



OKAN UNIVERSITY FACULTY OF MEDICINE
2020 – 2021 ACADEMIC YEAR
PHASE II COMMITTEE II
GASTROINTESTINAL SYSTEM AND METABOLISM COMMITTEE
(MED203)
8 WEEK PROGRAMME (23.11.2020 – 15.01.2021)

CODE	DISCIPLINE
MED203	1- ANATOMY
	2- HISTOLOGY AND EMBRYOLOGY
	3- MEDICAL BIOCHEMISTRY
	4- MEDICAL MICROBIOLOGY
	5- PHYSIOLOGY

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

ON-LINE PROGRAMME

WEEK 1 (NOV. 23-27, 2020)	
SUBJECT	LECTURER
ANATOMY	
Oral cavity	Prof. Dr. Yüksel AYDAR
Salivary Glands	Prof. Dr. Yüksel AYDAR
Teeth	Prof. Dr. Yüksel AYDAR
HISTOLOGY AND EMBRYOLOGY	
Faringeal apparatus: Development of head and neck	Prof. Dr. B. Zuhâl ALTUNKAYNAK
Histology of oral cavity	Assit. Prof. Dr. Işinsu ALKAN
PHYSIOLOGY	
The immune system	Assoc. Prof. Dr. Güldal İ. GÜLTEKİN
MEDICAL BIOCHEMISTRY	
Digestion and absorption of carbohydrates, lipids and proteins	Prof. Dr. Gülden BURÇAK
Overview of metabolism	Prof. Dr. Gülden BURÇAK
The citric acid cycle	Prof. Dr. Gülden BURÇAK

WEEK 2 (NOV. 30- DEC 04, 2020)	
SUBJECT	LECTURER
ANATOMY	
Anterior Abdominal Wall	Prof. Dr. Yüksel AYDAR
Peritoneum	Prof. Dr. Yüksel AYDAR
HISTOLOGY AND EMBRYOLOGY	
Histology of esophagus and stomach	Assit. Prof. Dr. Işinsu ALKAN
PHYSIOLOGY	
General principles of gastrointestinal system functions, motility, neural regulation and blood circulation	Doç. Dr. Güldal İ. GÜLTEKİN
Digestion in the stomach	Assoc. Prof. Dr. Güldal İ. GÜLTEKİN
MEDICAL MICROBIOLOGY	
Staphylococci	Assist. Prof. Dr. Aydın AYDINLI
MEDICAL BIOCHEMISTRY	
Glycolysis and the oxidation of pyruvate	Prof. Dr. Gülden BURÇAK
Metabolism of glycogen	Prof. Dr. Gülden BURÇAK
Gluconeogenesis and the control of blood glucose	Prof. Dr. Gülden BURÇAK
Pentose phosphate pathway and other pathways of hexose metabolism	Prof. Dr. Gülden BURÇAK

WEEK 3 (DEC. 07-11, 2020)	
SUBJECT	LECTURER
ANATOMY	
Oesophagus, Stomach	Prof. Dr. Yüksel AYDAR
Small Intestine	Prof. Dr. Yüksel AYDAR
Large Intestine	Prof. Dr. Yüksel AYDAR
Rectum, Anal Canal	Prof. Dr. Yüksel AYDAR
HISTOLOGY AND EMBRYOLOGY	
Histology of small and large intestines	Assit. Prof. Dr. Işinsu ALKAN
MEDICAL BIOCHEMISTRY	
Oxidation of fatty acids: Ketogenesis	Prof. Dr. Gülden BURÇAK
Biosynthesis of fatty acids and eicosanoids	Prof. Dr. Gülden BURÇAK
Metabolism of acylglycerols and sphingolipids	Prof. Dr. Gülden BURÇAK
MEDICAL MICROBIOLOGY	
Streptococci	Assist. Prof. Dr. Aydın AYDINLI
Neisseria - Moraxella	Prof. Dr. A. Demet KAYA
Aerob Gram (-) small bacilli	Assist. Prof. Dr. Deniz SERTEL ŞELALE

WEEK 4 (DEC. 14-18, 2020)	
SUBJECT	LECTURER
ANATOMY	
Liver	Prof. Dr. Yüksel AYDAR
HISTOLOGY AND EMBRYOLOGY	
Histology of digestive tract glands (salivary glands, liver, pancreas, gallbladder)	Prof. Dr. Cengiz BAYÇU
MEDICAL BIOCHEMISTRY	
Lipid transport and storage	Prof. Dr. Gülden BURÇAK
Cholesterol synthesis, transport and excretion	Prof. Dr. Gülden BURÇAK
Ethanol metabolism	Prof. Dr. Gülden BURÇAK
PHYSIOLOGY	
Digestion and absorption in the gastrointestinal tract	Assoc. Prof. Dr. Güldal İ. GÜLTEKİN
Exocrine functions of the pancreas and the role of the liver and bile	Assoc. Prof. Dr. Güldal İ. GÜLTEKİN
MEDICAL MICROBIOLOGY	
Gram(-) facultatively anaerobic bacteria	Assist. Prof. Dr. Deniz SERTEL ŞELALE
Enterobacteriaceae	Prof. Dr. A. Demet KAYA

WEEK 5 (DEC. 21-25, 2020)	
SUBJECT	LECTURER
ANATOMY	
Pancreas	Prof.Dr. Yüksel AYDAR
Lien	Prof.Dr. Yüksel AYDAR
HISTOLOGY AND EMBRYOLOGY	
Embryology & development of digestive system	Prof. Dr. B. Zuhal ALTUNKAYNAK
MEDICAL BIOCHEMISTRY	
Biosynthesis of the nutritionally nonessential amino acids	Assist. Prof. Dr. Sercan KAPANCIK
Catabolism of proteins and of amino acid nitrogen	Assist. Prof. Dr. Sercan KAPANCIK
Catabolism of the carbon skeletons of amino acids	Assist. Prof. Dr. Sercan KAPANCIK
PHYSIOLOGY	
Digestion and absorption in small and large intestines	Assoc. Prof. Dr. Güldal İ. GÜLTEKİN
Hormones of the digestive system and fat tissue	Assoc. Prof. Dr. Güldal İ. GÜLTEKİN
MEDICAL MICROBIOLOGY	
Shigella, Salmonella	Prof. Dr. A. Demet KAYA
Vibrio, Campylobacter, Helicobacter	Assist. Prof. Dr. Deniz SERTEL ŞELELE

WEEK 6 (DEC. 28, 2020- JAN 01,2021)	
SUBJECT	LECTURER
ANATOMY	
Posterior Abdominal Wall	Prof.Dr. Yüksel AYDAR
MEDICAL BIOCHEMISTRY	
Conversion of amino acids to specialized products	Assist. Prof. Dr. Hadi KARIMKHANI
Metabolism of purine and pyrimidine nucleotides	Assist. Prof. Dr. Sercan KAPANCIK
PHYSIOLOGY	
Basal metabolic rate and body temperature	Assoc. Prof. Dr. Güldal İ. GÜLTEKİN
Regulation of hunger and satiety	Prof. Dr. Lamia PINAR
MEDICAL MICROBIOLOGY	
Non- fermentative Gram negative bacili	Assist. Prof. Dr. Deniz SERTEL ŞELELE

WEEK 7 (JAN. 04-08, 2021)	
SUBJECT	LECTURER
MEDICAL BIOCHEMISTRY	
Starve- feed cycle and metabolic homeostasis	Prof. Dr. Gülden BURÇAK
PHYSIOLOGY	
Dietary Balances; Regulation of Feeding; Obesity and Starvation; Vitamins and Minerals	Assoc. Prof. Dr. Güldal İ. GÜLTEKİN
Diseases of the digestive system	Prof. Dr. Lamia PINAR
MEDICAL MICROBIOLOGY	
Spore forming rods	Assist. Prof. Dr. Deniz SERTEL ŞELELE
Anaerobic bacteria	Assist. Prof. Dr. Deniz SERTEL ŞELELE

WEEK 8 (JAN. 11-15, 2021)	
EXAM WEEK	