



OKAN UNIVERSITY FACULTY OF MEDICINE
2020 – 2021 ACADEMIC YEAR
PHASE I COMMITTEE IV
BASIC SCIENCES COMMITTEE-IV (MED104)
(9 Weeks / 05.04.2021 – 04.06.2021)

BASIC SCIENCES COMMITTEE-IV COURSE CONTENT				
	DEPARMENTS	THEORICAL	PRATICAL	TOTAL
MED 104	1- ANATOMY	26	20	46
MED 104	2- HISTOLOGY AND EMBRIOLOGY	10	4	14
MED 104	3- PHYSIOLOGY	22	-	22
MED 104	4- MEDICAL BIOCHEMISTRY	18	6	24
MED 104	5- MEDICAL BIOLOGY AND GENETICS	20	2	22
MED 104	6-CLINICAL SKILLS	2	2	4
TOTAL		98	34	132

DEAN

: Prof. Dr. İ. Bülent BUTTANRI

CHIEF COORDINATOR OF PHASE I

: Prof. Dr. Berrin Zuhal ALTUNKAYNAK

LIST OF PARTICIPANTS IN THE SUBJECT COMMITTEE	
DEPARTMENTS	LECTURERS
ANATOMY	Assist. Prof. Dr. Paria SHOJAOLSADATI
	Assist. Prof. Dr. Bengi YEĞİN
HISTOLOGY AND EMBRYOLOGY	Prof. Dr. Cengiz BAYÇU
	Prof. Dr. B.Zuhal ALTUNKAYNAK
PHYSIOLOGY	Prof. Dr. Lamia PINAR
	Assoc. Prof. Dr. Güldal İnal GÜLTEKİN
MEDICAL BIOCHEMISTRY	Prof. Dr. Gülden BURÇAK
	Assist. Prof. Dr. Hadi. KARIMKHANI
	Assist. Prof. Dr. Sercan KAPANCIK
MEDICAL BIOLOGY AND GENETICS	Prof.Dr. Ali SAZÇI
	Assist. Prof Öznur B. EKMEKÇİGİL
CLINICAL SKILLS	Assist. Prof. Dr.Ali Kaan ATAMAN

WEEK 1 (05.04.2021-09.04.2021)	
SUBJECT	LECTURER
ANATOMY	
General information about muscles and joints	Assist. Prof. Dr. Paria SHOJAOLSADATI
Superficial back muscles	Assist. Prof. Dr. Paria SHOJAOLSADATI
Shoulder joints	Assist. Prof. Dr. Bengi YEĞİN
Plexus brachialis and Axilla	Assist. Prof. Dr. Bengi YEĞİN
Anatomy LAB 1: Superficial back muscles	Anatomy. Dept. Lecturers
Anatomy LAB 2: Plexus brachialis, Regio pectoralis, arm, anterior and posterior sections	Anatomy. Dept. Lecturers
HISTOLOGY AND EMBRIOLOGY	
Third to Eighth Week	Prof. Dr. B.Zuhal ALTUNKAYNAK
MEDICAL BIOLOGY AND GENETICS	
Genetic Technology-2 (Karyotype analysis, Fish, CGH, multicolor banding)	Prof.Dr. Ali SAZCI
PHYSIOLOGY	
Skeletal muscle morphology	Prof. Dr. Lamia PINAR
MEDICAL BIOCHEMISTRY	
Biochemistry LAB-1: General reactions of amino acids and proteins	Biochemistry Dept. Lecturers
The extracellular matrix	Prof. Dr. Gülden BURÇAK
Bone	Prof. Dr. Gülden BURÇAK

WEEK 2 (12.04.2021-16.04.2021)	
SUBJECT	LECTURER
ANATOMY	
Arm anterior section	Assist. Prof. Dr. Bengi YEĞİN
Regio pectoralis and arm posterior section	Assist. Prof. Dr. Bengi YEĞİN
Anatomy LAB 3: Flexor group	Anatomy. Dept. Lecturers
HISTOLOGY AND EMBRIOLOGY	
Ninth week to birth	Prof. Dr. B.Zuhal ALTUNKAYNAK
PHYSIOLOGY	
Stimulation and contractile properties of skeletal muscle	Prof. Dr. Lamia PINAR
MEDICAL BIOCHEMISTRY	
Biological oxidation	Prof. Dr. Gülden BURÇAK
Oxidative Phosphorylation	Prof. Dr. Gülden BURÇAK
MEDICAL BIOLOGY AND GENETICS	
Genetic-Caused Diseases	Prof.Dr. Ali SAZCI

WEEK 3 (19.04.2021-23.04.2021)	
SUBJECT	LECTURER
ANATOMY	
Forearm anterior section muscles (Flexor group)	Assist. Prof. Dr. Paria SHOJAOLSADATI
HISTOLOGY AND EMBRIOLOGY	
Placenta and Fetal membranes	Prof. Dr. Berrin Zuhaf ALTUNKAYNAK
PHYSIOLOGY	
Neuromuscular junction and muscle diseases	Prof. Dr. Lamia PINAR
MEDICAL BIOCHEMISTRY	
Oxidative Phosphorylation	Prof. Dr. Gülden Burçak
Free oxygen Radicals and Antioxidants	Prof. Dr. Gülden Burçak
MEDICAL BIOLOGY AND GENETICS	
Population Genetics	Prof. Dr. Ali SAZCI

WEEK 4 (26.04.2021-30.04.2021)	
SUBJECT	LECTURER
ANATOMY	
Posterior part of the forearm (Extensor group)	Assist. Prof. Dr. Paria SHOJAOLSADATI
Elbow joint	Assist. Prof. Dr. Bengi YEĞİN
Wrist joint and Hand	Assist. Prof. Dr. Bengi YEĞİN
Anatomy LAB 4: Extensor grup	Anatomy. Dept. Lecturers
Anatomy LAB 5 Hand:	Anatomy. Dept. Lecturers
CLINICAL SKILLS	
Clinical Skills	Assist. Prof. Dr. Ali Kaan ATAMAN
PHYSIOLOGY	
Stimulation and contraction properties of smooth muscle and cardiac muscle	Assoc. Prof. Dr. Güldal İnal GÜLTEKİN
MEDICAL BIOCHEMISTRY	
Biochemistry of muscle	Assist. Prof. Dr. Sercan KAPANCIK
DNA synthesis, repair, and mutations	Assist. Prof. Dr. Sercan KAPANCIK
MEDICAL BIOLOGY AND GENETICS	
Genetic Counseling-1	Prof. Dr. Ali SAZCI

WEEK 5 (03.05.2021-07.05.2021)	
SUBJECT	LECTURER
ANATOMY	
Hip joint	Assist. Prof. Dr. Paria SHOJAOLSADATI
Gluteal zone	Assist. Prof. Dr. Paria SHOJAOLSADATI
Anterior, posterior and medial parts of the thigh	Assist. Prof. Dr. Bengi YEĞİN
Anatomy LAB 6: Gluteal region, thigh	Anatomy. Dept. Lecturers
HISTOLOGY AND EMBRIOLOGY	
Muscle Tissue	Prof. Dr. Cengiz BAYÇU
Histology and Embriology Lab 1: Muscle Tissue	Hist and Emb. Dept. Lecturers
PHYSIOLOGY	
Exercise	Prof. Dr. Lamia PINAR
Electrical and Chemical Synapses	Prof. Dr. Lamia PINAR
MEDICAL BIOCHEMISTRY	
RNA synthesis and modification	Assist. Prof. Dr. Sercan KAPANCIK
Protein synthesis	Assist. Prof. Dr. Sercan KAPANCIK
Regulation of gene expression	Assist. Prof. Dr. Sercan KAPANCIK
Intracellular traffic and sorting of proteins	Assist. Prof. Dr. Sercan KAPANCIK
MEDICAL BIOLOGY AND GENETICS	
Moleculer Biology Lab 1: PCR	Medical Biology Dept. Lecturers

WEEK 6 (10.05.2021-14.05.2021)	
SUBJECT	LECTURER
ANATOMY	
Knee joint and Popliteal fossa	Assist. Prof. Dr. Paria SHOJAOLSADATI
Anterior, posterior and lateral parts of the leg	Assist. Prof. Dr. Paria SHOJAOLSADATI
Anatomy LAB 7: Anterior, posterior and lateral parts of the leg	Anatomy. Dept. Lecturers
HISTOLOGY AND EMBRIOLOGY	
Nervous Tissue	Prof. Dr. Berrin Zuhaf ALTUNKAYNAK
PHYSIOLOGY	
Substance conduction in the axon, Nerve degeneration and regeneration, Nerve fiber types	Prof. Dr. Lamia PINAR
MEDICAL BIOLOGY AND GENETICS	
Immunogenetic-1	Prof.Dr. Ali SAZCI

WEEK 7 (17.05.2021-21.05.2021)	
SUBJECT	LECTURER
ANATOMY	
Foot and ankle joint	Assist. Prof. Dr. Bengi YEĞİN
Neck, anterior and lateral section	Assist. Prof. Dr. Paria SHOJAOLSADATI
Suboccipital zone	Assist. Prof. Dr. Bengi YEĞİN
Deep back muscles	Assist. Prof. Dr. Paria SHOJAOLSADATI
Anatomy LAB 8: Foot	Anatomy. Dept. Lecturers
HISTOLOGY AND EMBRIOLOGY	
Histology Lab2: Nervous Tissue	Hist and Emb. Dept. Lecturers
PHYSIOLOGY	
Clinic	Prof. Dr. Lamia PINAR
Postsynaptic potentials (EPSP and IPSP)	Prof. Dr. Lamia PINAR
MEDICAL BIOLOGY AND GENETICS	
Cancer genetics	Prof.Dr. Ali SAZCI
Genetics Technology-3 (Crips-Cas-9 technology)	Prof.Dr. Ali SAZCI

WEEK 8 (24.05.2021-28.05.2021)	
SUBJECT	LECTURER
ANATOMY	
Temporal and parotid region	Assist. Prof. Dr. Paria SHOJAOLSADATI
Fossa pterygopalatina and fossa infratemporalis	Assist. Prof. Dr. Paria SHOJAOLSADATI
Anatomy LAB 9: Suboccipital zone and Deep back muscles	Anatomy. Dept. Lecturers
Anatomy LAB 10: Infratemporal fossa and Pterygopalatine fossa	Anatomy. Dept. Lecturers
PHYSIOLOGY	
Inhibition and Facilitations in Synapse Regions	Prof. Dr. Lamia PINAR
Neurotransmitters and Clinical	Assoc. Prof. Dr. Güldal İnal GÜLTEKİN
MEDICAL BIOLOGY AND GENETICS	
Genetic Counseling -2	Prof.Dr. Ali SAZCI
Genomic evolution of Homo sapiens	Prof.Dr. Ali SAZCI

WEEK 9 (31.05.2021-04.06.2021)
EXAM WEEK