

GAZI UNIVERSITY FACULTY OF MEDICINE
2023-2024 EDUCATIONAL YEAR
YEAR II
CELL- TISSUE INJURY AND BASICS OF THE PHARMACOLOGY COMMITTEE
(29 April - 30 May 2024)

COURSES	THEORETICAL	LABORATORY	PRACTICAL	TOTAL
Medical Pharmacology	36	-	-	36
Medical Pathology	18	-	-	18
Immunology	20	-	-	20
Nuclear Medicine	4	-	-	4
Radiology	3	-	-	3
Medical Biochemistry	2	-	-	2
TOTAL	83	-	-	83
Elective Courses	10	-	-	10
Medical English	10	-	-	10
Analysis of 3rd Committee Exam and Feedback	1	-	-	1
INTRODUCTION TO MEDICINE		-	-	-
Evidence Based Medicine	2	-	-	2
Clinical Skills Education (CSE)	-	-	2	2
TOTAL	106	-	2	106
TOTAL FREE STUDY TIME	50 hours			

23 work day

Free study time definition: Individual studying courses intended for learning in accordance with the present committee

09.05.2024	Thursday	Progress Exam
16.05.2024	Thursday	Student Symposium
15.05.2024	Wednesday	Clinical Skills Education Exam
30.05.2024	Thursday	Cell- Tissue Injury And Basics Of The Pharmacology Committee Exam+ Evidence Based Medicine Exam

Dean	Prof. Dr. Alper CEYLAN
Vice Dean	Assoc. Prof. Asiye UĞRAŞ DİKMEN
Vice Dean	Assoc. Prof. Nazmi Mutlu KARAKAŞ
Head Coordinator	Prof. Dr. Çiğdem ÖZER
Assistant Head Coordinator	Prof. Dr. Mehmet Ali ERGÜN
Assistant Head Coordinator	Prof. Dr. Akif Muhtar ÖZTÜRK
Year II Coordinator	Assist. Prof. Dr. Süheyla Esra ÖZKOÇER
Assistant Year II Coordinator	Assist. Prof. Dr. Zeynep YİGMAN
Assistant Year II Coordinator	Teach. Assist. Dr. Pelin TÜRKKAN
Assistant Year II Coordinator	Teach. Assist. Dr. Nihan ÖRÜKLÜ
Assistant Year II Coordinator	Teach. Assist. Dr. Ayşe SOYLU

MEMBERS OF COMMITTEE

MEDICAL PATHOLOGY	MEDICAL PHARMACOLOGY	IMMUNOLOGY
Dr. Emine ŞAMDANCI	Dr. Canan ULUOĞLU	Dr. Vedat BULUT
Dr. Güldal ESENDAĞLI	Dr. Çimen KARASU	Dr. Resul KARAKUŞ
Dr.Pınar UYAR GÖÇÜN	Dr. Süreyya BARUN	Dr. E. Ümit BAĞRIAÇIK
Dr. Betül ÖĞÜT	Dr. Ergin DİLEKÖZ	Dr.Ayşegül ATAK YÜCEL
		Dr. Nihan ÖRÜKLÜ
NUCLEAR MEDICINE	RADYOLOGY	MEDICAL BIOCHEMISTRY
Dr. Neşe ILGIN KARABACAK	Dr. Erhan ILGIT	Dr. Cengiz KARAKAYA
Dr. Ü. Özgür AKDEMİR	Dr. Halit ŞENDUR	

Clinical Skill Education	Prof. Dr. Nurten İNAN
Evidence Based Medicine	Prof. Dr. Mehmet Ali ERGUN
Elective Course Coordinator	Assoc. Prof. Dr. Ergin DİLEKÖZ

CELL AND TISSUE DAMAGE AND THE BASICS OF PHARMACOLOGY COMMITTEE

Objective

To help explain cell and tissue damage stages and pathogenetic mechanisms, types of inflammation, (hemodynamic) disturbances in blood flow or fluid balance in the pathogenesis of many diseases leading to death and pathogenesis of diseases related to the immune system. To describe the working order of the immune system in pathological events, pharmacokinetics and pharmacodynamics of drugs, factors affecting drug effect, drug adverse effects and intoxications, herbal drugs, drugs acting on the immune system, trace elements and vitamins, pharmacogenetics, new drug development and otakoids, radioactivity, biological effects of radiation, measurement of radiation, imaging with radiopharmaceuticals. To learn oxidant stress and leukocyte biochemistry. To describe systemic and autoimmune vasculitis

LEARNING OBJECTIVES

Knowledge

LO-200-5-1 Should be able to explain the pathological mechanisms and consequences of cell and tissue damage

LO-200-5-2 Should be able to define types of inflammation, developmental patterns and morphological patterns

LO-200-5-3 Should be able to explain the mechanisms of immune diseases

LO-200-5-4 Should be able to describe the role of immune cells and their role in immune defense

LO-200-5-5 Should be able to define general concepts of pharmacology

LO-200-5-6 Should be able to explain the concepts related to drug pharmacokinetics and pharmacodynamics

LO-200-5-7 Should be able to explain how metabolism and effects of drugs change between individuals / ethnic groups due to genetic differences, explain the steps of new drug development process and explain their mechanisms

LO-200-5-8 Should be able to define autocoids.

LO-200-5-9 Should be able to explain radioactivity, types of radiation used in medicine and basic concepts related to the subject

LO-200-5-10 Should be able to comprehend the interaction of radiation with biological systems and radiation protection principles

LO-200-5-11 Should be able to describe radiopharmaceuticals and their mechanisms of involvement

LO-200-5-12 Should be able to define the mechanisms of leukocyte biochemistry and oxidative stress

LO-200-5-13 Should be able to explain the laboratory tests used in rheumatologic diseases and their follow-up

LO-200-5-14 Should be able to explain the mechanism of autoimmune diseases and vasculitis, how to diagnose, follow and treat

Skill

LO-200-5-15 Should be able to define radiological methods and electromagnetic wave spectrum

LO-200-5-16 Should be able to define thrombus, coagulation necrosis and caseification necrosis by microscope

LO-200-5-17 Should be able to suture.

LO-200-5-18 Should be able to perform medical dressing.

Attitude

LO-200-5-19 To recognize the importance of immunology in medicine

LO-200-5-20 To observe the radiological methods associated with almost all disciplines of medicine and to observe different types of energy used during the application of these methods

1st Week	29.04.2024 MONDAY	30.04.2024 TUESDAY	01.05.2024 WEDNESDAY	02.05.2024 THURSDAY	03.05.2024 FRIDAY
08.30-09.20	FREE STUDY TIME	Intracellular accumulations Dr. ŞAMDANCI	PUBLIC HOLIDAY	FREE STUDY TIME	FREE STUDY TIME
09.30-10.20	Leukocyte migration and inflammation Dr. KARAKUŞ	Cellular adaptations Dr. ŞAMDANCI	PUBLIC HOLIDAY	Drug absorption and bioavailability Dr. ULUOĞLU	FREE STUDY TIME
10.30-11.20	Cell injury and its causes Dr. ŞAMDANCI	Pharmacology and general principles of drug action Dr. KARASU	PUBLIC HOLIDAY	Drug absorption and bioavailability Dr. ULUOĞLU	Drug distribution Dr. ULUOĞLU
11.30-12.20	Necrosis, Apoptosis Dr. ŞAMDANCI	Pharmacology and general principles of drug action Dr. KARASU	PUBLIC HOLIDAY	Drug administration routes and properties of pharmaceutical forms Dr. KARASU	Drug biotransformation Dr. ULUOĞLU
13.30-14.20	Other receptors in immune response Dr. ÖRÜKLÜ	Medical English	PUBLIC HOLIDAY	Immunopathological mechanisms in tissue damage Dr. BULUT	Type II Hypersensitivity Dr. BULUT
14.30-15.20	Other receptors in immune response Dr. ÖRÜKLÜ	Medical English	PUBLIC HOLIDAY	Type I Hypersensitivity Dr. BULUT	Type III Hypersensitivity Dr. BULUT
15.30-16.20	Immune regulation Dr. BAĞRIAÇIK	Elective Course	PUBLIC HOLIDAY	Description of inflammation and pathogenesis Dr. ÖĞÜT	FREE STUDY TIME
16.30-17.20	FREE STUDY TIME	Elective Course	PUBLIC HOLIDAY	Inflammation subtypes Dr. ÖĞÜT	FREE STUDY TIME

2nd Week	06.05.2024 MONDAY	07.05.2024 TUESDAY	08.05.2024 WEDNESDAY	09.05.2024 THURSDAY	10.05.2024 FRIDAY
08.30-09.20	FREE STUDY TIME	FREE STUDY TIME	Free radical metabolism and related diseases Dr. KARAKAYA	PROGRESS EXAM	FREE STUDY TIME
09.30-10.20	Type IV Hypersensitivity Dr. BULUT	Imaging modalities and the properties of energies other than X rays Dr. ŞENDUR	Free radical metabolism and related diseases Dr. KARAKAYA	PROGRESS EXAM	FREE STUDY TIME
10.30-11.20	Drug biotransformation Dr. ULUOĞLU	Drug receptor interaction and mechanisms of action Dr. KARASU	Transplantation immunology Dr. BULUT	PROGRESS EXAM	Chronic inflammation Dr. ÖĞÜT
11.30-12.20	Drug elimination Dr. ULUOĞLU	Drug receptor interaction and mechanisms of action Dr. KARASU	Transplantation immunology Dr. BULUT	PROGRESS EXAM	Drug receptor interaction and mechanisms of action Dr. KARASU
13.30-14.20	Immunological tolerance Dr. BAĞRIAÇIK	Medical English	Acute inflammation Dr. ÖĞÜT	Autoimmunity Dr. ATAK YÜCEL	Factors modifying drug effect Dr. DİLEKÖZ
14.30-15.20	Immunological tolerance Dr. BAĞRIAÇIK	Medical English	Acute inflammation Dr. ÖĞÜT	Autoimmunity Dr. ATAK YÜCEL	Factors modifying drug effect Dr. DİLEKÖZ
15.30-16.20	FREE STUDY TIME	Elective Course	FREE STUDY TIME	Autoimmunity Dr. ATAK YÜCEL	FREE STUDY TIME
16.30-17.20	FREE STUDY TIME	Elective Course	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME

3rd Week	13.05.2024 MONDAY	14.05.2024 TUESDAY	15.05.2024 WEDNESDAY	16.05.2024 THURSDAY	YEAR 3 EXAM 17.05.2024 FRIDAY
08.30-09.20	FREE STUDY TIME	CSE (Make Up)	CSE EXAM	STUDENT SYMPOSIUM	FREE STUDY TIME
09.30-10.20	Inflammation and repair Dr. ÖĞÜT	CSE (Make Up)	CSE EXAM	STUDENT SYMPOSIUM	FREE STUDY TIME
10.30-11.20	Immune diseases: Introduction Dr. ÖĞÜT	CSE (Make Up)	CSE EXAM	STUDENT SYMPOSIUM	FREE STUDY TIME
11.30-12.20	Drug toxicity Dr. DİLEKÖZ	CSE (Make Up)	CSE EXAM	STUDENT SYMPOSIUM	FREE STUDY TIME
13.30-14.20	Immunomodulation Dr. BULUT	Medical English	Time-concentration relationship Dr. ULUOĞLU	STUDENT SYMPOSIUM	Immunological techniques Dr. ÖRÜKLÜ
14.30-15.20	Immunomodulation Dr. BULUT	Medical English	Concentration-response relationship Dr. ULUOĞLU	STUDENT SYMPOSIUM	Immunological techniques Dr. ÖRÜKLÜ
15.30-16.20	Pathology of immune diseases Dr. ESENDAĞLI	Elective Course	Concentration-response relationship Dr. ULUOĞLU	STUDENT SYMPOSIUM	FREE STUDY TIME
16.30-17.20	Pathology of immune diseases Dr. ESENDAĞLI	Elective Course	FREE STUDY TIME	STUDENT SYMPOSIUM	FREE STUDY TIME

4th Week	20.05.2024 MONDAY	21.05.2024 TUESDAY	22.05.2024 WEDNESDAY	23.05.2024 THURSDAY	24.05.2024 FRIDAY
08.30-09.20	FREE STUDY TIME	Committee Exam Question Analyze and Feedback Members of the Committee and Coordinators	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
09.30-10.20	Hemodynamic disorders Dr. UYAR GÖÇÜN	Immunomodulators Dr. BARUN	Drug discovery and development Dr. ULUOĞLU	Radiation detection – principles of detection and instrumentation Dr. AKDEMİR	Vasoactive peptides Dr. DİLEKÖZ
10.30-11.20	Hemodynamic disorders Dr. UYAR GÖÇÜN	Principles in treatment of acute toxicity Dr. DİLEKÖZ	Pharmacovigilance Dr. ULUOĞLU	Pharmaceutics, nutroceutics and phytotherapeutics Dr. KARASU	Vasoactive peptides Dr. DİLEKÖZ
11.30-12.20	Heavy metal toxicity Dr. DİLEKÖZ	Histamine, Serotonin and Ergot alkaloids Dr. DİLEKÖZ	Amyloidosis Dr. UYAR GÖÇÜN	Pharmaceutics, nutroceutics and phytotherapeutics Dr. KARASU	Nitric oxide Dr. KARASU
13.30-14.20	Redox regulators, antioxidants and vitamins Dr. KARASU	Medical English	Pathology of immune diseases Dr. ESENDAĞLI	Histamine, Serotonin and Ergot alkaloids Dr. DİLEKÖZ	Ionizing radiation and X-rays Dr. ILGIT
14.30-15.20	Redox regulators, antioxidants and vitamins Dr. KARASU	Medical English	Pathology of immune diseases Dr. ESENDAĞLI	Vasoactive peptides Dr. DİLEKÖZ	Characteristics of X- rays and their diagnostic use in medicine Dr. ILGIT
15.30-16.20	Radiation dosimetry– biological effects of radiation and principles of protection Dr. KARABACAK	Elective Course	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
16.30-17.20	FREE STUDY TIME	Elective Course	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME

5th Week	27.05.2024 MONDAY	28.05.2024 TUESDAY	29.05.2024 WEDNESDAY	30.05.2024 THURSDAY	31.05.2024 FRIDAY
08.30-09.20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	Cell- Tissue Injury And Basics Of The Pharmacology Committee Exam	
09.30-10.20	EBM	The Eicosanoids: Prostaglandins, Thromboxanes, Leukotrienes, Related Compounds Dr. DİLEKÖZ	FREE STUDY TIME	Cell- Tissue Injury And Basics Of The Pharmacology Committee Exam	
10.30-11.20	EBM	The Eicosanoids: Prostaglandins, Thromboxanes, Leukotrienes, Related Compounds Dr. DİLEKÖZ	FREE STUDY TIME	Cell- Tissue Injury And Basics Of The Pharmacology Committee Exam	
11.30-12.20	FREE STUDY TIME	General Approach to Intoxications (Panel)	FREE STUDY TIME	Cell- Tissue Injury And Basics Of The Pharmacology Committee Exam	
13.30-14.20	Radionuclides, Radioactive labelled pharmaceuticals and principles of imaging Dr. AKDEMİR	Medical English	FREE STUDY TIME		
14.30-15.20	Radioactivity, Atomic structure and Interaction of radiation with matter Dr. AKDEMİR	Medical English	FREE STUDY TIME		
15.30-16.20	FREE STUDY TIME	Elective Course	FREE STUDY TIME		
16.30-17.20	FREE STUDY TIME	Elective Course	FREE STUDY TIME		