

GAZI UNIVERSITY FACULTY OF MEDICINE

III. YEAR, 2020-2021

ENDOCRINE, REPRODUCTIVE AND GENITOURINARY SYSTEMS COURSE

COMMITTEE

February 08, March 18, 2021,

Examination: March 19, 2021

COURSES	THEORETICAL	PANEL	LAB	PRACTISE	TOTAL
PATHOLOGY	28				28
PHARMACOLOGY	17				17
INTERNAL MEDICINE (Endocrinology)	12				12
INTERNAL MEDICINE (Nephrology)	13				13
PEDIATRY (Endocrinology)	5				5
PEDIATRY (Nephrology)	8				8
UROLOGY	3				3
OBSTETRICS AND GYNECOLOGY	11	(1x4 st)+ (1X2 st T.Gen. ile)			16
MICROBIOLOGY	7				7
BIOCHEMISTRY	8		1 1		10
RADIOLOGY	4				4
NUCLEAR MEDICINE	3				3
MEDICAL GENETICS	4	2X1 (KHD ile)			5
MEDICAL ETHICS AND DEONTOLOGY	5				5
PUBLIC HEALTH	3				3
TOTAL	130	6	2		138
COMMUNICATION SKILLSS				3X2	6
PROBLEM BASED LEARNING				3X2	6
ELECTIVE COURSE	6X2				12
MEDICAL ENGLISH	6X2				12
TOTAL	24			12	36
Free Run Time		67			
GENERAL TOTAL	154	6	2	12	174

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. M.Ali ERGÜN
Assistant Head Coordinator(Eng)	Prof.Dr. Akif Muhtar ÖZTÜRK
Assistant Head Coordinator	Assoc.Prof.Dr. Özlem COŞKUN
Phase III Coordinator	Assoc.Prof.Dr. Pınar UYAR GÖÇÜN
Assistant Phase III Coordinator (Eng)	Assoc.Prof.Dr. Ergin DİLEKÖZ
Assistant Phase III Coordinator (Eng)	Assoc.Prof.Dr. Hale Z. BATUR ÇAĞLAYAN
Assistant Phase III Coordinator	Assoc.Prof.Dr. Mehmet Muhittin YALÇIN
Assistant Phase III Coordinator	Asist.Prof.Dr. Salih TOPAL
Assistant Phase III Coordinator	Asist.Prof.Dr. N. Mutlu KARAKAŞ

Communication Skillss Coordinator	Prof.Dr.Bülent BOYACI
Problem Based Learning Coordinator	Assoc.Prof.Dr. Özlem COŞKUN
Elective Course Coordinator	Assoc.Prof.Dr.Ergin DİLEKÖZ
Medical English	Lecturer Sibel ÖZKIN

MEMBERS OF COURSE COMMITTEE

OBSTETRICS AND GYNECOLOGY	INTERNAL MEDICINE	PEDIATRICS
Dr. R. Onur KARABACAK Dr. Anıl ONAN Dr. Rıfat H. GÜRSOY Dr. M. Zeki TANER Dr.Merih BAYRAM Dr.Tuncay NAS Dr.Ahmet ERDEM Dr.Mehmet ERDEM Dr.Nuray BOZKURT Dr.Mesut ÖKTEM Dr. Deniz KARÇAALTINCABA Dr. İsmail GÜLER Dr.Erhan DEMİRDAĞ Dr.M.Funda CEVHER AKDULUM Dr.Esra İŞÇİ BOSTANCI	Endocrinology	Pediatric Nephrology
	Dr.Fusun B. TÖRÜNER Dr.Müjde AKTÜRK Dr.Alev E. ALTINOVA Dr.M.Muhittin YALÇIN	Dr.Sevcan BAKKALOĞLU-EZGÜ Dr.Oğuz SÖYLEMEZOĞLU Dr.Kibriya FİDAN Dr.Bahar BÜYÜKKARAGÖZ
	Nephrology	Pediatric Endocrinology
	Dr.Yasemin ERTEN Dr.Galip GÜZ Dr. Ülver DERİCİ Dr.Kadriye ALTOK	Dr.Orhun ÇAMURDAN

MEDICAL ETHICS DEONTOLOGY	UROLOGY	PHARMACOLOGY	PATHOLOGY	MICROBIOLOGY
Dr.Nesrin ÇOBANOĞLU	Dr.Bora KÜPELİ Dr. Ö. Serhat GÜROCAK Dr.Süleyman YEŞİL	Dr.Çimen KARASU Dr.Canan ULUOĞLU Dr.Ergin DİLEKÖZ	Dr.Aylar POYRAZ Dr. Özlem ERDEM Dr.İpek IŞIK GÖNÜL Dr.Pınar UYAR GÖÇÜN	Dr.Kayhan ÇAĞLAR Dr.Meltem YALINAY Dr. Ayşe KALKANCI
NUCLEAR MEDICINE	BIOCHEMISTRY	RADIOLOGY	PUBLIC HEALTH	MEDICAL GENETICS
Dr.Neşe İLGİN KARABACAK Dr.Ü.Özgür AKDEMİR	Dr. Neslihan BUKAN Dr.Aylin SEPİCİ DİNÇEL Dr.Orhan CANBOLAT	Dr.Öznur KONUŞ BOYUNAĞA Dr.Cem YÜCEL Dr.Serap GÜLTEKİN	Dr.Nur BARAN- AKSAKAL Dr.Asiye UĞRAŞ- DİKMEN	Dr.Meral YİRMİBEŞ KARAOĞUZ Dr.Mehmet Ali ERGÜN Dr.Gülsüm KAYHAN

AIM AND LEARNING OBJECTIVES FOR COURSE COMITTEE

Aim:

At the end of 29 working days, the students are expected; to gain knowledge about the clinical physiology of endocrine, reproductive, genital and urinary systems, to comprehend the basic concepts regarding the pathology, biochemistry, mechanisms of diseases and causes of illnesses, infectious agents, clinical features, laboratory and imaging findings, required pharmacological approach and the drugs used for the treatment of the diseases of these systems.

Learning Objectives:

Knowledge:

- LO-300-5-1** To be able to define terminology and symptomatology of endocrine, reproductive and urinary systems.
- LO-300-5-2** To be able to explain the hormonal physiology of the pituitary gland and hypothalamus, the pharmacological properties of hormones, the formation, pathology and clinical findings of the diseases of these structures, in childhood and adulthood.
- LO-300-5-3** To be able to list the functional physiology of the thyroid gland and the effects of hormones in childhood and adulthood, to classify diseases associated with thyroid gland and define the mechanisms of formation, to explain pathologies, clinical features and diagnostic methods of these diseases.
- LO-300-5-4** To be able to describe and explain the formation mechanisms, laboratory and imaging findings and clinical features of diseases of calcium metabolism, and the drugs used in the treatment of mineral disorders in adults.

- LO-300-5-5** To be able to explain the underlying mechanisms, biochemistry, pathology and clinical features of congenital and acquired diseases of the adrenal cortex and medulla and recite the corticosteroid and mineralocorticoid drugs used in the treatment of these diseases.
- LO-300-5-6** To be able to explain the mechanism of formation, the biochemistry, pathology and the clinical findings of diseases of the glucose metabolism, in childhood and adulthood.
- LO-300-5-7** To be able to list acute and long-term complications of diabetes mellitus and to be able to explain its clinical features, to be able to list pharmacological properties of insulin hormone and drugs used in the treatment of diabetes mellitus.
- LO-300-5-8** To be able to list the causes of obesity in childhood and adulthood and explain the mechanism of formation, to describe neuroendocrine control of energy metabolism and cite antiobesity drugs, to be able to comprehend the importance of obesity in terms of public health, to be aware of the problems occurring due to obesity, and to possess the knowledge of taking necessary precautions regarding public health.
- LO-300-5-9** To be able to explain the physiology of growth and to describe its disorders. to be able to list the physiological properties of puberty and to define disorders of puberty, to be able to explain biochemistry of disorders of gonadal hormones, to list the causes of male hypogonadism and define clinical its features.
- LO-300-5-10** To be able to classify and describe diseases of menstruation and ovulation disorders.
- LO-300-5-11** To be able to classify and describe the inflammatory and neoplastic diseases of female genital system organs and define pathological features, to be able to define the symptoms in gynecology, to be able to list the diagnostic methods based on clinical and imaging findings.
- LO-300-5-12** To be able to explain physiology of fetus and placenta, to be able to classify and describe placental and trophoblastic diseases
- LO-300-5-13** To be able to explain the physiology of pregnancy, the physiology of lactation, and the genesis of pregnancy, to be able to list pregnancy screening and prenatal diagnostic tests.
- LO-300-5-14** To be able to explain normal delivery physiology and mechanisms of labor.
- LO-300-5-15** To be able to explain reproductive physiology, define and classify infertility, explain diagnosis methods, to be able to be aware of the concept of gender in sociological terms, to label the significance of reproductive health and its problems.
- LO-300-5-16** To be able to define, list and explain birth control methods, to be able to classify and name the pharmacological agents used in contraception, to be able to explain the methods for genetic counseling.
- LO-300-5-17** To be able to describe the tests used in the diagnostic approach to kidney diseases, to be able to understand the evaluation of urinary system symptomatology, to be able to explain renal hemodynamics and urine formation.
- LO-300-5-18** To be able to define and interpret the mechanisms that form acid-base balance, to be able to describe and interpret liquid and electrolyte system disorders, to be able to explain the mechanism of action, pharmacokinetics, toxic effects, drug interactions and clinical applications of diuretics and the drugs used in the treatment of fluid-electrolyte and acid-base balance disorders.
- LO-300-5-19** To be able to evaluate the pathologies of urinary system diseases, to be able to define the diagnosis, pathology and clinical findings of glomerular diseases, to be able to enumerate the congenital anomalies of the urinary system and recall their diagnosis.

LO-300-5-20 To be able to know the approach to proteinuria and haematuria patients, to be able to know the approach to a patient with edema, to be able to interpret the underlying mechanisms of hypertension, to distinguish between primary and secondary causes, to select and interpret the tests for the identification of secondary causes.

LO-300-5-21 To be able to define cause-and-effect relationships of acute and chronic renal failure.

LO-300-5-22 To be able to recall specific and nonspecific infections of the urinary system, to be able to tell the types of urinary system stones and to define clinical manifestations, to be able to have knowledge about pathologies of the urogenital system tumors.

LO-300-5-23 To be able to label and interpret the imaging methods used in the diagnosis of urinary system diseases.

Attitude:

LO-300-5-24 To be able to comprehend the importance of diseases of endocrine, genital, urinary and reproductive systems, to be able to have a diagnostic approach and to develop a perspective of preventive medicine, to be able to recognize and distinguish the symptoms of the diseases and understand their importance.

Skills:

LO-300-5-25 To be able to carry out the laboratory diagnosis of infectious microorganisms of the genitourinary system.

LO-300-5-26 To be able to perform urinary system, breast and axillary examinations, to be able to perform the suturing and urinary catheter insertion Skills

LO-300-5-27 To be able to employ complete urine evaluation with urine strips and microscopy.

	February 8, 2021 MONDAY	February 9, 2021 TUESDAY	February 10, 2021, WEDNESDAY	February 11, 2021 THURSDAY	February 12, 2021 FRIDAY
10:00 10:30	Symptomatology of urinary tract Dr.G.Güz	Introduction to glomerular and tubular disorders Dr.S.B. Ezgü	Tubulointerstitial diseases Dr.G.Güz	Hypertension and its etiopathogenesis Dr.K.Altok	Physiopathology of acute renal failure Dr.Y.Erten
10:30 11:00	Disorders of electrolyte homeostasis Dr.B. Büyükkaragöz	Introduction to glomerular and tubular disorders Dr.S.Bakkaloğlu Ezgü	Pathology of tubulointerstitial diseases Dr.İ.Isik Gönül	Hypertension and its etiopathogenesis Dr.K.Altok	Physiopathology of acute renal failure Dr.Y.Erten
11:00 11:30	Disorders of electrolyte homeostasis Dr.B. Büyükkaragöz	Pathology of glomerular diseases with proteiuria Dr.I.Işık Gönül	Pathology of tubulointerstitial diseases Dr.İ.Isik Gönül		Physiopathology of chronic renal failure Dr.U.Derici
11:30 12:00	Free Run-Time	Pathology of glomerular diseases with proteiuria Dr.I.Işık Gönül	Diabetic nephropathy Dr. K.Altok		Physiopathology of chronic renal failure Dr.U.Derici
14:00 14:30		Pathology of glomerular diseases with hematuria Dr.İ.Isik Gönül	Acid base balance Dr.G.Güz	Pathogenesis of edema Dr.Y. Erten	Kidney function tests Dr.O.Canbolat
14:30 15:00		Pathology of vascular kidney diseases Dr.İ.Isik Gönül	Acid base balance Dr.G.Güz	Diuretics Dr.C.Uluoglu	Kidney function tests Dr.O.Canbolat
15:00 15:30		Renal involvement in systemic diseases Dr. O. Söylemezoğlu	Drugs used in fluid and electrolyte disorders Dr.E.Dileköz	Diuretics Dr.C.Uluoglu	Nefrotic syndrome Dr.K.Fidan
15:30 16:00	Free Run-Time	Renal involvement in systemic diseases Dr. O. Söylemezoğlu	Free Run-Time	Renal diseases and pregnancy Dr.U.Derici	Nefrotic syndrome Dr.K.Fidan

	February 15, 2021 MONDAY	February 16, 2021 TUESDAY	February 17, 2021 WEDNESDAY	February 18, 2021 THURSDAY	February 19, 2021 FRIDAY
10:00 10:30	Free Run-Time	Physiopathology of urinary obstructions Dr.S.Gürocak	Biochemistry of diabetes Dr.A.Sepici Dinçel	Symptomatology of endocrin system Dr.M.M.Yalçın	PBL 1st session
10:30 11:00	Pathology of diseases of prostate gland Dr.İ.Isik Gönül	Free Run-Time	Diagnosis and types of diabetes mellitus Dr.A.Eroğlu Altınova	Pituitary diseases Dr.M.M.Yalçın	PBL 1st session
11:00 11:30	Pathology of testis and epididymis Dr.İ.Isik Gönül	Radiology of the urinary system Dr.C.Yücel	Etiopathogenesis and clinical finding of diabetes mellitus Dr.A.Eroğlu Altınova	Pathology of pituitary gland diseases Dr.A.Poyraz	PBL 1st session
11:30 12:00	Pathology of testis and epididymis Dr.İ.Isik Gönül	Urinary system and nuclear medicine Dr.U.O.Akdemir	Acute and chronic complications of <u>diabetes mellitus</u> Dr.A.Eroğlu Altınova	Pathology of endocrine pancreas Dr. Ö.Erdem	PBL 1st session
14:00 14:30	Pathology of renal cystic diseases and tumors Dr. İ.Isik Gönül	Physiopathology of urinary stone diseases Dr.B.Küpelı	Insulin, oral antidiabetic drugs and pharmacology of endocrine pancreas Dr.Ç.Karasu	Principles of endocrine pharmacology and mechanisms of hormone action Dr.Ç.Karasu	Free Run-Time
14:30 15:00	Pathology of renal cystic diseases and tumors Dr. İ.Isik Gönül	Physiopathology of non-specific urinary tract infections Dr.S.Yeşil	Insulin, oral antidiabetic drugs and pharmacology of endocrine pancreas Dr.Ç.Karasu	Drugs related with prolactin, growth hormone and antidiuretic hormone Dr. Ç.Karasu	Free Run-Time
15:00 15:30	Pathology of Cystitis and urinary bladder tumors Dr.İ.Isik Gönül	Drugs used in urinary infections Dr.C.Uluoglu	LABORATORY Medical Biochemistry	Free Run-Time	Free Run-Time
15:30 16:00	Congenital abnormalities of the kidneys and vesicoureteral reflux Dr.İ.Isik Gönül	Free Run-Time		Urine dipsticks and microscopy Dr.A.Sepici Dinçel	Free Run-Time

	February 22, 2021 MONDAY	February 23, 2021 TUESDAY	February 24, 2021 WEDNESDAY	February 25, 2021 THURSDAY	February 26, 2021 FRIDAY
10:00 10:30	Free Run-Time	Biochemistry of well-fed state and starvation Dr.A. Sepici Dinçel	Biochemistry of thyroid diseases Dr.N.Bukan	Free Run-Time	PBL 2nd session
10:30 11:00	Hypoglycemia during childhood Dr.O. Çamurdan	Biochemistry of well-fed state and starvation Dr.A. Sepici Dinçel	Pathology of thyroid diseases Dr.A.Poyraz	Free Run-Time	PBL 2nd session
11:00 11:30	Obesity in childhood Dr. O. Çamurdan	LABORATORY MEDICAL BIOCHEMISTRY Transaminases Dr.A.Sepici Dinçel	Pathology of thyroid diseases Dr.A.Poyraz	Free Run-Time	PBL 2nd session
11:30 12:00	Obesity in adults, Cushing syndrome-Metabolic syndrome Dr.M.M.Yalçın		Inherited Metabolic Disorders Dr.M.M.Yalçın	Free Run-Time	PBL 2nd session
14:00 14:30	Obesity and Prevention Methods Dr.F.N.Baran Aksakal	Genetic aspects of growth retardation Dr.M.Y. Karaoğuz	Childhood thyroid disease Dr.O. Çamurdan	Radionuclide therapy in thyroid pathology Dr.N.İ. Karabacak	Communication Skills Schedule 1st section
14:30 15:00	Neuroendocrine regulation of energy metabolism and antiobesity drugs Dr.Ç.Karasu	Genetic aspects of overgrowth Dr.M.Y. Karaoğuz	Thyroid and anti-thyroid drugs Dr.Ç.Karasu	Euthyroid goiter, thyroid nodules and thyroid cancer Dr.F.B. Törüner	Communication Skills Schedule 1st section
15:00 15:30	Neuroendocrine regulation of energy metabolism and antiobesity drugs Dr.Ç.Karasu	Free Run-Time	Basic radiological findings in endocrine diseases Dr.Ö.K.Boyunağa	Hypothyroidism and thyroiditis Dr.F.B. Törüner	Communication Skills Schedule 1st section
15:30 16:00	Free Run-Time	Free Run-Time	Endocrine system and nuclear medicine Dr.U.O.Akdemir	Hyperthyroidism Dr.F.B. Törüner	Communication Skills Schedule 1st section

	March 1, 2021 MONDAY	March 2, 2021 TUESDAY	March 3, 2021 WEDNESDAY	March 4, 2021 THURSDAY	March 5, 2021 FRIDAY
10:00 10:30	Biochemistry of adrenal glands disorders Dr.N.Bukan	Biochemistry of gonadal hormon disorders Dr.A.Sepici Dinçel	PANEL Congenital fetal anomalies and teratology Dr.M.F:Cevher Akdulum (K.Doğum) Dr. M.A.Ergün (T.Genetik)	Evaluation of a couple with infertility Dr.A.Erdem	PBL 3 rd session
10:30 11:00	Pathology of adrenal gland diseases Dr.A.Poyraz	Corticosteroids and mineralocorticoids Dr.Ç.Karasu		Normal and abnormal labor Dr.M.Z.Taner	PBL 3 rd session
11:00 11:30	Pathology of adrenal gland diseases Dr.A.Poyraz	Androgens and anabolic steroids Dr.Ç.Karasu		Family planning and contraception Dr.O.Karabacak	PBL 3 rd session
11:30 12:00	Free Run-Time	Hypogonadism Dr.M.Aktürk	Current view of amenorrhoea Dr.R.Gürsoy	Free Run-Time	PBL 3 rd session
14:00 14:30	Adrenal insufficiency in childhood Dr.O.Çamurdan	Free Run-Time	Management of high-risk pregnancies Dr. M.Bayram	Keeping medical secrets and confidentiality principle (Legal, deontological and ethical aspects) Dr.N.Çobanoğlu	Communication Skills Schedule 3rd section
14:30 15:00	Congenital adrenal hyperplasia Dr.O. Çamurdan	Hypo and hypercalcemia Dr.M.Aktürk	Abnormal uterine bleeding Dr.E.Demirdağ	Physician-patient relationship in the light of medical ethics Dr.N.Çobanoğlu	Communication Skills Schedule 3rd section
15:00 15:30	Genetic approach of ambiguous genitalia Dr.G.Kayhan	Pathology of parathyroid diseases Dr.A.Poyraz	Genetic aspects of prenatal diagnosis Dr.M.Y.Karaoğuz	Free Run Time	Communication Skills Schedule 3rd section
15:30 16:00	Free Run-Time	Drugs affecting bone mineral homeostasis Dr.Ç.Karasu	Free Run Time	Free Run Time	Communication Skills Schedule 3rd section

	March 8, 2021 MONDAY	March 9, 2021 TUESDAY	March 10, 2021 WEDNESDAY	March 11, 2021 THURSDAY	March 12, 2021 FRIDAY
10:00 10:30	PANEL Stages of life of a woman (intrauterine, pediatric, adolescent, reproductive, postmenopausal terms) Dr. M.Erdem Dr.M.Öktem Dr. İ.Güler	Chronic pelvic pain and dysmenorrhea Dr.N.Bozkurt	Pathology of diseases of vulva and vagina Dr.Ö.Erdem	Respect for life principles; definition of death, euthanasia, life support, abortion Dr.N.Çobanoğlu	Bacterial agents of the genitourinary tract infection 1: Neisseria gonorrhoeae, Chlamydia Dr.M.Yalınay
10:30 11:00		Oxytocic and tocolytic drugs Dr.Ç.Karasu	Pathology of diseases of cervix Dr.Ö.Erdem	Contemporary ethical issues, birth control, assisted reproductive techniques, abortion Dr.N.Çobanoğlu	Bacterial agents of the genitourinary tract infection 2: Mycoplasma, Ureoplasma Dr.M.Yalınay
11:00 11:30		Contraceptive drugs Dr.Ç. Karasu	Ovarian tumors Dr.Ö.Erdem	Ethical aspects of genetic applications Dr.N.Çobanoğlu	Viral agents of the genitourinary tract infection 1: HPV Dr.M.Yalınay
11:30 12:00		Gonadal hormones and inhibitors (Estrogens and progestins) Dr.Ç.Karasu	Gestational and trophoblastic diseases Dr.Ö.Erdem	Genital infections and sexually transmitted diseases Dr.E.İşçi Bostancı	Viral agents of the genitourinary tract infection 2: Herpesvirus Dr.M.Yalınay
14:00 14:30	Hyperemesis gravidarum Dr.T.Nas	Gender Mainstreaming Dr. A.U. Dikmen	Pathology of uterus and fallopian tubes Dr.Ö.Erdem	Pathology of breast diseases Dr.P.U.Göçün	Rubella virus Dr. K.Çağlar
14:30 15:00	Problems in early pregnancy Dr.D. Karcaaltıncaba	Reproductive Health Dr. A.U. Dikmen	Pathology of uterus and fallopian tubes Dr.Ö.Erdem	Pathology of breast diseases, Dr.P.U.Göçün	Toxoplasma Dr. K.Çağlar
15:00 15:30	Free Run Time	Free Run-Time	Management of pelvic masses Dr.A.Onan	Radiology of the breast Dr.S. Gültekin	Fungal and parasitic agents of the genitourinary tract infection: Trichomonas and Candida Dr.A.Kalkancı
15:30 16:00	Free Run-Time	Free Run-Time	Radiology of the reproductive organs Dr.C.Yücel	Free Run-Time	Free Run-Time

	March 15, 2021 MONDAY	March 16, 2021 TUESDAY	March 17, 2021 WEDNESDAY	March 18, 2021 THURSDAY	March 19, 2021 FRIDAY
10:00 10:30	Free Run-Time	Free Run-Time	Free Run-Time	Free Run-Time	YEAR III COURSE V EXAM
10:30 11:00	Free Run-Time	Free Run-Time	Free Run-Time	Free Run-Time	
11:00 11:30	Free Run-Time	Free Run-Time	Free Run-Time	Free Run-Time	
11:30 12:00	Free Run-Time	Free Run-Time	Free Run-Time	Free Run-Time	
14:00 14:30	Free Run-Time	Free Run-Time	Free Run-Time	Free Run-Time	
14:30 15:00	Free Run-Time	Free Run-Time	Free Run-Time	Free Run-Time	
15:00 15:30	Free Run-Time	Free Run-Time	Free Run-Time	Free Run-Time	
15:30 16:00	Free Run-Time	Free Run-Time	Free Run-Time	Free Run-Time	