

GAZI UNIVERSITY FACULTY OF MEDICINE

YEAR II

2022-2023 EDUCATIONAL YEAR

ENDOCRINE AND UROGENITAL SYSTEM COMMITTEE

(08.03.2023 – 14.04.2023)

COURSES	THEORETICAL	PRACTICAL	TOTAL
Anatomy	15	2	17
Histology and Embryology	21	8	29
Physiology	33	2x4	35
Medical Biochemistry	16	2	18
Medical History and Ethics	4	-	4
TOTAL	89	14	103
Elective Lectures	10	-	10
Medical English	10	-	10
INTRODUCTION TO MEDICINE			
Problem Based Learning (PBL)	-	12	12
Evidence Based Medicine (EBM)	2		2
TOTAL	111	26	137

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. Akif Muhtar ÖZTÜRK
Assistant Head Coordinator (ENG)	Prof. Dr. Mehmet Ali ERGÜN
Year II Coordinator	Assist. Prof. Dr. S. Esra ÖZKOÇER
Assistant Year II Coordinator (ENG)	Assist. Prof. Dr. Zeynep YİĞMAN
Assistant Year II Coordinator	Teach. Assist. Dr. Pelin TÜRKKAN
Assistant Year II Coordinator	Teach. Assist. Dr. Nihan ÖRÜKLÜ

COMMITTEE MEMBERS

ANATOMY	HISTOLOGY & EMBRYLOGY	PHYSIOLOGY	MEDICAL BIOCHEMISTRY	MEDICAL ETHICS & DEONTOLOGY
Dr. Meltem BAHÇELİOĞLU	Dr. Çiğdem ELMAS	Dr. Şevin GÜNEY	Dr. Neslihan BUKAN	Dr. Namık ÇENCEN
Dr. Kerem ATALAR	Dr. C. Merve SEYMEN	Dr. A. Meltem SEVGİLİ	Dr. Aylin SEPİCİ DİNCEL	
	Dr. Zeynep YIĞMAN		Dr. Cengiz KARAKAYA	
	Dr. S. Esra ÖZKOÇER			

ANATOMY LABORATORY	HISTOLOGY & EMBRYLOGY LABORATORY	PHYSIOLOGY LABORATORY	MEDICAL BIOCHEMISTRY LABORATORY
Dr. Meltem BAHÇELİOĞLU	Dr. Çiğdem ELMAS	Dr. Şevin GÜNEY	Dr. Aylin SEPİCİ DİNCEL
Dr. Kerem ATALAR	Dr. G. TAKE KAPLANOĞLU	Dr. A. Meltem SEVGİLİ	
	Dr. C. Merve SEYMEN	Dr. Pelin TÜRKKAN	
	Dr. Zeynep YIĞMAN		
	Dr. Duygu DAYANIR		
	Dr. S. Esra ÖZKOÇER		

Evidence Based Medicine Coordinator	Prof. Dr. M. Ali ERGÜN
Problem Based Learning Coordinator	Assoc. Prof. Dr. Özlem COŞKUN
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

9 th WEEK Digest. S. and met. Comm.	06.03.2023 MONDAY	07.03.2023 TUESDAY	08.03.2023 WEDNESDAY	09.03.2023 THURSDAY	10.03.2023 FRIDAY
08:30-09:20	Biochemistry Lab 5 Dr.Ünal	Histology Lab 6	Energy balance and transformation Dr. Sevgili	The mechanisms of action and signaling pathways of hormones Dr. Sepici Dinçel	FREE STUDY TIME
09:30-10:20	Biochemistry Lab5 Dr.Ünal	Histology Lab 6	Regulation of body temperature Dr. Sevgili	The mechanisms of action and signaling pathways of hormones Dr. Sepici Dinçel	Pituitary and Pineal glands Dr. Yiğman
10:30-11:20	Histology Lab 5	Biochemistry Lab 6 Dr.Ünal	Biochemistry Lab 3 Dr.Karakaya	FREE STUDY TIME	Pituitary and Pineal glands Dr. Yiğman
11:30-12:20	Histology Lab 5	Biochemistry Lab 6 Dr.Ünal	Biochemistry Lab 3 Dr.Karakaya	FREE STUDY TIME	Hypothalamus and Pituitary Gland hormones Dr. Bukan
13:30-14:20	Physiology Lab	Medical English	Anatomy Lab	Endocrine glands Dr. Atalar	Hypothalamus and Pituitary Gland hormones Dr. Bukan
14:30-15:20	Physiology Lab	Medical English	Endocrine and Urogranital System Committee General properties and classification of hormones Dr. Sepici Dinçel	Endocrine glands Dr. Atalar	The Pituitary- Hypothalamus Relationship and Hypothalamic Hormones Dr. Güney
15:30-16:20	Physiology Lab	Elective Course	General properties and classification of hormones Dr. Sepici Dinçel	Neuroendocrine integration and intercellular communications (Introduction to endocrinology) Dr. Güney	The Pituitary- Hypothalamus Relationship and Hypothalamic Hormones Dr. Güney
16:30-17:20	Physiology Lab	Elective Course	FREE STUDY TIME	Endocrine Functions of Hypothalamus Dr. Güney	FREE STUDY TIME

1 st WEEK	13.03.2023 MONDAY	14.03.2023 TUESDAY	15.03.2023 WEDNESDAY	16.03.2023 THURSDAY	17.03.2023 FRIDAY
08:30-09:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
09:30-10:20	Physiologic actions of anterior pituitary hormones Dr. Güney	Physiologic actions of posterior pituitary hormones Dr. Güney	Thyroid Hormones Dr. Bukan	FREE STUDY TIME	Adrenal cortex hormones Dr. Bukan
10:30-11:20	Physiologic actions of anterior pituitary hormones Dr. Güney	Thyroid hormones Dr. Sevgili	Hormones regulating calcium metabolism Dr. Sepici Dincel	FREE STUDY TIME	Adrenal cortex hormones Dr. Bukan
11:30-12:20	Histology and embryology of thyroid and parathyroid glands Dr. Yiğman	Thyroid hormones Dr. Sevgili	Regulation of Calcium Metabolism, PTH and Calcitonin Dr. Güney	Adrenal medulla hormones Dr. Bukan	Kidneys and ureters Dr. Atalar
13:30-14:20	Histology and embryology of thyroid and parathyroid glands Dr. Yiğman	Medical English	Regulation of Calcium Metabolism, PTH and Calcitonin Dr. Güney	Adrenal medulla hormones Dr. Bukan	Kidneys and ureters Dr. Atalar
14:30-15:20	Pancreatic hormones Dr. Bukan	Medical English	Adrenal glands Dr. Özkoçer	Adrenal cortex and medullary hormones Dr. Sevgili	Adrenal cortex and medullary hormones Dr. Sevgili
15:30-16:20	Pancreatic hormones Dr. Bukan	Elective Course	Adrenal glands Dr. Özkoçer	Adrenal cortex and medullary hormones Dr. Sevgili	FREE STUDY TIME
16:30-17:20	FREE STUDY TIME	Elective Course	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME

2nd WEEK	20.03.2023 MONDAY	21.03.2023 TUESDAY	22.03.2023 WEDNESDAY	23.03.2023 THURSDAY	24.03.2023 FRIDAY
08:30-09:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
09:30-10:20	Endocrine functions of pancreas Dr. Güney	Functions of kidney Dr. Güney	Urinary system histology Dr. Yiğman	Urinary system embryology Dr. Yiğman	Histology of female reproductive system Dr. Seymen
10:30-11:20	Endocrine functions of pancreas Dr. Güney	Urinary system histology Dr. Yiğman	Functions of kidney Dr. Güney	Urinary system embryology Dr. Yiğman	Histology of female reproductive system Dr. Seymen
11:30-12:20	Urinary bladder, urethra Dr. Atalar	Urinary system histology Dr. Yiğman	Urine excretion, diuresis Dr. Güney	Female internal and external genital organs Dr. Atalar	Importance of clearance in kidney functions Dr. Güney
13:30-14:20	Internal iliac artery, pudendal plexus Dr. Atalar	Medical English	PBL	Female internal and external genital organs Dr. Atalar	Reuptake events in nephron Dr. Güney
14:30-15:20	Pelvis and perineum Dr. Bahçelioğlu	Medical English	PBL	Functions of nephron Dr. Güney	Male internal and external genital organs Dr. Atalar
15:30-16:20	FREE STUDY TIME	Elective Course	PBL	Glomerular filtration Dr. Güney	Male internal and external genital organs Dr. Atalar
16:30-17:20	FREE STUDY TIME	Elective Course	PBL	FREE STUDY TIME	FREE STUDY TIME

3rd WEEK	27.03.2023 MONDAY	28.03.2023 TUESDAY	29.03.2023 WENESDAY	30.03.2023 THURSDAY	31.03.2023 FRIDAY
08:30-09:20	FREE STUDY TIME	Clinical and radiographic anatomy Dr. Bahçelioğlu	Clinical and radiographic anatomy Dr. Bahçelioğlu	Medical Action and Legal Responsibility of the Physician Dr. Çencen	FREE STUDY TIME
09:30-10:20	Histology of female reproductive system Dr. Seymen	Clinical and radiographic anatomy Dr. Bahçelioğlu	Clinical and radiographic anatomy Dr. Bahçelioğlu	FREE STUDY TIME	FREE STUDY TIME
10:30-11:20	Reuptake events in nephron Dr. Güney	Fluid electrolyte balance Dr. Güney	Functions of male gonads Dr. Sevgili	FREE STUDY TIME	Endocrine and Metabolic Changes in Pregnancy and Lactation Dr. Sevgili
11:30-12:20	Renal mechanisms for diluting and concentrating urine Dr. Güney	Regulation of Acid-Base balance Dr. Güney	Functions of male gonads Dr. Sevgili	Functions of female gonads Dr. Sevgili	Neonatal Physiology and Growth Dr. Sevgili
13:30-14:20	Histology of male reproductive system Dr. Özkoçer	Medical English	PBL	Functions of female gonads Dr. Sevgili	PANEL: In Vitro Fertilization
14:30-15:20	Histology of male reproductive system Dr. Özkoçer	Medical English	PBL	Reproductive system embryology Dr. Elmas	PANEL: In Vitro Fertilization
15:30-16:20	Histology of male reproductive system Dr. Özkoçer	Elective Course	PBL	Reproductive system embryology Dr. Elmas	Medical Ethics Principles Dr. Çencen
16:30-17:20	FREE STUDY TIME	Elective Course	PBL	Charter of Medical Deontology and Medical Ethics Dr. Çencen	Declarations of World Medical Association Dr. Çencen

4th WEEK	03.04.2023 MONDAY	04.04.2023 TUESDAY	05.04.2023 WENESDAY	06.04.2023 THURSDAY	07.04.2023 FRIDAY
08:30-09:20	Histology Lab 1	Histology Lab 3	Physiology Lab	FREE STUDY TIME	FREE STUDY TIME
09:30-10:20	Histology Lab 1	Histology Lab 3	Physiology Lab	FREE STUDY TIME	FREE STUDY TIME
10:30-11:20	Anatomy Lab 1	Histology Lab 4	Physiology Lab	FREE STUDY TIME	FREE STUDY TIME
11:30-12:20	Anatomy Lab 2	Histology Lab 4	Physiology Lab	FREE STUDY TIME	FREE STUDY TIME
13:30-14:20	Biochemistry Lab	Medical English	PBL	Gonadal hormones Dr. Karakaya	FREE STUDY TIME
14:30-15:20	Biochemistry Lab	Medical English	PBL	Gonadal hormones Dr. Karakaya	FREE STUDY TIME
15:30-16:20	Histology Lab 2	Elective Course	PBL	FREE STUDY TIME	FREE STUDY TIME
16:30-17:20	Histology Lab 2	Elective Course	PBL	FREE STUDY TIME	FREE STUDY TIME

5th week	10.04.2023 MONDAY	11.04.2023 TUESDAY	12.04.2023 WEDNESDAY	13.04.2023 THURSDAY	14.04.2023 FRIDAY
08.30-09.20	Free Study Time	Free Study Time	Free Study Time	Free Study Time	Free Study Time
09.30-10.20	Free Study Time	Free Study Time	Free Study Time	Free Study Time	EBM
10.30-11.20	Free Study Time	Free Study Time	Free Study Time	Free Study Time	EBM
11.30-12.20	Free Study Time	Free Study Time	Free Study Time	Free Study Time	Free Study Time
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