

GAZI UNIVERSITY FACULTY OF MEDICINE
2022-2023 EDUCATIONAL YEAR
YEAR II
CELL- TISSUE INJURY AND BASICS OF THE PHARMACOLOGY COMMITTEE
(16 April - 02 June 2023)

COURSES	THEORETICAL	LABORATORY	TOTAL
Medical Pharmacology	18	-	18
Medical Pathology	36	-	36
Immunology	20	-	20
Nuclear Medicine	4	-	4
Radiology	3	-	3
Medical Biochemistry	2	-	2
TOTAL	83	-	83
Elective Courses	14		14
Medical English	14		14
TOTAL	113		113

28.04.2023	Friday	Digestive System and Metabolism Committee Exam
12.05.2023	Friday	Endocrine and Urogenital System Committee Exam
02.06.2023	Friday	Cell- Tissue Injury And Basics Of The Pharmacology Committee Exam

Dean	Prof. Dr. Mustafa Necmi İLHAN
Vice Dean	Prof. Dr. İlyas OKUR
Vice Dean	Prof. Dr. Özlem GÜZEL TUNÇCAN
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 YIĞMAN
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	NUCLEAR MEDICINE	RADIOLOGY	MEDICAL BIOCHEMISTRY
Dr. Güldal ESENDAĞLI	Dr. Canan ULUOĞLU	Dr. Vedat BULUT	Dr. Neşe İlgin KARABACAK	Dr. Erhan ILGIT	Dr. Cengiz KARAKAYA
Dr.Pınar UYAR GÖÇÜN	Dr. Çimen KARASU	Dr. Resul KARAKUŞ	Dr. Ü. Özgür AKDEMİR	Dr. Halit ŞENDUR	
Dr. Betül ÖĞÜT	Dr. Süreyya BARUN	Dr. E. Ümit BAĞRIAÇIK			
Dr. M. Arda İNAN	Dr. Ergin DİLEKÖZ	Dr.Ayşegül Atak YÜCEL			
		Dr. Nihan ÖRÜKLÜ			

Elective Course Coordinator	Doç. Dr. Ergin DİLEKÖZ
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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 autocooids.

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 to 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	17.04.2023	18.04.2023	19.04.2023	20.04.2023	21.04.2023
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.30-09.20	Free Study Time	Intracellular accumulations Dr. İNAN	Free Study Time	PUBLIC HOLIDAY	PUBLIC HOLIDAY
09.30-10.20	Leukocyte migration and inflammation Dr. KARAKUŞ	Cellular adaptations Dr. İNAN	Radiation dosimetry– biological effects of radiation and principles of protection Dr. KARABACAK	PUBLIC HOLIDAY	PUBLIC HOLIDAY
10.30-11.20	Other receptors in immune response Dr. ÖRÜKLÜ	Pharmacology and general principles of drug action Dr. KARASU	Immunopathological mechanisms in tissue damage Dr. BULUT	PUBLIC HOLIDAY	PUBLIC HOLIDAY
11.30-12.20	Other receptors in immune response Dr. ÖRÜKLÜ	Pharmacology and general principles of drug action Dr. KARASU	Type I Hypersensitivity Dr. BULUT	PUBLIC HOLIDAY	PUBLIC HOLIDAY
13.30-14.20	Cell injury and its causes Dr. İNAN	Medical English	Radiation detection – principles of detection and instrumentation Dr. AKDEMİR	PUBLIC HOLIDAY	PUBLIC HOLIDAY
14.30-15.20	Necrosis, Apoptosis Dr. İNAN	Medical English	Ionizing radiation and X -rays Dr. ILGIT	PUBLIC HOLIDAY	PUBLIC HOLIDAY
15.30-16.20	Free Study Time	Elective Course	Characteristics of X-rays and their diagnostic use in medicine Dr. ILGIT	PUBLIC HOLIDAY	PUBLIC HOLIDAY
16.30-17.20	Free Study Time	Elective Course	Free Study Time	PUBLIC HOLIDAY	PUBLIC HOLIDAY

2nd Week	24.04.2023	YEAR 3 EXAM 25.04.2023	YEAR 1 EXAM 26.04.2023	27.04.2023	28.04.2023
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.30-09.20	Free radical metabolism and related diseases Dr. KARAKAYA	Free Study Time	Free Study Time	Free Study Time	Digestive System and Metabolism Committee Exam
09.30-10.20	Free radical metabolism and related diseases Dr. KARAKAYA	Free Study Time	Free Study Time	Free Study Time	Digestive System and Metabolism Committee Exam
10.30-11.20	Drug administration routes and properties of pharmaceutical forms Dr. KARASU	Free Study Time	Free Study Time	Free Study Time	Digestive System and Metabolism Committee Exam
11.30-12.20	Drug receptor interaction and mechanisms of action Dr. KARASU	Free Study Time	Free Study Time	Free Study Time	Digestive System and Metabolism Committee Exam
13.30-14.20	Type II Hypersensitivity Dr. BULUT	Medical English	Drug absorption and bioavailability Dr. ULUOĞLU	Free Study Time	Free Study Time
14.30-15.20	Type III Hypersensitivity Dr. BULUT	Medical English	Drug absorption and bioavailability Dr. ULUOĞLU	Free Study Time	Free Study Time
15.30-16.20	Free Study Time	Elective Course	Imaging modalities and the properties of energies other than X rays Dr. ŞENDUR	Free Study Time	Free Study Time
16.30-17.20	Free Study Time	Elective Course	Free Study Time	Free Study Time	Free Study Time

3rd Week	1.05.2023	2.05.2023	3.05.2023	4.05.2023	YEAR 3 EXAM 5.05.2023
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.30-09.20	PUBLIC HOLIDAY	Description of inflammation and pathogenesis Dr. ÖĞÜT	Free Study Time	Free Study Time	Free Study Time
09.30-10.20	PUBLIC HOLIDAY	Inflammation subtypes Dr. ÖĞÜT	Type IV Hypersensitivity Dr. BULUT	Free Study Time	Free Study Time
10.30-11.20	PUBLIC HOLIDAY	Drug receptor interaction and mechanisms of action Dr. KARASU	Acute inflammation Dr. ÖĞÜT	Drug distribution Dr. ULUOĞLU	Free Study Time
11.30-12.20	PUBLIC HOLIDAY	Drug receptor interaction and mechanisms of action Dr. KARASU	Acute inflammation Dr. ÖĞÜT	Drug biotransformation Dr. ULUOĞLU	Free Study Time
13.30-14.20	PUBLIC HOLIDAY	Medical English	Free Study Time	Transplantation immunology Dr. BULUT	Committee Exam Question Analyze and Feedback Members of the Committee and Coordinators
14.30-15.20	PUBLIC HOLIDAY	Medical English	Free Study Time	Transplantation immunology Dr. BULUT	Chronic inflammation Dr. ÖĞÜT
15.30-16.20	PUBLIC HOLIDAY	Elective Course	Free Study Time	Free Study Time	Free Study Time
16.30-17.20	PUBLIC HOLIDAY	Elective Course	Free Study Time	Free Study Time	Free Study Time

4th Week	8.05.2023	9.05.2023	10.05.2023	11.05.2023	12.05.2023
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.30-09.20	Free Study Time	Inflammation and repair Dr. ÖĞÜT	Free Study Time	Progress exam	Endocrine and Urogenital System Committee Exam
09.30-10.20	Drug biotransformation Dr. ULUOĞLU	Immune diseases: Introduction Dr. ÖĞÜT	Free Study Time	Progress exam	Endocrine and Urogenital System Committee Exam
10.30-11.20	Drug elimination Dr. ULUOĞLU	Time-concentration relationship Dr. ULUOĞLU	Free Study Time	Progress exam	Endocrine and Urogenital System Committee Exam
11.30-12.20	Autoimmunity Dr. ATAK YÜCEL	Concentration-response relationship Dr. ULUOĞLU	Free Study Time	Progress exam	Endocrine and Urogenital System Committee Exam
13.30-14.20	Autoimmunity Dr. ATAK YÜCEL	Medical English	Free Study Time	Free Study Time	Free Study Time
14.30-15.20	Radionuclides, Radioactive labelled pharmaceuticals and principles of imaging Dr. AKDEMİR	Medical English	Free Study Time	Free Study Time	Free Study Time
15.30-16.20	Radioactivity, Atomic structure and Interaction of radiation with matter Dr. AKDEMİR	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	15.05.2023	YEAR 1 EXAM 16.05.2023	17.05.2023	YEAR 3 EXAM 18.05.2023	19.05.2023
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.30-09.20	Free Study Time	Free Study Time	Pathology of immune diseases Dr. ESENDAĞLI	Free Study Time	PUBLIC HOLIDAY
09.30-10.20	Factors modifying drug effect Dr. DİLEKÖZ	Free Study Time	Pathology of immune diseases Dr. ESENDAĞLI	Free Study Time	PUBLIC HOLIDAY
10.30-11.20	Factors modifying drug effect Dr. DİLEKÖZ	Free Study Time	Immunomodulation Dr. BULUT	Free Study Time	PUBLIC HOLIDAY
11.30-12.20	Autoimmunity Dr. ATAK YÜCEL	Free Study Time	Immunomodulation Dr. BULUT	Free Study Time	PUBLIC HOLIDAY
13.30-14.20	Pathology of immune diseases Dr. ESENDAĞLI	Medical English	Amyloidosis Dr. UYAR GÖÇÜN	Pharmacovigilans Dr. ULUOĞLU	PUBLIC HOLIDAY
14.30-15.20	Pathology of immune diseases Dr. ESENDAĞLI	Medical English	Immunological techniques Dr. ÖRÜKLÜ	Concentration-response relationship Dr. ULUOĞLU	PUBLIC HOLIDAY
15.30-16.20	Committee Exam Question Analyze and Feedback Members of the Committee and Coordinators	Elective Course	Immunological techniques Dr. ÖRÜKLÜ	Drug toxicity Dr. DİLEKÖZ	PUBLIC HOLIDAY
16.30-17.20	Free Study Time	Elective Course	Free Study Time	Free Study Time	PUBLIC HOLIDAY

6th Week	22.05.2023	23.05.2023	24.05.2023	25.05.2023	26.05.2023
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.30-09.20	Free Study Time	Free Study Time	Free Study Time	Free Study Time	Free Study Time
09.30-10.20	Heavy metal toxicity Dr. DİLEKÖZ	Immun regulation Dr. BAĞRIAÇIK	Free Study Time	Free Study Time	Nitric oxide Dr. KARASU
10.30-11.20	Principles in treatment of acute toxicity Dr. DİLEKÖZ	Redox regulators, antioxidants and vitamins Dr. KARASU	Histamine, Serotonin and Ergot alkaloids Dr. DİLEKÖZ	Pharmaceutics, nutroceutics and phytotherapeutics Dr. KARASU	Vasoactive peptides Dr. DİLEKÖZ
11.30-12.20	Drug discovery and development Dr. ULUOĞLU	Redox regulators, antioxidants and vitamins Dr. KARASU	Histamine, Serotonin and Ergot alkaloids Dr. DİLEKÖZ	Pharmaceutics, nutroceutics and phytotherapeutics Dr. KARASU	Vasoactive peptides Dr. DİLEKÖZ
13.30-14.20	Immunomodulators Dr. BARUN	Medical English	Immunological tolerance Dr. BAĞRIAÇIK	Vasoactive peptides Dr. DİLEKÖZ	Free Study Time
14.30-15.20	Hemodynamic disorders Dr. UYAR GÖÇÜN	Medical English	Immunological tolerance Dr. BAĞRIAÇIK	Free Study Time	Free Study Time
15.30-16.20	Hemodynamic disorders Dr. UYAR GÖÇÜN	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

	29.05.2023	30.05.2023	31.05.2023	1.06.2023	2.06.2023
7th Week	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
08.30-09.20	Free Study Time	Free Study Time	Free Study Time	Free Study Time	Cell- Tissue Injury And Basics Of The Pharmacology Committee Exam
09.30-10.20	General Approach to Intoxications (Panel)	Free Study Time	Free Study Time	Free Study Time	Cell- Tissue Injury And Basics Of The Pharmacology Committee Exam
10.30-11.20	The Eicosanoids: Prostaglandins, Thromboxanes, Leukotrienes, Related Compounds Dr. DİLEKÖZ	Free Study Time	Free Study Time	Free Study Time	Cell- Tissue Injury And Basics Of The Pharmacology Committee Exam
11.30-12.20	The Eicosanoids: Prostaglandins, Thromboxanes, Leukotrienes, Related Compounds Dr. DİLEKÖZ	Free Study Time	Free Study Time	Free Study Time	Cell- Tissue Injury And Basics Of The Pharmacology Committee Exam
13.30-14.20	Free Study Time	Medical English	Free Study Time	Free Study Time	Free Study Time
14.30-15.20	Free Study Time	Medical English	Free Study Time	Free Study Time	Free Study Time
15.30-16.20	Free Study Time	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
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