theoretical		Prof. Dr. Haldun UMUDUM
Heart Failure and Ischemic Heart Diseases	Theoretical	3	Prof. Dr. Haldun UMUDUM
Hypertensive Heart Diseases	Theoretical	2	Prof. Dr. Haldun UMUDUM
Cardiomyopathies	Theoretical	1	Prof. Dr. Haldun UMUDUM
Congenital Heart Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Heart Valve Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Pericardial Diseases and Heart Tumors	Theoretical	1	Prof. Dr. Haldun UMUDUM

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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**GASTROINTESTINAL SYSTEM AND METABOLIC DISEASES COMMITTEE
PHASE III – COURSE IV
COURSE CODE: MED 3040**

COURSE CODE	COURSE TITLE		THEORETICAL HOURS	PRACTICAL HOURS	TOTAL HOURS
MED 3040	Coordinatorship Courses	Committee Exam	1	0	1
		Committee Introduction	1	0	1
	Child Health and Diseases		5	-	5
	General Surgery		2	-	2
	Internal Diseases-Gastroenterology		11	-	11
	Medical Biochemistry		4	-	4
	Medical Genetics		2	-	2
	Medical Pharmacology		14	-	14
	Medical Microbiology		19	2	21
	Medical Pathology		22	-	22
	Nuclear Medicine		1	-	1
	Pediatric Surgery		4	-	4
	Public Health		5	-	5
	Radiology		1	-	1
	TOTAL		90	2	92

COMMITTEE AIM AND LEARNING OBJECTIVES

Aim:

At the end of this committee, students are expected to understand the pathophysiology, clinical symptoms, physical examination findings, laboratory and imaging methods, and pathological features of diseases related to the gastrointestinal system and metabolism; to learn diagnostic methods, and especially pharmacological and surgical treatment approaches for these diseases; to adopt appropriate clinical approaches in emergencies (e.g. acute abdomen, gastrointestinal bleeding, metabolic crises); and to understand the importance of preventive medicine practices in public health, especially in the prevention and management of conditions such as nutritional disorders, metabolic syndrome, and obesity.

Learning Objectives:

- Explains lower gastrointestinal bleeding and congenital gastrointestinal anomalies.
- Describes the clinical significance of congenital biliary tract anomalies.
- Classifies conditions requiring pediatric gastrointestinal surgery.
- Emphasizes empathy and ethical approach in pediatric patients.
- Defines hepatomegaly and splenomegaly, and explains normal organ sizes for age.
- Lists the main causes of hepatomegaly and splenomegaly in children (hematologic, infectious, metabolic, neoplastic).
- Explains the physical examination, laboratory, and imaging methods used in diagnosis.

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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8. Describes the general pathogenesis, clinical, and laboratory findings of inherited metabolic diseases.
9. Summarizes the diagnostic approach and basic treatment principles in children with suspected metabolic diseases.
10. Explains the primary causes, clinical findings, diagnostic methods, and treatment principles of malabsorption syndromes and vitamin deficiencies.
11. Explains the clinical manifestations of acute abdomen and gastrointestinal bleeding.
12. Identifies the causes of acute abdomen and surgical priorities.
13. Classifies emergency gastrointestinal surgical conditions.
14. Describes the appropriate clinical approach to emergency surgical cases.
15. Lists the individual and environmental factors in diarrheal illnesses.
16. Explains water disinfection methods.
17. Explains the relationship between gastrointestinal diseases and the environment.
18. Explains food hygiene methods from farm to table.
19. Lists the common childhood diseases in Turkey.
20. Lists the relationship between oral and dental health and general health.
21. Lists and explains outbreak investigation methods.
22. Lists childhood vaccines and their timing.
23. Performs water chlorination.
24. Calculates attack rates for outbreaks.
25. Embraces the importance of water disinfection.
26. Embraces oral and dental health as a duty.
27. Believes in the importance of preparing outbreak reports.
28. Explains diagnostic approaches for hepatomegaly, splenomegaly, and malabsorption syndromes.
29. Defines functional and organic diseases of the gastrointestinal system.
30. Classifies peptic ulcers, reflux, inflammatory bowel diseases, and pancreatitis.
31. Describes diagnostic and therapeutic approaches appropriate for clinical cases.
32. Demonstrates sensitivity in preventive medicine and public awareness.
33. Explains the diagnosis of gastrointestinal diseases using nuclear medicine methods.
34. Describes the assessment of organ functions with nuclear imaging.
35. Classifies the role of radiation in treatment and diagnosis.
36. Describes the appropriate application of nuclear medicine to clinical cases.
37. Demonstrates sensitivity to patient safety and radiation safety.
38. Explains the basic methods of gastrointestinal radiology.
39. Describes imaging techniques for abdominal organs.
40. Relates imaging findings to diseases.
41. Describes clinical decisions based on radiological findings.
42. Pay attention to patient safety and ethical principles during imaging.
43. Describes liver function tests and explains their clinical importance.
44. Explains the basic mechanisms of bilirubin metabolism and hyperbilirubinemia.
45. Describes biochemical tests used in gastrointestinal diseases and explains their clinical importance.
46. Explains the basis and diagnostic methods of hereditary gastrointestinal cancer syndromes.

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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47. Explains the genetic basis of metabolic diseases.
48. Applies genetic diagnosis and risk assessment methods with clinical examples.
49. Applies a sensitive and informed approach to genetic screening and prevention.
50. Explains the mechanisms of action of drugs used in peptic ulcers, reflux, and inflammatory bowel diseases.
51. Describes the pharmacological properties of antiemetics, laxatives, anthelmintics, and antiprotozoal drugs.
52. Explains the principles of pharmacological intervention in toxicology and poisoning.
53. Selects and administers appropriate pharmacological agents in clinical scenarios.
54. Demonstrates ethical and patient safety awareness in rational drug use.
55. Explains the major pathogens of gastrointestinal infections.
56. Summarizes the microbiological causes of foodborne outbreaks.
57. Recognizes the relationship of hepatitis and parasitic diseases with the digestive system.
58. Defines the role of microbiota in gastrointestinal health.
59. Evaluates diarrhea, food poisoning, and hepatitis cases microbiologically.
60. Recognizes the diagnostic value of stool samples.
61. Discusses the public health impact of gastrointestinal infections.
62. Values the importance of food safety and hygiene.
63. Be sensitive to the prevention of infectious gastrointestinal diseases in the community.
64. Appreciates patient safety and epidemiological approaches.
65. Explains the etiopathogenesis, morphological, and clinical features of oral cavity and salivary gland diseases.
66. Explains the etiopathogenesis, morphological, and clinical features of esophageal diseases.
67. Explains the etiopathogenesis, morphological, and clinical features of stomach diseases.
68. Explains the etiopathogenesis, morphological, and clinical features of small intestine and colon diseases.
69. Explains the etiopathogenesis and pathology of small intestine and colon neoplasms.
70. Describes the general features of liver pathology.
71. Describes the pathology of liver infectious diseases.
72. Explains the etiopathogenesis, morphological, and clinical features of autoimmune hepatitis and drug- and toxin-induced liver damage.
73. Explains the etiopathogenesis, morphological, and clinical features of alcoholic and metabolic liver disease.
74. Explains the etiopathogenesis, morphological, and clinical features of cholestatic and vascular diseases of the liver.
75. Explains the etiopathogenesis, morphological, and clinical features of liver nodules and tumors.
76. Explains the etiopathogenesis, morphological, and clinical features of gallbladder diseases.
77. Explains the etiopathogenesis, morphological, and clinical features of exocrine pancreatic diseases.

SUBJECTS

PEDIATRIC SURGERY

Topic	Type	Hours	Faculty Member
Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü	

Lower Gastrointestinal System Bleeding in Children	Theoretical	1	Prof. Dr. İrfan Serdar ARDA
Congenital Gastrointestinal System Anomalies Detected in Newborns	Theoretical	2	Prof. Dr. İrfan Serdar ARDA
Congenital Bile Duct Anomalies	Theoretical	1	Prof. Dr. İrfan Serdar ARDA
CHILD HEALTH AND DISEASES - GASTROENTEROLOGY			
Topic	Type	Hours	Faculty Member
Approach to Hepatomegaly in Childhood	Theoretical	1	Asst. Prof. Dr. Seda ŞAHİN
Approach to Splenomegaly in Childhood	Theoretical	1	Asst. Prof. Dr. Seda ŞAHİN
Childhood Hereditary Metabolic Diseases	Theoretical	1	Prof. Dr. Mustafa KILIÇ
Malabsorption Syndromes in Children	Theoretical	1	Prof. Dr. Mustafa KILIÇ
Avitaminosis	Theoretical	1	Prof. Dr. Mustafa KILIÇ
GENERAL SURGERY			
Topic	Type	Hours	Faculty Member
Abdominal Pain, Acute Abdomen	Theoretical	2	Dr. Emre GÜNDOĞDU
PUBLIC HEALTH			
Topic	Type	Hours	Faculty Member
Childhood Immunizations	Theoretical	1	Dr. Kamer KALİP
Oral and Dental Health	Theoretical	1	Dr. Kamer KALİP
Diarrheal Diseases	Theoretical	1	Dr. Kamer KALİP
Epidemic Review	Theoretical	1	Dr. Kamer KALİP
Epidemiology of GIS diseases	Theoretical	1	Dr. Selin SAĞLAM PINAR
GASTROENTEROLOGY			
Topic	Type	Hours	Faculty Member
Gastritis and Peptic Ulcer	Theoretical	2	Prof. Dr. Murat KANTARCIOĞLU
Motor Function Disorders of the Esophagus	Theoretical	1	Prof. Dr. Murat KANTARCIOĞLU
Gastroesophageal Reflux	Theoretical	1	Prof. Dr. Murat KANTARCIOĞLU
Metabolic Liver Diseases	Theoretical	1	Prof. Dr. Murat KANTARCIOĞLU
Biliary Tract Diseases	Theoretical	1	Prof. Dr. Murat KANTARCIOĞLU
Functional Diseases of the Gastrointestinal System	Theoretical	1	Prof. Dr. Murat KANTARCIOĞLU
GIS Bleeding	Theoretical	1	Prof. Dr. Murat KANTARCIOĞLU
Inflammatory Bowel Diseases	Theoretical	1	Prof. Dr. Murat KANTARCIOĞLU
Acute and Chronic Hepatitis	Theoretical	1	Prof. Dr. Murat KANTARCIOĞLU

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Acute and Chronic Pancreatitis	Theoretical	1	Prof. Dr. Murat KANTARCIOĞLU
NUCLEAR MEDICINE			
Topic	Type	Hours	Faculty Member
Diagnosis of GIS Diseases	Theoretical	1	Dr. Hüseyin Emre TOSUN
RADIOLOGY			
Topic	Type	Hours	Faculty Member
GIS Radiology	Theoretical	1	Prof. Dr. Oğuzhan ÖZDEMİR
MEDICAL BIOCHEMISTRY			
Topic	Type	Hours	Faculty Member
Liver Function Tests and Hyperbilirubinemias	Theoretical	2	Prof. Dr. Ayşegül AKBAY
Laboratory Tests in Gastrointestinal System Diseases	Theoretical	2	Prof. Dr. Simin ROTA
MEDICAL GENETICS			
Topic	Type	Hours	Faculty Member
Hereditary Gastrointestinal Cancer Syndromes and Metabolic Diseases	Theoretical	2	Dr. Eyyüp ÜÇTEPE
MEDICAL PHARMACOLOGY			
Topic	Type	Hours	Faculty Member
Peptic Ulcer and Reflux Treatment	Theoretical	2	Prof. Dr. Dr. Zühal AKTUNA
Irritable Bowel Syndrome Treatment and Inflammatory Bowel Disease Treatment	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Laxative and Purgative Drugs	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Emetics and Antiemetics	Theoretical	1	Prof. Dr. Dr. Zühal AKTUNA
Diarrhea Treatment	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Anthelmintics	Theoretical	2	Prof. Dr. Zühal AKTUNA
Antiamoebics and Other Antiprotozoa	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Introduction to Toxicology: Occupational and Environmental Toxicology	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Heavy Metal Toxicology and Chelators	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Pharmacological Intervention in Poisonings	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
MEDICAL MICROBIOLOGY			
Topic	Type	Hours	Faculty Member
Enterobacteriaceae	Theoretical	1	Prof. Dr. Seyyal ROTA
Enterobacteriaceae (<i>Escherichia coli</i>)	Theoretical	1	Prof. Dr. Seyyal ROTA
<i>Shigella</i>	Theoretical	1	Prof. Dr. Seyyal ROTA

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<i>Salmonella</i>	Theoretical	1	Prof. Dr. Seyyal ROTA
Gastroenteritis Viruses (<i>Calicivirus, Astrovirus, Rotavirus, Reovirus, Norovirus</i>)	Theoretical	1	Prof. Dr. Seyyal ROTA
<i>Vibrio</i> Species and <i>Bacillus cereus</i>	Theoretical	1	Prof. Dr. Seyyal ROTA
<i>Campylobacter</i> and <i>Helicobacter</i>	Theoretical	1	Prof. Dr. Seyyal ROTA
Aerobic Spore-Forming Bacilli – <i>Bacillus cereus</i>	Theoretical	1	Prof. Dr. Seyyal ROTA
Enteric Bacteria	Practical	1	Asst. Prof. Dr. Ülker ÇUHACI
Gastrointestinal Protozoa	Theoretical	2	Asst. Prof. Dr. Görkem CENGİZ
Hepatitis Viruses	Theoretical	3	Prof. Dr. Seyyal ROTA
Gastrointestinal Helminths (Trematodes)	Theoretical	2	Asst. Prof. Dr. Görkem CENGİZ
Gastrointestinal Helminths (Cestodes)	Theoretical	2	Asst. Prof. Dr. Görkem CENGİZ
Gastrointestinal Helminths (Nematodes)	Theoretical	2	Asst. Prof. Dr. Görkem CENGİZ
Helminths and Intestinal Protozoa	Practical	1	Asst. Prof. Dr. Görkem CENGİZ
MEDICAL PATHOLOGY			
Topic	Type	Hours	Faculty Member
Oral Cavity and Salivary Gland Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Esophagus Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Stomach Diseases	Theoretical	2	Prof. Dr. Haldun UMUDUM
Exocrine Pancreas Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Small Intestine and Colon Diseases	Theoretical	4	Prof. Dr. Haldun UMUDUM
Small Intestine and Colon Neoplasms Pathology	Theoretical	2	Prof. Dr. Haldun UMUDUM
Liver Pathology: General Features	Theoretical	1	Prof. Dr. Haldun UMUDUM
Liver Pathology: Infectious Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Liver Pathology: Autoimmune Hepatitis, Drug and Toxin Induced Damage	Theoretical	2	Prof. Dr. Haldun UMUDUM
Liver Pathology: Alcoholic and Metabolic Fatty Liver	Theoretical	1	Prof. Dr. Haldun UMUDUM
Liver Pathology: Cholestatic and Vascular Diseases	Theoretical	2	Prof. Dr. Haldun UMUDUM
Gallbladder Pathology	Theoretical	2	Prof. Dr. Haldun UMUDUM
Liver Nodules and Tumors Pathology	Theoretical	1	Prof. Dr. Haldun UMUDUM
Diseases Associated with Environment and Nutrition	Theoretical	1	Prof. Dr. Haldun UMUDUM

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URINARY, ENDOCRINE AND REPRODUCTIVE SYSTEM DISEASES COMMITTEE
PHASE III – COURSE V
COURSE CODE: MED 3050

COURSE CODE	COURSE TITLE		THEORETICAL HOURS	PRACTICAL HOURS	TOTAL HOURS
MED 3050	Coordinatorship Courses	Committee Evaluation Exam	1	0	1
		Committee Introduction	1	0	1
	Child Health and Diseases		9		9
	General Surgery		2		2
	Gynecology and Obstetrics		14		14
	Internal Diseases-Endocrinology		14		14
	Internal Diseases-Nephrology		14		14
	Medical Biochemistry		7		7
	Medical Genetics		5		5
	Medical History and Ethics		7		7
	Medical Microbiology		9	1	10
	Medical Pathology		25		25
	Medical Pharmacology		24		24
	Nuclear Medicine		1		1
	Pediatric Surgery		2		2
	Public Health		6		6
	Radiology		3		3
	Urology		7		7
	TOTAL		149	1	150

COMMITTEE AIM AND LEARNING OBJECTIVES

Aim:

At the end of this committee, students are expected to understand the pathophysiology, clinical symptoms, physical examination findings, laboratory and imaging methods of diseases related to the excretory, endocrine and reproductive systems, to be able to explain pharmacological and surgical treatment approaches for these diseases; also to adopt appropriate clinical approaches in emergencies (e.g. renal failure, diabetic ketoacidosis, reproductive system emergencies); to understand the importance of preventive medicine practices in public health, particularly in the prevention and management of chronic diseases associated with these systems, as well as in reproductive health, women's health, and family planning.

Learning Objectives:

1. Defines congenital urinary system anomalies and pediatric gynecological problems.
2. Explains common conditions requiring urological and gynecological surgery in children.
3. Classifies indications for pediatric surgery.
4. Describes the appropriate approach to pediatric surgical cases.

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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5. Emphasizes empathy and ethical approach in pediatric patients.
6. Explains childhood diabetes, hypoglycemia, and growth and development disorders.
7. Describes the physiology of congenital hypothyroidism and pubertal problems.
8. Classifies pediatric urinary system infections and fluid-electrolyte imbalances.
9. Describes endocrine evaluation and treatment in pediatric cases.
10. Demonstrates a child health- and family-focused ethical approach.
11. Explains surgical diseases of the breast and organ transplantation.
12. Describes surgical principles for the endocrine and reproductive systems.
13. Classifies emergency and elective surgical situations.
14. Defines the appropriate clinical approach to surgical cases.
15. Pays attention to patient safety and ethical principles in surgical procedures.
16. Lists the risk factors for diabetes mellitus.
17. Knows the definition and measurement of obesity.
18. Knows the types of food and explains adequate, balanced nutrition.
19. Lists and explains the types and problems of unhealthy nutrition.
20. Lists and explains the types and methods of family planning.
21. Explains the relationship between family planning and public health.
22. Explains the basic concepts of reproductive health.
23. Calculates the bodymax index.
24. Provides adequate and balanced nutrition counseling.
25. Provides counseling on the importance of women's reproductive health.
26. Embraces the importance of family planning for public health.
27. Embraces the importance of women's reproductive health.
28. Explains the pathophysiology of pituitary, adrenal, and thyroid gland diseases.
29. Defines endocrine hypertension, diabetes, obesity, and calcium metabolism disorders.
30. Classifies clinical disorders of the thyroid, parathyroid, and pituitary glands.
31. Describes the diagnostic and therapeutic approach in clinical cases.
32. Explains the history, physical examination, and laboratory findings of kidney diseases.
33. Defines glomerular, tubulointerstitial, and vascular kidney diseases.
34. Classifies the clinical presentations of acute and chronic renal failure.
35. Explains fluid-electrolyte and acid-base management in kidney diseases.
36. Explains genital system anatomy, menstrual physiology, and gynecological diseases.
37. Describes clinical practices related to pregnancy, delivery, and antenatal follow-up.
38. Classifies conditions such as pelvic pain, abnormal bleeding, and infertility.
39. Describes gynecological examination and clinical management.
40. Demonstrates an ethical approach to women's health and reproductive rights.
41. Explains nuclear medicine methods for endocrine system diseases.
42. Describes the monitoring of organ functions and diseases through imaging.
43. Classifies the role of radiation in treatment and diagnosis.
44. Describes the application of nuclear medicine appropriate to clinical cases.
45. Demonstrates sensitivity to patient safety and radiation safety.
46. Explains radiologic methods of the endocrine and reproductive systems.
47. Describes imaging techniques of the breast and urinary systems.
48. Relates imaging findings to pathology and clinical findings.

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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49. Pay attention to ethical and patient safety principles during imaging.
50. Defines hypothalamic-pituitary hormone tests and explains their clinical applications.
51. Explains the biochemical basis and clinical significance of adrenal medulla and adrenal cortex hormone tests.
52. Defines thyroid hormone tests and explains their role in the assessment of thyroid function.
53. Defines biochemical tests used in infertility and pregnancy and explains the importance of these tests.
54. Defines kidney function tests and explains their clinical usage.
55. Explains the genetic basis of endocrine, metabolic, genital, and urinary system diseases.
56. Explains the genetics of infertility and prenatal/preimplantation genetic diagnostic approaches.
57. Interprets genetic mechanisms in clinical samples and applies diagnostic strategies.
58. Demonstrates sensitivity to genetic counseling and ethical principles.
59. Explains the pharmacological properties of hypothalamic-pituitary hormones, thyroid medications, corticosteroids, and antidiabetic agents.
60. Identifies reproductive system medications (estrogen, progestin, oral contraceptives, oxytocic and tocolytic agents) and medications used to treat fluid and electrolyte disturbances.
61. Classifies the effects of diuretics, antidiuretic hormone, and androgen/anabolic steroids.
62. Selects and administers appropriate pharmacological agents in clinical cases.
63. Demonstrates sensitivity to patient safety and ethical approaches in medication use.
64. Identifies the major pathogens of urinary tract infections.
65. Summarizes the microbiological aspects of sexually transmitted infections.
66. Recognizes microbial factors indirectly affecting the endocrine system.
67. Explains the role of microbes in reproductive health.
68. Evaluates possible microbial agents using clinical samples (urine, genital swabs).
69. Relates sexually transmitted diseases with clinical findings and microbial causes.
70. Discusses epidemiological aspects of infections through case scenarios.
71. Embraces the importance of prevention methods in sexually transmitted diseases.
72. Considers the impact of urinary tract infections on quality of life.
73. Adopts an ethical and responsible approach to reproductive health and infectious diseases.
74. Describes pituitary gland pathology.
75. Explains the etiopathogenesis, morphological, and clinical features of non-neoplastic thyroid diseases.
76. Explains the etiopathogenesis, morphological, and clinical features of neoplastic thyroid diseases.
77. Explains the etiopathogenesis, morphological, and clinical features of parathyroid gland pathology and MEN syndromes.
78. Describes the pathology of the adrenal glands.
79. Explains the etiopathogenesis, morphological, and clinical features of endocrine pancreatic diseases.
80. Explains the etiopathogenesis, morphological, and clinical features of breast diseases.
81. Explains the etiopathogenesis, morphological, and clinical features of vulvar-vaginal diseases.
82. Explains the etiopathogenesis, morphological, and clinical features of cervical diseases.
83. Explains the etiopathogenesis, morphological, and clinical features of ovarian diseases.

Hazırlayan	Kontrol Eden	Onaylayan
TIP Fakültesi Birim Kalite Komisyonu	Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Kalite Koordinatörlüğü

84. Explains the etiopathogenesis, morphological, and clinical features of uterine and fallopian tube diseases.
85. Explains the etiopathogenesis, morphological, and clinical features of pregnancy diseases.
86. Explains the etiopathogenesis, morphological, and clinical features of sexually transmitted diseases.
87. Explains the etiopathogenesis, morphological, and clinical features of glomerular diseases of the kidney.
88. Explains the etiopathogenesis, morphological, and clinical features of tubular and interstitial diseases of the kidney.
89. Explains the etiopathogenesis, morphological, and clinical features of vascular diseases of the kidney.
90. Explains the etiopathogenesis, morphological, and clinical features of congenital and developmental anomalies of the kidney and cystic diseases of the kidney.
91. Explains the etiopathogenesis, morphological, and clinical features of kidney neoplasms.
92. Explains the etiopathogenesis, morphological, and clinical features of ureteral diseases.
93. Explains the etiopathogenesis, morphological, and clinical features of prostate diseases.
94. Explains the etiopathogenesis, morphological, and clinical features of male reproductive system (penis, testicles, and epididymis) diseases.
95. Explains ethical issues related to the beginning of life.
96. Explains ethical issues related to the end of life.
97. Explains ethical issues related to organ donation.
98. Enumerates the basic ethical principles to be considered in clinical decision-making.
99. Identifies ethical issues in clinical case discussions.
100. Lists the steps followed in ethical case analysis.
101. Enumerates possible solution options in ethical dilemmas through case examples.
102. Explains the diagnosis and pathology of kidney, bladder, prostate, testicular, and ureteral diseases.
103. Describes the clinical significance of urinary obstruction, stone diseases, and tumors.
104. Classifies urological tumors and genitourinary system diseases.
105. Applies diagnostic and therapeutic approaches in urological cases.
106. Demonstrates sensitivity to patient confidentiality and ethical responsibilities.

SUBJECTS

PEDIATRIC SURGERY			
Topic	Type	Hours	Faculty Member
Congenital urinary tract anomalies	Theoretical	1	Prof. Dr. İrfan Serdar ARDA
Common childhood gynecologic problems	Theoretical	1	Prof. Dr. İrfan Serdar ARDA
CHILD HEALTH AND DISEASES			
Topic	Type	Hours	Faculty Member
Diabetes Mellitus in Children	Theoretical	1	Dr. Nur MUTLU
Hypoglycemia in Children	Theoretical	1	Dr. Nur MUTLU
Congenital Hypothyroidism	Theoretical	1	Prof. Dr. Eda İLARSLAN

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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Monitoring Growth in Children (Percentile Curvature, Tanner Staging)	Theoretical	1	Prof. Dr. Eda İLARSLAN
Puberty Physiology	Theoretical	1	Prof. Dr. Eda İLARSLAN
Approach to Pubertal Problems	Theoretical	1	Prof. Dr. Eda İLARSLAN
Childhood Urinary System Infections	Theoretical	1	Dr. Evra ÇELİKKAYA
Congenital Anomalies of the Kidney	Theoretical	1	Dr. Evra ÇELİKKAYA
Liquid Electrolyte Balance	Theoretical	1	Dr. Evra ÇELİKKAYA

GENERAL SURGERY

Topic	Type	Hours	Faculty Member
Breast Diseases Surgery	Theoretical	1	Prof. Dr. Hatim Yahya USLU
Transplantation	Theoretical	1	Prof. Dr. Hatim Yahya USLU

PUBLIC HEALTH

Topic	Type	Hours	Faculty Member
Healthy Nutrition	Theoretical	1	Dr. Selin SAĞLAM PINAR
Obesity Epidemiology	Theoretical	1	Dr. Yavuzalp SOLAK
Diabetes Mellitus Epidemiology	Theoretical	1	Dr. Yavuzalp SOLAK
Family Planning Methods	Theoretical	2	Dr. Yavuzalp SOLAK
Women's Reproductive Health	Theoretical	1	Dr. Yavuzalp SOLAK

INTERNAL DISEASES ENDOCRINE

Topic	Type	Hours	Faculty Member
Pituitary Gland Diseases	Theoretical	2	Assoc. Prof. Dr. Başak Özgen SAYDAM
Adrenal Gland Diseases	Theoretical	2	Assoc. Prof. Dr. Başak Özgen SAYDAM
Hyperthyroidism	Theoretical	1	Assoc. Prof. Dr. Başak Özgen SAYDAM
Thyroiditis and Thyroid Cancers	Theoretical	1	Assoc. Prof. Dr. Başak Özgen SAYDAM
Endocrine Hypertension	Theoretical	1	Assoc. Prof. Dr. Başak Özgen SAYDAM
Thyroid Diseases Clinic	Theoretical	1	Assoc. Prof. Dr. Başak Özgen SAYDAM
Hypothyroidism	Theoretical	1	Assoc. Prof. Dr. Başak Özgen SAYDAM
Parathyroid Gland Diseases Clinic	Theoretical	1	Assoc. Prof. Dr. Başak Özgen SAYDAM
Calcium Metabolism Disorders	Theoretical	1	Assoc. Prof. Dr. Başak Özgen SAYDAM
DM Etiopathogenesis, Clinic, Diagnostic Tests	Theoretical	1	Assoc. Prof. Dr. Başak Özgen SAYDAM
Acute-Chronic Complications of DM	Theoretical	1	Assoc. Prof. Dr. Başak Özgen SAYDAM

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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Obesity and Its Prevention	Theoretical	1	Assoc. Prof. Dr. Başak Özgen SAYDAM
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INTERNAL DISEASES NEPHROLOGY

Topic	Type	Hours	Faculty Member
Anamnesis and Physical Examination in Kidney Diseases	Theoretical	1	Dr.
Fluid-Electrolyte Balance Disorders	Theoretical	1	Dr.
Acid-Base Balance Disorders	Theoretical	1	Dr.
Nephrotic Syndrome and Nephritic Syndrome	Theoretical	1	Dr.
Primary Glomerular Diseases	Theoretical	1	Dr.
Iga Nephropathy, Apsgn	Theoretical	1	Dr.
Secondary Glomerular Diseases	Theoretical	1	Dr.
Renal Involvement in Systemic Diseases	Theoretical	2	Dr.
Tubulointerstitial Diseases, Fmf	Theoretical	1	Dr.
Cystic and Genetic Kidney Diseases, Pregnancy and Kidney	Theoretical	1	Dr.
Hypertension Diagnosis and Etiopathogenesis	Theoretical	1	Dr.
Acute Renal Failure	Theoretical	1	Dr.
Chronic Renal Failure	Theoretical	1	Dr.
Anamnesis and Physical Examination in Kidney Diseases	Theoretical	1	Dr.

GYNECOLOGY AND OBSTETRICS

Topic	Type	Hours	Faculty Member
Genital System Anatomy and Clinic	Theoretical	1	Assoc. Prof. Dr. Mustafa Erkan SARI
Gynecological Examination and Admission to the Clinic	Theoretical	1	Assoc. Prof. Dr. Mustafa Erkan SARI
Pathophysiology and Clinic of Vulva-Vagen Diseases	Theoretical	1	Assoc. Prof. Dr. Mustafa Erkan SARI
Clinical Approach to Pelvic Masses	Theoretical	1	Assoc. Prof. Dr. Mustafa Erkan SARI
Cervical Diseases Clinic	Theoretical	1	Assoc. Prof. Dr. Mustafa Erkan SARI
Causes of Amenorrhea and Differential Diagnosis	Theoretical	1	Dr. Pınar TELLİ CELTEMEN
Abnormal Uterine Bleeding	Theoretical	1	Dr. Pınar TELLİ CELTEMEN
Chronic Pelvic Pain and Dysmenorrhea	Theoretical	1	Asst. Prof. Dr. Nazlı TOPFEDAİSİ ÖZKAN
Clinical Approach to Infertility	Theoretical	1	Asst. Prof. Dr. Nazlı TOPFEDAİSİ ÖZKAN
Pathophysiology and Clinic of Uterus and Tube Diseases	Theoretical	1	Asst. Prof. Dr. Nazlı TOPFEDAİSİ ÖZKAN
Pregnancy Physiology	Theoretical	1	Dr. Pınar TELLİ CELTEMEN

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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Normal Birth and Complications	Theoretical	1	Dr. Pınar TELLİ CELTEMEN
Congenital Anomalies and Teratogenicity	Theoretical	1	Dr. Pınar TELLİ CELTEMEN
Pregnancy and Antenatal Follow-up	Theoretical	1	Dr. Pınar TELLİ CELTEMEN
NUCLEAR MEDICINE			
Topic	Type	Hours	Faculty Member
Endocrine System	Theoretical	1	Asst. Prof. Dr. Hüseyin Emre TOSUN
RADIOLOGY			
Topic	Type	Hours	Faculty Member
Endocrinological Diseases	Theoretical	1	Prof. Dr. Dilek Oğuz KÖSEHAN
Breast Diseases	Theoretical	1	Prof. Dr. Dilek Oğuz KÖSEHAN
Urinary System Radiology	Theoretical	1	Asst. Prof. Dr. Aydın ASLAN
MEDICAL BIOCHEMISTRY			
Topic	Type	Hours	Faculty Member
Hypothalamus and Pituitary Hormone Tests	Theoretical	1	Prof. Dr. Simin ROTA
Adrenal Medulla and Cortex Hormone Tests	Theoretical	1	Prof. Dr. Simin ROTA
Thyroid Hormone Tests	Theoretical	1	Prof. Dr. Simin ROTA
Pancreas Hormone Tests	Theoretical	1	Prof. Dr. Simin ROTA
Biochemical Tests in Infertility and Pregnancy	Theoretical	1	Prof. Dr. Simin ROTA
Kidney Function Tests	Theoretical	1	Prof. Dr. Simin ROTA
Complete Urine Analysis	Theoretical	1	Prof. Dr. Simin ROTA
MEDICAL GENETICS			
Topic	Type	Hours	Faculty Member
Genetic Basis of Endocrine System Diseases	Theoretical	1	Dr. Eyyüp ÜÇTEPE
Genetics of Infertility	Theoretical	1	Prof. Dr. Evrim ÜNSAL
Prenatal/Preimplantation Genetic Diagnosis	Theoretical	1	Prof. Dr. Evrim ÜNSAL
Genital and Urinary System Genetics	Theoretical	2	Dr. Eyyüp ÜÇTEPE
MEDICAL PHARMACOLOGY			
Topic	Type	Hours	Faculty Member
Hypothalamic and Pituitary Hormones and Related Drugs	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Corticosteroids	Theoretical	2	Prof. Dr. Dr. Zühal AKTUNA
Treatment of Thyroid Diseases	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Drugs Affecting Bone Mineral Homeostasis	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
ACTH, Mineralocorticoids and Inhibitors	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Insulin and Antidiabetics	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Estrogens and Progestins	Theoretical	2	Prof. Dr. Dr. Zühal AKTUNA

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Oral Contraceptive Drugs	Theoretical	1	Prof. Dr. Dr. Zühal AKTUNA
Oxytocic and Tocolytic Drugs	Theoretical	1	Prof. Dr. Dr. Zühal AKTUNA
Treatment of Fluid-Electrolyte and Acid-Base Balance Disorders	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Androgen-Anabolic Steroids	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Diuretics	Theoretical	2	Prof. Dr. Dr. Zühal AKTUNA
Drugs Related to Antidiuretic Hormone	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Urinary Antiseptics	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Drug Use During Pregnancy	Theoretical	1	Prof. Dr. Dr. Zühal AKTUNA
MEDICAL MICROBIOLOGY			
Topic	Type	Hours	Faculty Member
Genital and Urinary System Viral Infection Agents: Herpes Viruses	Theoretical	1	Prof. Dr. Seyyal ROTA
Genital and Urinary System Viral Infection Agents: Papilloma Viruses	Theoretical	1	Prof. Dr. Seyyal ROTA
Spirochetes	Theoretical	2	Prof. Dr. Seyyal ROTA
Candida, Trichomonas	Theoretical	1	Prof. Dr. Seyyal ROTA
Genital and Urinary System Bacterial Infection Agents: Gonococcus and H. ducreyi	Theoretical	1	Prof. Dr. Seyyal ROTA
Genital and Urinary System Infection Agents: Mycoplasma, Ureoplasma, BV	Theoretical	1	Prof. Dr. Seyyal ROTA
Vaginal Discharge Sample Examination	Practical	1	Asst. Prof. Dr. Ülker ÇUHACI
Toxoplasma	Theoretical	1	Asst. Prof. Dr. Görkem CENGİZ
Urinary System Infection Agents and Interpretation of Cultures	Theoretical	1	Prof. Dr. Seyyal ROTA
MEDICAL PATHOLOGY			
Topic	Type	Hours	Faculty Member
Pathology of Pituitary and Pineal Glands	Theoretical	1	Prof. Dr. Haldun UMUDUM
Thyroid Pathology: Non-Neoplastic Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Thyroid Pathology: Neoplastic Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Pathology of Parathyroid and MEN Syndromes	Theoretical	1	Prof. Dr. Haldun UMUDUM
Diseases of Endocrine Pancreas	Theoretical	2	Prof. Dr. Haldun UMUDUM
Adrenal Glands Pathology	Theoretical	2	Prof. Dr. Haldun UMUDUM
Breast Diseases	Theoretical	2	Prof. Dr. Haldun UMUDUM
Pathology of Vulva and Vagina Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Cervical Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Pathology of Ovarian Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Pathology of Pregnancy Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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Uterus and Uterine Tube Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Sexually Transmitted Diseases: Syphilis	Theoretical	1	Prof. Dr. Haldun UMUDUM
Glomerular Diseases of the Kidney	Theoretical	2	Prof. Dr. Haldun UMUDUM
Vascular Diseases of the Kidney	Theoretical	1	Prof. Dr. Haldun UMUDUM
Congenital and Developmental Anomalies; Cystic Diseases of the Kidney	Theoretical	1	Prof. Dr. Haldun UMUDUM
Pathology of Kidney Neoplasms	Theoretical	1	Prof. Dr. Haldun UMUDUM
Renal Tubular and Interstitial Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Pathology of Ureter, Bladder and Urethral Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Prostate Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Pathology of Diseases of Penis, Scrotum, Testicle and Epididymis	Theoretical	1	Prof. Dr. Haldun UMUDUM
MEDICAL HISTORY AND ETHICS			
Topic	Type	Hours	Faculty Member
Ethical Issues at the Beginning of Life	Theoretical	1	Assoc. Dr. Vedat YILDIRIM
Ethical Issues at the End of Life	Theoretical	1	Assoc. Dr. Vedat YILDIRIM
Clinical Ethics	Theoretical	2	Assoc. Dr. Vedat YILDIRIM
Ethical Case Discussion	Theoretical	2	Assoc. Dr. Vedat YILDIRIM
Organ Transplantation and Ethical Issues	Theoretical	1	Assoc. Dr. Vedat YILDIRIM
UROLOGY			
Topic	Type	Hours	Faculty Member
Kidney Cysts and Tumors	Theoretical	2	Dr. Ahmet YILDIZ
Urinary Tract Tumors and Tumor Markers	Theoretical	1	Dr. Ahmet YILDIZ
Bladder Diseases and Tumors	Theoretical	1	Dr. Ahmet YILDIZ
Urinary Obstruction and Stone Diseases	Theoretical	1	Dr. Ahmet YILDIZ
Prostate Diseases and Tumors	Theoretical	1	Dr. Ahmet YILDIZ
Testicular and Epididymal Diseases	Theoretical	1	Dr. Ahmet YILDIZ

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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SENSES AND NERVOUS/MUSCLES/SKELETAL SYSTEM DISEASES COMMITTEE
PHASE III – COURSE VI
COURSE CODE: MED 3060

COURSE CODE	COURSE TITLE		THEORETICAL HOURS	PRACTICAL HOURS	TOTAL HOURS
MED 3060	Coordinatorship Courses	Committee Exam	1	0	1
		Committee Introduction	1	0	1
	Anesthesia and Reanimation		1	-	1
	Child Health and Diseases		3	-	3
	Dermatology		3	-	3
	Ear Nose Throat Diseases		2	-	2
	Eye Diseases		1	-	1
	Internal Diseases- Neurology		9	-	9
	Internal Diseases- Psychiatry		9	-	9
	Medical Biochemistry		3	-	3
	Medical Genetics		5	-	5
	Medical Pharmacology		26	-	26
	Medical Microbiology		11	1	12
	Medical Pathology		24	-	24
	Nuclear Medicine		2	-	2
	Orthopedics and Traumatology		4	-	4
	Physical Therapy and Rehabilitation		9	-	9
	Plastic and Reconstructive Surgery		3	-	3
	Public Health		6	-	6
	Radiology		4	-	4
	TOTAL		125	1	126

COMMITTEE AIM AND LEARNING OBJECTIVES

Aim:

Bu kurulun sonunda öğrencilerin; duyu, sinir, kas ve iskelet sistemlerinin yapı ve işlevlerini bütüncül bir yaklaşımla ele alarak, bu sistemlerde ortaya çıkan hastalıkların fizyopatolojisini, klinik belirtilerini, fizik muayene bulgularını, laboratuvar ve görüntüleme yöntemlerini kavramaları; normal ve patolojik süreçler arasındaki ilişkiyi değerlendirerek tanı ve tedavi yaklaşımlarının temelini oluşturan bilgilerin önemini fark etmeleri; ayrıca hekim ve hasta hakları, mesleki etik ilkeler ve etikle ilişkili özel durumlara yönelik farkındalık kazanmaları ve klinik etik vakaları tartışarak çözüm önerileri geliştirebilmeleri amaçlanmaktadır.

Learning Objectives:

1. Explains the pharmacology and clinical applications of anesthetics.
2. Describes anesthesia applications in central nervous system and surgical cases.
3. Classifies anesthesia complications.

Hazırlayan TIP Fakültesi Birim Kalite Komisyonu	Kontrol Eden Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Onaylayan Kalite Koordinatörlüğü
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4. Describes appropriate anesthesia management in clinical cases.
5. Pays attention to patient safety and ethical principles.
6. Explains skin structure, functions, and inflammatory dermatoses.
7. Describes diagnostic methods for elementary lesions and skin diseases.
8. Classifies bullous, pigmented, and tumoral skin lesions.
9. Explains appropriate diagnosis and treatment for dermatological cases.
10. Demonstrates patient confidentiality and ethical approach.
11. Explains conditions confused with febrile convulsions and seizures.
12. Describes the clinical features of neurocutaneous diseases.
13. Classifies pediatric neurological cases.
14. Describes the appropriate clinical approach in pediatric cases.
15. Demonstrates an ethical approach focused on child health and family.
16. Explains the pathophysiology of osteoarthritis, rheumatic, and inflammatory spine diseases.
17. Identifies musculoskeletal pain and movement limitations.
18. Classifies fibromyalgia, crystal arthropathy, and soft tissue rheumatism.
19. Explains clinical rehabilitation and physical therapy practices.
20. Emphasizes an ethical and safe approach to improving the patient's functional capacity.
21. Explains the pathophysiology and clinical symptoms of visual impairments.
22. Defines and classifies eye diseases.
23. Lists the basic diagnostic methods for visual impairments.
24. Explains eye examination and diagnostic methods in clinical cases.
25. Emphasizes ethics and patient safety in vision health.
26. Explains the importance and relationship between public mental health and addiction.
27. Lists common addictions in Turkey.
28. Lists and explains the measures to be taken to prevent addiction.
29. Explains violence against women and its individual and social consequences.
30. Lists and explains the measures to be taken to prevent violence against women.
31. Explains the health benefits of physical activity.
32. Lists appropriate physical activity methods for youth and adults.
33. Lists appropriate physical activity methods for the elderly.
34. Lists the major musculoskeletal diseases in Turkey.
35. Lists the etiological causes of major musculoskeletal diseases in Turkey.
36. Demonstrates physical exercise methods that can be performed at home and in the office by practicing them.
37. Embraces the importance of physical activity for individual and social health.
38. Explains neurological examination and headache assessment.
39. Defines peripheral nervous system and movement disorders.
40. Classifies sensory disorders and cerebrovascular diseases.
41. Performs neurological assessments appropriate to clinical cases.
42. Demonstrates patient safety and ethical approaches.
43. Explains the biochemical and psychodynamic basis of psychiatric disorders.
44. Defines anxiety, obsessive-compulsive, stress-related, and trauma-related disorders.
45. Classifies mood, sleep, and substance use disorders.
46. Describes psychiatric assessment and treatment planning.

Hazırlayan	Kontrol Eden	Onaylayan
TIP Fakültesi Birim Kalite Komisyonu	Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Kalite Koordinatörlüğü

47. Demonstrates sensitivity to patient confidentiality and ethical approaches.
48. Explains the pathophysiology of auditory and vestibular system disorders.
49. Defines ear and balance system disorders.
50. Classifies hearing and balance disorders.
51. Demonstrates patient communication and ethical approaches.
52. Explains general orthopedic examination and pediatric orthopedic problems.
53. Defines hip dislocations, fractures, and their complications.
54. Classifies orthopedic diseases and lists diagnostic criteria.
55. Describes examination and diagnostic methods in orthopedic cases.
56. Emphasizes patient safety and ethical approach.
57. Explains the pathophysiology of burns, wound healing, and grafts.
58. Describes skin tumors and surgical approaches.
59. Classifies soft tissue and skin diseases.
60. Explains the principles of nuclear medicine in central nervous and musculoskeletal system diseases.
61. Describes imaging and treatment approaches.
62. Classifies the use of radiation for diagnostic and therapeutic purposes.
63. Emphasizes radiation safety and ethical principles.
64. Explains CNS and musculoskeletal imaging methods.
65. Identifies pathological findings with MRI, CT, ultrasound, and X-ray.
66. Correlates imaging findings with the clinical picture.
67. Apply clinical judgment based on radiological data.
68. Maintains patient safety and radiation safety principles.
69. Explains the basic principles of biochemical analysis of cerebrospinal fluid (CSF) and its role in neurological diseases.
70. Describes biochemical diagnostic tests used in muscle, bone, and joint diseases and explains their clinical significance.
71. Explains the genetic basis of neurodegenerative and neuromuscular diseases.
72. Lists genetically transmitted skin diseases and related genes.
73. Evaluates skeletal dysplasias from a genetic perspective.
74. Relates clinical presentations to genetic mechanisms and diagnostic methods.
75. Develops an ethical and empathetic attitude towards genetic diversity and diseases.
76. Explains central nervous system medications, analgesics, antidepressants, antipsychotics, and antirheumatic drugs.
77. Identifies local and general anesthetics, muscle relaxants, and drugs that act on the neuromuscular junction.
78. Classifies drugs used for addictive and ectoparasite infections.
79. Demonstrates sensitivity to patient safety and ethical approaches in medication use.
80. Explains infectious diseases of the nervous system and their causative microorganisms.
81. Summarizes the major causes of musculoskeletal infections (osteomyelitis, septic arthritis, etc.).
82. Recognizes the microbiological aspects of sensory organ infections (eye, ear).
83. Identifies microbial causes of implant/prosthesis-related musculoskeletal infections.
84. Relates clinical cases with their microbial causes.

Hazırlayan	Kontrol Eden	Onaylayan
TIP Fakültesi Birim Kalite Komisyonu	Fakülte Sekreteri (Dr. Öğretim Üyesi Görkem CENGİZ)	Kalite Koordinatörlüğü

85. Recognizes basic laboratory diagnostic methods (sampling, culture, staining).
86. Evaluate sensory organ infections through case scenarios.
87. Appreciates the importance of early diagnosis in nervous, muscle, and skeletal infections.
88. Internalizes the critical role of asepsis–antisepsis in surgical and orthopedic practices.
89. Values multidisciplinary collaboration in diagnosis and treatment.
90. Explains the etiopathogenesis, morphological, and clinical features of central nervous system diseases.
91. Explains the etiopathogenesis, morphological, and clinical features of central nervous system infections.
92. Explains the etiopathogenesis, morphological, and clinical features of primary myelin diseases and acquired metabolic toxic disorders.
93. Describes the etiopathogenesis, morphological, and clinical features of neurodegenerative diseases.
94. Explains the etiopathogenesis, morphological, and clinical features of central nervous system tumors.
95. Explains the etiopathogenesis, morphological, and clinical features of peripheral nervous system diseases.
96. Explains the etiopathogenesis, morphological, and clinical features of developmental and acquired disorders of bone and cartilage.
97. Explains the etiopathogenesis, morphological, and clinical features of bone metabolic diseases, fractures and fracture healing, osteonecrosis, and osteomyelitis.
98. Explains the etiopathogenesis, morphological, and clinical features of bone tumors and tumor-like lesions.
99. Explains the etiopathogenesis, morphological, and clinical features of joint diseases.
100. Explains the etiopathogenesis, morphological, and clinical features of soft tissue tumors.
101. Explains the etiopathogenesis, morphological, and clinical features of muscle diseases.
102. Describes general information about skin diseases.
103. Explains the etiopathogenesis, morphological, and clinical features of inflammatory dermatoses.
104. Describes the etiopathogenesis, morphological, and clinical features of bullous diseases.
105. Describes the etiopathogenesis, morphological, and clinical features of diseases of the epidermal appendages, panniculitis, and infections.
106. Explains the etiopathogenesis, morphological, and clinical features of pigmented and melanocytic lesions of the skin.
107. Describes the etiopathogenesis, morphological, and clinical features of skin tumors.

SUBJECTS

ANESTHESIA AND REANIMATION			
Topic	Type	Hours	Faculty Member
Anesthetics and Their Clinical Use	Theoretical	1	Prof. Dr. Ünase BÜYÜKKOÇAK
DERMATOLOGY			
Topic	Type	Hours	Faculty Member
Structure and Functions of the Skin	Theoretical	1	Asst. Prof. Dr. Hakan ARSLAN

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Diagnosis and Diagnostic Methods in Skin Diseases	Theoretical	1	Asst. Prof. Dr. Hakan ARSLAN
Elementary Lesions of the Skin	Theoretical	1	Asst. Prof. Dr. Hakan ARSLAN

CHILD HEALTH AND DISEASES

Topic	Type	Hours	Faculty Member
Conditions Confused with Seizure	Theoretical	1	Prof. Dr. F. Müjgan SÖNMEZ
Febrile Convulsion	Theoretical	1	Prof. Dr. F. Müjgan SÖNMEZ
Neurocutaneous Diseases	Theoretical	1	Prof. Dr. F. Müjgan SÖNMEZ

PHYSICAL THERAPY AND REHABILITATION

Topic	Type	Hours	Faculty Member
General Approach to Chronic Pain and Musculoskeletal Pain	Theoretical	1	Dr. Hicran DEMİR UŞAN
Bone Health and Osteoporosis	Theoretical	1	Dr. Hicran DEMİR UŞAN
Hip Pain	Theoretical	1	Prof. Dr. Deniz EVCİK
Classification of Rheumatic Diseases and Rheumatoid Arthritis	Theoretical	1	Prof. Dr. Deniz EVCİK
Osteoarthritis and Its Etiopathogenesis	Theoretical	1	Prof. Dr. Kıymet İkbâl BAKAL
Crystal Arthropathies	Theoretical	1	Prof. Dr. Kıymet İkbâl BAKAL
Shoulder Pain and Limited Movement	Theoretical	1	Prof. Dr. Kıymet İkbâl BAKAL
Disc Herniations	Theoretical	1	Dr. Hicran DEMİR UŞAN
Fibromyalgia and Soft Tissue Rheumatism	Theoretical	1	Dr. Hicran DEMİR UŞAN

EYE DISEASES

Topic	Type	Hours	Faculty Member
Visual Disorders	Theoretical	1	Prof. Dr. Altuğ ÇETİNKAYA

PUBLIC HEALTH

Topic	Type	Hours	Faculty Member
Social Mental Health and Addiction	Theoretical	2	Dr. Selin SAĞLAM PINAR
Violence Against Women	Theoretical	1	Dr. Selin SAĞLAM PINAR
Physical Activity	Theoretical	2	Dr. Selin SAĞLAM PINAR
Epidemiology of Musculoskeletal Diseases	Theoretical	2	Dr. Yavuzalp SOLAK

NEUROLOGY

Topic	Type	Hours	Faculty Member
Neurological Examination	Theoretical	1	Prof. Dr. Ömer ANLAR
Headache	Theoretical	1	Prof. Dr. Ömer ANLAR
Pain Pathways and Mechanisms	Theoretical	1	Asst. Prof. Dr. Özlem AKSOY ÖZMENEK
Peripheral Nervous System and Disorders	Theoretical	1	Asst. Prof. Dr. Özlem AKSOY ÖZMENEK
Movement Disorders	Theoretical	1	Asst. Prof. Dr. Özlem AKSOY ÖZMENEK
Balance System and Disorders	Theoretical	1	Asst. Prof. Dr. Fahrettin EGE
Sensory Disorder	Theoretical	1	Asst. Prof. Dr. Fahrettin EGE

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Epilepsy	Theoretical	1	Asst. Prof. Dr. Aslıhan BARAN
Cerebrovascular Diseases	Theoretical	1	Asst. Prof. Dr. Aslıhan BARAN
PSYCHIATRY			
Topic	Type	Hours	Faculty Member
Biochemical and Psychodynamic Basis of Behavior / Cognitive Disorders	Theoretical	1	Prof. Dr. Ali BOZKURT
Symptoms in Psychiatric Diseases	Theoretical	1	Assoc. Prof. Fatih YIĞMAN
Anxiety Disorders	Theoretical	1	Assoc. Prof. Fatih YIĞMAN
Obsessive Compulsive Disorders and Related Disorders	Theoretical	1	Assoc. Prof. Fatih YIĞMAN
Trauma and Stress-Related Disorders	Theoretical	1	Assoc. Prof. Fatih YIĞMAN
Mood and Sexual Dysfunctions	Theoretical	1	Prof. Dr. Ali BOZKURT
Sleep Disorders-Somatic Symptom Disorders	Theoretical	1	Prof. Dr. Ali BOZKURT
Alcohol/Substance Use Disorder	Theoretical	1	Assoc. Prof. Fatih YIĞMAN
Schizophrenia Spectrum and Other Psychotic Disorders	Theoretical	1	Prof. Dr. Ali BOZKURT
EAR NOSE THROAT			
Topic	Type	Hours	Faculty Member
Hearing Disorders	Theoretical	1	Dr. Kaan İpçi
Vestibular System Disorders	Theoretical	1	Dr. Kaan İpçi
ORTHOPEDICS			
Topic	Type	Hours	Faculty Member
General Orthopedic Examination	Theoretical	1	Asst. Prof. Dr. Mehmet Baran USLU
Orthopedic Problems and Approach	Theoretical	1	Assoc. Prof. Dr. Niyazi ERCAN
Developmental Hip Dislocation	Theoretical	1	Assoc. Prof. Dr. Niyazi ERCAN
Fracture, Fracture Healing and Complications	Theoretical	1	Assoc. Prof. Dr. Tuğrul YILDIRIM
PLASTIC SURGERY			
Topic	Type	Hours	Faculty Member
Burns and Approach to Burns	Theoretical	1	Assoc. Dr. Koray GÜRSOY
Wound Healing and Grafts	Theoretical	1	Assoc. Dr. Koray GÜRSOY
Skin Tumors	Theoretical	1	Assoc. Dr. Koray GÜRSOY
NUCLEAR MEDICINE			
Topic	Type	Hours	Faculty Member
Introduction to Clinical Sciences	Theoretical	2	Asst. Prof. Dr. Hüseyin Emre TOSUN
RADIOLOGY			
Topic	Type	Hours	Faculty Member
Central Nervous System Imaging Methods	Theoretical	2	Prof. Dr. Dilek OĞUZ KÖSEHAN
Imaging Methods in Musculoskeletal System Diseases	Theoretical	2	Prof. Dr. Dilek OĞUZ KÖSEHAN
MEDICAL BIOCHEMISTRY			
Topic	Type	Hours	Faculty Member

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CSF Analysis	Theoretical	1	Prof. Dr. Ayşegül AKBAY
Biochemical Tests in Muscle, Skeletal and Joint Diseases	Theoretical	2	Prof. Dr. Simin ROTA
MEDICAL GENETICS			
Topic	Type	Hours	Faculty Member
Genetic Approach to Neurological Diseases	Theoretical	2	Dr. Eyyüp ÜÇTEPE
NöroGenetics of Neurodegenerative and Neuromuscular Diseases	Theoretical	1	Dr. Eyyüp ÜÇTEPE
Genetics of Skin Diseases	Theoretical	1	Dr. Eyyüp ÜÇTEPE
Genetic Basis of Skeletal Dysplasias	Theoretical	1	Dr. Eyyüp ÜÇTEPE
MEDICAL MICROBIOLOGY			
Topic	Type	Hours	Faculty Member
CNS Infection Pathogens	Theoretical	1	Prof. Dr. Seyyal ROTA
Clostridium Species	Theoretical	2	Prof. Dr. Seyyal ROTA
Meningococci	Theoretical	1	Prof. Dr. Seyyal ROTA
Poliovirus	Theoretical	1	Prof. Dr. Seyyal ROTA
Rabies Virus	Theoretical	1	Prof. Dr. Seyyal ROTA
Slow Virus and Prion Infections	Theoretical	1	Prof. Dr. Seyyal ROTA
Parasitic Infection Agents of the Skin	Theoretical	1	Asst. Prof. Dr. Görkem CENGİZ
Fungal Infections of the Skin; Dermatophytes	Theoretical	1	Prof. Dr. Seyyal ROTA
Superficial Mycoses of the Skin	Theoretical	1	Prof. Dr. Seyyal ROTA
Subcutaneous Mycoses	Theoretical	1	Prof. Dr. Seyyal ROTA
Causative Agents of Superficial Fungal Infections	Practical	1	Asst. Prof. Dr. Ülker ÇUHACI
MEDICAL PHARMACOLOGY			
Topic	Type	Hours	Faculty Member
Introduction to Central Nervous System Pharmacology	Theoretical	1	Prof. Dr. Zühal AKTUNA
Narcotic Analgesics	Theoretical	2	Prof. Dr. Zühal AKTUNA
Hypno-Sedatives	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Hallucinogens and Drug Dependence	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Antidepressants	Theoretical	2	Prof. Dr. Zühal AKTUNA
Alcohol Pharmacology	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
CNS Stimulants	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU
Parkinson's Treatment	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Treatment of Alzheimer's and Other Neurodegenerative Diseases	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Antipsychotics	Theoretical	2	Asst. Prof. Dr. Melis DÜLGEROĞLU

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Antiepileptics	Theoretical	2	Prof. Dr. Zühal AKTUNA
Disease-Modifying Antirheumatic Drugs	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Local Anesthetics	Theoretical	1	Prof. Dr. Zühal AKTUNA
General Anesthetics	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Analgesic-Anti-inflammatory-Antipyretic Drugs	Theoretical	2	Prof. Dr. Zühal AKTUNA
Centrally Acting Muscle Relaxants	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Drugs Acting on the Neuromuscular Junction	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU
Drugs Used in Ectoparasite Infections	Theoretical	1	Asst. Prof. Dr. Melis DÜLGEROĞLU

MEDICAL PATHOLOGY			
Topic	Type	Hours	Faculty Member
Central Nervous System Diseases	Theoretical	4	Prof. Dr. Haldun UMUDUM
Central Nervous System Infections	Theoretical	2	Prof. Dr. Haldun UMUDUM
Primary Myelin Diseases and Acquired Metabolic, Toxic Disorders	Theoretical	1	Prof. Dr. Haldun UMUDUM
Neurodegenerative Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Central Nervous System Tumors	Theoretical	1	Prof. Dr. Haldun UMUDUM
Peripheral Nervous System Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Developmental and Acquired Disorders of Bone and Cartilage	Theoretical	1	Prof. Dr. Haldun UMUDUM
Metabolic Diseases of Bone: Fractures and Fracture Healing; Osteonecrosis and Osteomyelitis	Theoretical	1	Prof. Dr. Haldun UMUDUM
Pathology of Joints	Theoretical	2	Prof. Dr. Haldun UMUDUM
Tumors and Tumor-like Lesions of Bone	Theoretical	2	Prof. Dr. Haldun UMUDUM
Pathology of Soft Tissue Tumors	Theoretical	1	Prof. Dr. Haldun UMUDUM
Muscle Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Introduction to Skin Diseases, and Inflammatory Dermatoses	Theoretical	1	Prof. Dr. Haldun UMUDUM
Diseases of Epidermal Appendages and Panniculitis, Infections	Theoretical	1	Prof. Dr. Haldun UMUDUM
Bullous Diseases	Theoretical	1	Prof. Dr. Haldun UMUDUM
Pigmented and Melanocytic Lesions of the Skin	Theoretical	1	Prof. Dr. Haldun UMUDUM
Skin Tumors	Theoretical	2	Prof. Dr. Haldun UMUDUM

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