OKAN UNIVERSITY FACULTY OF MEDICINE
2020 – 2021 ACADEMIC YEAR
PHASE II COMMITTEE V
BIOLOGICAL FUNDAMENTALS OF DISEASE I COMMITTEE (MED206)
6 WEEK PROGRAMME (03.05.2021 – 11.06.2021)

COMMITTEE IV	
CODE	
MED206	**1- MEDICAL BIOCHEMISTRY**
	2- MEDICAL MICROBIOLOGY
	3- MEDICAL PHARMACOLOGY
	4- PATHOLOGY

DEAN : **Prof. Dr. İ. Bülent BUTTANRI**
CHIEF COORDINATOR OF PHASE II : **Prof. Dr. Cengiz BAYÇU**
VICE CHIEF COORDINATOR OF PHASE II : **Assist. Prof. Dr. Hümbet AHMEDOV**
Assist. Prof. Dr. Kevser ATALIK

LIST OF PARTICIPANTS IN THE SUBJECT COMMITTEE	
DEPARTMENTS	**LECTURERS**
MEDICAL BIOCHEMISTRY	**Prof. Dr. Gülden BURÇAK** **Assist. Prof. Dr. Sercan KAPANCIK**
MEDICAL MICROBIOLOGY	**Prof. Dr. Ayşe Demet KAYA** **Assist. Prof. Dr. Kevser ATALIK**
MEDICAL PHARMACOLOGY	**Asst. Prof. Dr. Fuat Nihat ÖZAYDIN**
PATHOLOGY	**Assist. Prof. Dr. Gürcan VURAL**

ON-LINE THEORETICAL PROGRAM

WEEK 1 (03 - 07 May 2021)	
SUBJECT	**LECTURER**
Medical Biochemistry	
Interorgan shuttles	Prof. Dr. Gülden BURÇAK
Adipose tissue and obesity	Prof. Dr. Gülden BURÇAK
Medical Microbiology	
Introduction to Parasitology	Prof. Dr. Ayşe Demet KAYA
Medical Pharmacology	
Introduction to Medical Pharmacology	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Pharmacokynetics -Absorbtion	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Pharmaceutical forms of drugs	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
The routes of drug administration	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Pathology	
Introduction to Pathology, Definitions	Assist. Prof. Dr. Gürcan VURAL
Cell injury and the mechanisms	Assist. Prof. Dr. Gürcan VURAL
Cellular response to injury: Degeneration, necrosis, apoptosis	Assist. Prof. Dr. Gürcan VURAL
Intracellular accumulations and pathologic calcifications	Assist. Prof. Dr. Gürcan VURAL

WEEK 2 (10 - 14 May 2021)	
SUBJECT	**LECTURER**
Medical Biochemistry	
Diabetes mellitus	Prof. Dr. Gülden BURÇAK
The biochemistry of aging	Prof. Dr. Gülden BURÇAK
Medical Microbiology	
Introduction to Protozoology and Sarcodina	Prof. Dr. Ayşe Demet KAYA
Mastigophora -Ciliata	Prof. Dr. Ayşe Demet KAYA
Medical Pharmacology	
Pharmacokinetic; Distribution	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Pharmacokinetic; Metabolism	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Pharmacokinetic; Excretion	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Factors contributing to variations in drug effects	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Dose,concentration-effect relationship	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Pathology	
Body fluids, edema, dehydration	Assist. Prof. Dr. Gürcan VURAL
Hyperemia, congestion, hemorrhage	Assist. Prof. Dr. Gürcan VURAL
Hemostasis and thrombosis	Assist. Prof. Dr. Gürcan VURAL
Thromboembolism	Assist. Prof. Dr. Gürcan VURAL

WEEK 3 (17 - 21 May 2021)	
SUBJECT	**LECTURER**
Medical Biochemistry	
Metabolic response to stress	Prof. Dr. Gülden BURÇAK
Metabolism of ethanol	Prof. Dr. Gülden BURÇAK
Medical Microbiology	
Sporozoa	Prof. Dr. Ayşe Demet KAYA
Cestodes	Assist. Prof. Dr. Kevser ATALIK
Medical Pharmacology	
Pharmacodynamics	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Drug-drug interactions	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Toxic effects of drugs	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Pathology	
Ischemia and infarct	Assist. Prof. Dr. Gürcan VURAL
Shock, Hypertension	Assist. Prof. Dr. Gürcan VURAL
The concept of inflammation, inflammatory cells and elements	Assist. Prof. Dr. Gürcan VURAL
Chemical mediators of inflammation	Assist. Prof. Dr. Gürcan VURAL

WEEK 4 (24 - 28 May 2021)	
SUBJECT	**LECTURER**
Medical Biochemistry	
Xenobiotic metabolism	Assist. Prof. Dr. Sercan KAPANCIK
Medical Microbiology	
Nematodes	Assist. Prof. Dr. Kevser ATALIK
Trematodes	Assist. Prof. Dr. Kevser ATALIK
Medical Pharmacology	
Drug induced syndromes	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Treatment of the poisoned patient	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Pharmacovigilance	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Pathology	
Pathogenesis of acute inflammation	Assist. Prof. Dr. Gürcan VURAL
Leukocyte extravasation, adhesion and transmigration; chemotaxis and phagocytosis	Assist. Prof. Dr. Gürcan VURAL
Chronic inflammation, angiogenesis, fibrosis	Assist. Prof. Dr. Gürcan VURAL
Healing of the inflammation: Regeneration and reperation	Assist. Prof. Dr. Gürcan VURAL

WEEK 5 (31 May- 04 June 2021)	
SUBJECT	**LECTURER**
Medical Biochemistry	
Clinical enzymology	Assist. Prof. Dr. Sercan KAPANCIK
Medical Microbiology	
Arthropods	Assist. Prof. Dr. Kevser ATALIK
Medical Pharmacology	
Basics of prescription	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Rational use of drugs	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Drug use in pregnancy and breastfeeding	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN
Geriatric pharmacotherapy	Asst. Prof. Dr. Fuat Nihat ÖZAYDIN

WEEK 6 (07-11 June 2021)
EXAM WEEK