

GAZI UNIVERSITY FACULTY OF MEDICINE

2020-2021 EDUCATIONAL YEAR

DISTANCE (ON-LINE) EDUCATION THEORETICAL COURSES FOR YEAR II

ENDOCRINE AND UROGENITAL SYSTEM COMMITTEE
(December 21, 2020-January 06, 2021)

DERSLER	TEORİK
Anatomy	15
Histology and Embryology	19
Physiology	33
Medical Biochemistry	16
Medical Ethics and Deontology	4
TOPLAM	87

06.01.2021	Wednesday	Mid Term Exam
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Dean	Prof.Dr. Mustafa Necmi İLHAN
Vice Dean	Assoc. Prof. Dr. İlyas OKUR
Vice Dean	Assoc. 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
Assistant Head Coordinator	Assoc. Prof. Dr.Özlem COŞKUN
Year II Coordinator	Assoc. Prof. Dr.Gökçe S. ÖZTÜRK FİNCAN
Assistant Year II Coordinator	Assist. Prof. Dr. Zeynep YIĞMAN (ENG)
Assistant Year II Coordinator	Teach. Assist. Dr. Süheyla Esra ÖZKOÇER
Assistant Year II Coordinator	Teach. Assist. Dr. Pelin TÜRKKAN
Assistant Year II Coordinator	Teach. Assist. Dr. Ece ALİM

MEMBERS OF COMMITTEE

ANATOMY	HISTOLOGY & EMBRYLOGY	PHYSIOLOGY	MEDICAL BİOCHEMISTRY	MEDICAL ETHICS & DEONTOLOGY
Dr.Meltem BAHÇELİOĞLU	Dr. Çiğdem ELMAS	Dr. Şevin GÜNEY	Dr. Neslihan BUKAN	Dr.Nesrin ÇOBANOĞLU
Dr. Ece ALİM	Dr. Zeynep YİĞMAN	Dr. Meltem SEVGİLİ	Dr. Aylin SEPİCİ DİNÇEL	
	Dr. S. Esra ÖZKOÇER		Dr. Cengiz KARAKAYA	

Elective Course Coordinator

Assoc. Prof. Dr. Ergin DİLEKÖZ

ENDOCRINE AND UROGENITAL SYSTEM COMMITTEE

Objective:

Should be able to explain the embryonic development, anatomical and histological structure of endocrine, excretory and reproductive system. Should be able to explain structure, synthesis and mechanism of action of hormones. Should be able to explain the functions of endocrine, excretory and reproductive system physiologically and interpret the connections with the clinic.

LEARNING OBJECTIVES

Knowledge Based

- LO-200-4-1 Should be able to explain which germ leaves the endocrine organs develop from and in which weeks of development it occurs
- LO-200-4-2 Should be able to describe the anatomical and histological structures of endocrine organs (hypothalamus, pituitary gland, thyroid, pancreas, adrenal gland, etc.)
- LO-200-4-3 Should be able to describe the general mechanisms of action of hormones, homeostatic control systems, negative and positive feedback mechanisms
- LO-200-4-4 Should be able to explain the biochemical properties and mechanisms of action of hormones
- LO-200-4-5 Should be able to explain from which germ leaves and when the urinary system develops
- LO-200-4-6 Should be able to describe the anatomical and histological structure of kidneys, bladder and ureters
- LO-200-4-7 Should define the physiological functions of the kidney and be able to grasp the connections with the other systems in the maintenance of homeostasis
- LO-200-4-8 Should be able to explain from which germ leaves and when the genital system develops
- LO-200-4-9 Should be able to tell genital channel differentiation and role hormones in male and female
- LO-200-4-10 Should be able to say genital organs of male and female, histological changes in ovarian cycle, to explain gametogenesis
- LO-200-4-11 Should define the mechanisms of pregnancy, lactation and menopause
- LO-200-4-12 Should be able to explain male reproductive system functions
- LO-200-4-13 Should be able to list the mechanisms that provide bladder functions and control
- LO-200-4-14 Should be able to differentiate some clinical findings (diabetes, hypothyroidism, hyperparathyroidism etc.) related to endocrine system dysfunctions
- LO-200-4-15 Should be able to say the rules of professional ethics, physician - patient relationship.
- LO-200-4-16 Should be able to have a problem-based approach to diseases

Application Based (practical skills)

- LO-200-4-17 Should be able to show the ability to insert male and female catheters
- LO-200-4-18 Should be able to recognize endocrine organs, kidney sections, bladder and ureter under the microscope
- LO-200-4-19 Should be able to show male genital organs and channels, ovarian follicles, tuba uterina, uterine layers, vagina and cervix at microscope level
- LO-200-4-20 Should be able to demonstrate the ability to choose the appropriate behavior in medical practice

Skills Based (intellectual and transferable skills)

- LO-200-4-21 Should be aware of the importance of cadaver use
- LO-200-4-22 Should be aware of the importance of microscope use in histology education
- LO-200-4-23 Should develop sensitivity about the rules of profession and to be able to use empathy

1. HAFTA	21.12.2020 MONDAY	22.12.2020 TUESDAY	23.12.2020 WEDNESDAY	24.12.2020 THURSDAY	25.12.2020 FRIDAY
10:00-10:30	Endocrine glands Dr.Alim	The Pituitary-Hypothalamus Relationship and Hypothalamic Hormones Dr. Güney	Urinary bladder, urethra Dr.Alim	Physiologic actions of Posterior pituitary hormones Dr. Güney	Hypothalamus-Hypophysis hormones Dr.Bukan
10:30-11:00	Endocrine glands Dr.Alim	Endocrine Function of Hypothalamus Dr.Güney	Internal iliac artery, pudendal plexus Dr.Alim	Adrenal cortex and medullary hormones Dr. Sevgili	Hypothalamus-Hypophysis hormones Dr.Bukan
11:00-11:30	Pituitary and Pineal (Hypophysis) glands Dr. Yiğman	Basic effect mechanisms of hormones Dr.Sepici Dinçel	Adrenal glands Dr.Özkoçer	Adrenal cortex and medullary hormones Dr. Sevgili	Male internal and external genital organs Dr.Alim
11:30-12:00	Pituitary and Pineal (Hypophysis) glands Dr. Yiğman	Basic effect mechanisms of hormones Dr.Sepici Dinçel	Adrenal glands Dr.Özkoçer	Adrenal cortex and medullary hormones Dr. Sevgili	Male internal and external genital organs Dr.Alim
14:00-14:30	Neuroendocrine integration and intercellular communications Dr Güney	Kidneys and ureters Dr.Alim	Pelvis and perineum Dr.Bahçelioğlu	Female internal and external genital organs Dr.Bahçelioğlu	Urinary system histology Dr. Yiğman
14:30-15:00	The Pituitary-Hypothalamus Relationship and Hypothalamic Hormones Dr. Güney	Kidneys and ureters Dr.Alim	Female internal and external genital organs Dr.Bahçelioğlu	Clinical and radiographic anatomy Dr.Bahçelioğlu	Urinary system histology Dr. Yiğman
15:00-15:30	General effect mechanisms of hormones Dr.Sepici Dinçel	Histology and embryology of thyroid and parathyroid glands Dr. Yiğman	Physiologic actions of Anterior pituitary hormones Dr.Güney	Urinary system embryology Dr. Yiğman	Urinary system histology Dr. Yiğman
15:30-16:00	General effect mechanisms of hormones Dr.Sepici Dinçel	Histology and embryology of thyroid and parathyroid glands Dr. Yiğman	Physiologic actions of Anterior pituitary hormones Dr.Güney	Urinary system embryology Dr. Yiğman	Reproductive system embryology Dr.Elmas

2. HAFTA	28.12.2020 MONDAY	29.12.2020 TUESDAY	30.12.2020 WEDNESDAY	31.12.2020 THURSDAY	01.01.2021 FRIDAY
10:00-10:30 10:30-11:00	Reproductive system embryology Dr.Elmas Histology of female reproductive system Dr.Elmas	Histology of female reproductive system Dr.Elmas Histology of female reproductive system Dr.Elmas	Functions of nephron Dr.Güney Filtration of glomerulus's Dr.Güney	Renal mechanisms for excreting dilute and concentrate urine Dr.Güney Regulation of Acid-Base balance Dr.Güney	New Year
11:00-11:30 11:30-12:00	Clinical and radiographic anatomy Dr.Bahçelioğlu (3 saat)	Endocrine functions of pancreas Dr Güney Endocrine functions of pancreas Dr Güney	Histology of male reproductive system Dr.Elmas (3 saat)	Medical action and legal responsibility of physician Dr.Çobanoğlu Charter of medical deontology and medical ethics Dr.Çobanoğlu	
14:00-14:30 14:30-15:00	Thyroid hormones Dr.Sevgili Thyroid hormones Dr.Sevgili	Pancreatic hormones Dr. Bukan Pancreatic hormones Dr. Bukan	Reuptake events in nephron Dr.Güney Reuptake events in nephron Dr.Güney	Functions of male gonads Dr.Sevgili Functions of male gonads Dr.Sevgili	New Year
15:00-15:30 15:30-16:00	Thyroid Hormones Dr. Bukan Hormones regulating calcium metabolism Dr.A. Sepici Dincel	Functions of kidney Dr.Güney Functions of kidney Dr.Güney	Medical ethics principles Dr.Çobanoğlu Declarations of world medical association Dr.Çobanoğlu	Free Study Time	

3.HAFTA	04.01.2021 MONDAY	05.01.2021 TUESDAY	06.01.2021 WEDNESDAY		
10:00-10:30	Parathyroid Hormone, regulation of Calcium Metabolism Dr Güney	Adrenal cortex Hormones Dr.Bukan	MID TERM EXAM		
10:30-11:00	Parathyroid Hormone, regulation of Calcium Metabolism Dr Güney	Adrenal cortex Hormones Dr.Bukan			
11:00-11:30	Adrenal Medulla Hormones Dr.Bukan	Importance of clearance in kidney functions Dr.Güney			
11:30-12:00	Adrenal Medulla Hormones Dr.Bukan	Urine excretion, diuresis Dr.Güney			
14:00-14:30	Female Gonad Hormons Dr. Sevgili	Fluid electrolyte balance Dr.Güney			
14:30-15:00	Female Gonad Hormons Dr. Sevgili				
15:00-15:30	PI Endocrine and Metabolic Changes in Pregnancy and Lactation Dr. Sevgili	Gonadal hormones Dr. Karakaya			
15:30-16:00	Neonatal Physiology and Growth Dr.Sevgili	Gonadal hormones Dr. Karakaya			