

GAZI UNIVERSITY FACULTY OF MEDICINE
PHASE III 2019-2020
ENDOCRINE, REPRODUCTIVE AND GENITOURINARY SYSTEMS
COURSE COMMITTEE
February 17 – March 26 2020
Exam : March 27, 2020, 9.30am

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	4				4
OBSTETRICS AND GYNECOLOGY	10	(1x4 st)+ (1X2 st T.Gen. ile)			15
MICROBIOLOGY	7				7
BIOCHEMISTRY	8		1X4		12
RADIOLOGY	4				4
NUCLEAR MEDICINE	3				3
MEDICAL GENETICS	3	2X1 (KHD ile)			4
MEDICAL ETHICS AND DEONTOLOGY	5				5
PUBLIC HEALTH	3				3
TOTAL	130	6	4		140
CLINICAL SKILLS EDUCATION (Breast and Axillary Examination Skill)				1X4	4
ELECTIVE COURSE	6X2				12
MEDICAL ENGLISH	6X2				12
TOTAL	24			4	28
Questions Analysis and Feedback	1				1
Free Run Time			50		
GENERAL TOTAL	155	6	4	8	173

Dean	Prof.Dr. Mehmet Sadık DEMİRSOY
Vice Dean	Prof.Dr. Taner AKAR
Vice Dean	Assoc.Prof.Dr. Sevil ÖZGER-İLHAN
Head Coordinator	Prof. Dr. Çiğdem ÖZER
Assistant Head Coordinator (Eng)	Prof.Dr. Mehmet Ali ERGÜL
Assistant Head Coordinator	Prof.Dr. İrem BUDAKOĞLU
Phase III Coordinator	Assoc.Prof.Dr. İlyas OKUR
Assistant Phase III Coordinator	Assoc.Prof.Dr. Ergin DİLEKÖZ
Assistant Phase III Coordinator	Assos.Prof.Dr. Pınar UYAR GÖÇÜN
Assistant Phase III Coordinator	Assoc.Prof. Dr. Hale Zeynep BATUR ÇAĞLAYAN
Assistant Phase III Coordinator	Lecturer Dr. Salih TOPAL
Assistant Phase III Coordinator	Lecturer Dr. N.Mutlu KARAKAŞ
Course Committee Heads	Prof.Dr. Mesut ÖKTEM Prof.Dr. Ülver DERİCİ

Clinical Skills Education (CSE) Coordinator	Assoc.Prof. Dr.Baybars ATAÖĞLU
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. Rifat 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		Endocrinology	Pediatric Nephrology	
		Dr. Ayhan KARAKOÇ Dr. Füsün 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. Lütfi TUNÇ 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. Öznur KONUS BOYUNAĞA Dr. Cem YÜCEL Dr. Serap GÜLTEKİN	Dr. Nur BARAN-AKSAKAL Dr. Asiye UĞRAŞ-DİKMEN	Dr. Meral YİRMİBEŞ KARAOĞUZ Dr. Mehmet Ali ERGÜL

AIM AND LEARNING OBJECTIVES FOR COURSE COMMITTEE

Aim:

At the end of 33 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 17, 2020 Monday	February 18, 2020 Tuesday	February 19, 2020 Wednesday	February 20, 2020 Thursday	February 21, 2020 Friday
08:30- 09:20	Communication Skills Exam	Free Run-Time (PHASE I COURSE 3 EXAM)	Pathology of glomerular diseases with proteiuuria Dr.I.Işık Gönül	Free Run-Time	Free Run-Time
09:30- 10:20			Pathology of glomerular diseases with proteiuuria Dr.I.Işık Gönül	Drugs used in fluid and electrolyte disorders Dr.E.Dileköz	Pathology of renal cystic diseases and tumors Dr. İ.Isik Gönül
10:30- 11:20			Pathology of glomerular diseases with hematuria Dr.İ.Isik Gönül	Kidney function tests Dr.A.Sepici Dinçel	Pathology of renal cystic diseases and tumors Dr. İ.Isik Gönül
11:30- 12:20			Pathology of vascular kidney diseases Dr.İ.Isik Gönül	Kidney function tests Dr.A.Sepici Dinçel	Pathology of Cystitis and urinary bladder tumors Dr.İ.Isik Gönül
13:30- 14:20	Communication Skills Exam	Symptomatology of urinary tract Dr.G.Güz	ELECTIVE COURSE	Tubulointerstitial diseases Dr.G.Güz	Pathology of diseases of prostate gland Dr.İ.Isik Gönül
14:30- 15:20		Disorders of electrolyte homeostasis Dr.B. Büyükkaragöz	ELECTIVE COURSE	Pathology of tubulointerstitial diseases Dr.İ.Isik Gönül	Pathology of testis and epididymis Dr.İ.Isik Gönül
15:30- 16:20		Disorders of electrolyte homeostasis Dr.B. Büyükkaragöz	MEDICAL ENGLISH	Pathology of tubulointerstitial diseases Dr.İ.Isik Gönül	Pathology of testis and epididymis Dr.İ.Isik Gönül
16:30- 17:20		Questions Analysis of 4st Committee Exam and Feedback Lecturer and coordinators	MEDICAL ENGLISH	Congenital abnormalities of the kidneys and vesicoureteral reflux Dr.İ.Isik Gönül	Free Run-Time

	February 24, 2020 Monday	February 25, 2020 Tuesday	February 26, 2020 Wednesday	February 27, 2020 Thursday	February 28, 2020 Friday
08:30- 09:20	Acid base balance Dr.G.Güz	Free Run-Time	Diabetic nephropathy Dr. K.Altok	Physiopathology of urinary obstructions Dr.S.Gürocak	Free Run Time (PHASE II- COURSE 3 EXAM)
09:30- 10:20	Acid base balance Dr.G.Güz	Renal involvement in systemic diseases Dr. O. Söylemezoğlu	Renal diseases and pregnancy Dr.U.Derici	Physiology of micturition and neurogenic bladder Dr.L.Tunç	
10:30- 11:20	Introduction to glomerular and tubular disorders Dr.S.Bakkaloğlu Ezgü	Renal involvement in systemic diseases Dr. O. Söylemezoğlu	Diuretics Dr.C.Uluoglu	Physiopathology of acute renal failure Dr.Y.Erten	
11:30- 12:20	Introduction to glomerular and tubular disorders Dr.S.Bakkaloğlu Ezgü	Pathogenesis of edema Dr.Y. Erten	Diuretics Dr.C.Uluoglu	Physiopathology of acute renal failure Dr.Y.Erten	
13:30- 14:20	LABORATORY BIOCHEMISTRY Urine dipsticks and microscopy Dr.N.Bukan Dr.A.Sepici Dinçel	Hypertension and its etiopathogenesis Dr.K.Altok	ELECTIVE COURSE	Physiopathology of chronic renal failure Dr.U.Derici	Physiopatholog y of urinary stone diseases Dr.B.Küpeli
14:30- 15:20		Hypertension and its etiopathogenesis Dr.K.Altok	ELECTIVE COURSE	Physiopathology of chronic renal failure Dr.U.Derici	Physiopatholog y of non- specific urinary tract infections Dr.S.Yeşil
15:30- 16:20		Nefrotic syndrome Dr.K.Fidan	MEDICAL ENGLISH	Radiology of the urinary system Dr.C.Yücel	Drugs used in urinary infections Dr.C.Uluoglu
16:30- 17:20		Nefrotic syndrome Dr.K.Fidan	MEDICAL ENGLISH	Urinary system and nuclear medicine Dr.U.O.Akdemir	Free Run Time

	March 2, 2020 Monday	March 3, 2020 Tuesday	March 4, 2020 Wednesday	March 5, 2020 Thursday	March 6, 2020 Friday
08:30-09:20	Free Run Time	Free Run Time	Free Run Time	Free Run Time	Free Run Time
09:30-10:20	Symptomatology of endocrin system Dr.M.M.Yalçın	Biochemistry of diabetes Dr.A.Sepici Dinçel	Acute and chronic complications of diabetes mellitus Dr.A.Eroğlu Altınova	Biochemistry of well-fed state and starvation Dr.A. Sepici Dinçel	Biochemistry of thyroid diseases Dr.N.Bukan
10:30-11:20	Principles of endocrine pharmacology and mechanisms of hormone action Dr.Ç.Karasu	Diagnosis and types of diabetes mellitus Dr.A.Eroğlu Altınova	Obesity in adults, Cushing syndrome-Metabolic syndrome Dr.M.M.Yalçın	Biochemistry of well-fed state and starvation Dr.A. Sepici Dinçel	Pathology of thyroid diseases Dr.A.Poyraz
11:30-12:20	Drugs related with prolactin, growth hormone and antidiuretic hormone Dr. Ç.Karasu	Etiopathogenesis and clinical finding of diabetes mellitus Dr.A.Eroğlu Altınova	Obesity and Prevention Methods Dr.F.N.Baran Aksakal	Genetic aspects of growth retardation Dr.M.Yirmi beş Karaoğuz	Pathology of thyroid diseases Dr.A.Poyraz
13:30-14:20	Pituitary diseases Dr.M.M.Yalçın	Hypoglycemia during childhood Dr.O. Çamurdan	ELECTIVE COURSE	Genetic aspects of overgrowth Dr.M.Yirmibeş Karaoğuz	Childhood thyroid disease Dr.O. Çamurdan
14:30-15:20	Pathology of pituitary gland diseases Dr.A.Poyraz	Obesity in childhood Dr. O. Çamurdan	ELECTIVE COURSE	Neuroendocrine regulation of energy metabolism and antiobesity drugs Dr.Ç.Karasu	Thyroid and anti-thyroid drugs Dr.Ç.Karasu
15:30-16:20	Pathology of endocrine pancreas Dr. Ö.Erdem	Insulin, oral antidiabetic drugs and pharmacology of endocrine pancreas Dr.Ç.Karasu	MEDICAL ENGLISH	Neuroendocrine regulation of energy metabolism and antiobesity drugs Dr.Ç.Karasu	Basic radiological findings in endocrine diseases Dr.Ö. Konuş Boyunağa
16:30-17:20	Free Run Time	Insulin, oral antidiabetic drugs and pharmacology of endocrine pancreas Dr.Ç.Karasu	MEDICAL ENGLISH	Free Run Time	Endocrine system and nuclear medicine Dr.U.O.Akdemir

	March 9, 2020 Monday	March 10, 2020 Tuesday	March 11, 2020 Wednesday	March 12, 2020 Thursday	March 13, 2020 Friday
08:30-09:20	Free Run Time	Free Run Time	Hypogonadism Dr.M.Aktürk	PANEL Stages of life a woman (intrauterine, pediatric, adolescent, reproductive, postmenopausal terms) Dr. M.Erdem Dr.M.Öktem Dr. İ.Güler	Free Run Time
09:30-10:20	Euthyroid goiter, thyroid nodules and thyroid cancer Dr.F.B. Törüner	Adrenal insufficiency in childhood Dr.O.Çamurdan	Hypo and hypercalcemia Dr.M.Aktürk		PANEL Congenital fetal anomalies and teratology Dr.T.Nas (K.Doğum) Dr. M.A.Ergül (T.Genetik)
10:30-11:20	Hypothyroidism and thyroiditis Dr.F.B. Törüner	Congenital adrenal hyperplasia Dr.O. Çamurdan	Pathology of parathyroid diseases Dr.A.Poyraz		Current view of amenorrhea
11:30-12:20	Hyperthyroidism Dr.F.B. Törüner	Genetic approach of ambiguous genitalia Dr.M.Yirmibeş Karaoğuz	Drugs affecting bone mineral homeostasis Dr.Ç.Karasu		Dr.R.Gürsoy
13:30-14:20	Radionucleide therapy in thyroid pathology Dr.N.İlgin Karabacak	Biochemistry of gonadal hormon disorders Dr.A.Sepici Dinçel	ELECTIVE COURSE	Hyperemesis gravidarum Dr.M.F.Cevher Akdulum	Management of high-risk pregnancies Dr. M.Bayram
14:30-15:20	Biochemistry of adrenal glands disorders Dr.N.Bukan	Corticosteroids and mineralocorticoids Dr.Ç.Karasu	ELECTIVE COURSE	Problems in early pregnancy Dr.D. Karcaaltıncaba	Abnormal uterine bleeding Dr.E.Demirdağ
15:30-16:20	Pathology of adrenal gland diseases Dr.A.Poyraz	Androgens and anabolic steroides Dr.Ç.Karasu	MEDICAL ENGLISH	Free Run Time	Genetic aspects of prenatal diagnosis Dr.M.Y.Karaoğuz
16:30-17:20	Pathology of adrenal gland diseases Dr.A.Poyraz	Free Run Time	MEDICAL ENGLISH	Free Run Time	Free Run Time

	March 16, 2020 Monday	March 17, 2020 Tuesday	March 18, 2020 Wednesday	March 19, 2020 Thursday	March 20, 2020 Friday
08:30-09:20	Free Run Time	Free Run Time	Free Run Time	Free Run Time	Clinical Skills Education (Breast and Axillary Examination Skill)
09:30-10:20	Evaluation of a couple with infertility Dr.A.Erdem	Chronic pelvic pain and dysmenorrhea Dr.N.Bozkurt	Ovarian tumors Dr.Ö.Erdem	Pathology of uterus and fallopian tubes Dr.Ö.Erdem	
10:30-11:20	Normal and abnormal labor Dr.M.Z.Taner	Oxytocic and tocolytic drugs Dr.Ç.Karasu	Gestational and trophoblastic diseases Dr.Ö.Erdem	Pathology of uterus and fallopian tubes Dr.Ö.Erdem	
11:30-12:20	Family planning and contraception Dr.O.Karabacak	Contraceptive drugs Dr.Ç. Karasu	Approach to pelvic masses Dr.A.Onan	Radiology of the reproductive organs Dr.C.Yücel	
13:30-14:20	Gonadal hormones and inhibitors (Estrogens and progestins) Dr.Ç.Karasu	Gender Mainstreaming Dr. A.U. Dikmen	ELECTIVE COURSE	Ethical aspects of genetic applications Dr.N.Çobanoğlu	Pathology of breast diseases Dr.P.U.Göçün
14:30-15:20	Respect for life principles; definition of death, euthanasia, life support, abortion Dr.N.Çobanoğlu	Reproductive Health Dr. A.U. Dikmen	ELECTIVE COURSE	Keeping medical secrets and confidentiality principle (Legal, deontological and ethical aspects) Dr.N.Çobanoğlu	Pathology of breast diseases Dr.P.U.Göçün
15:30-16:20	Contemporary ethical issues, birth control, asisted reproductive techniques, abortion Dr.N.Çobanoğlu	Pathology of diseases of vulva and vagina Dr.Ö.Erdem	MEDICAL ENGLISH	Physician-patient relationship in the light of medical ethics Dr.N.Çobanoğlu	Radiology of the breast Dr.S. Gültekin
16:30-17:20	Free Run Time	Pathology of diseases of cervix Dr.Ö.Erdem	MEDICAL ENGLISH	Free Run Time	Free Run Time

	March 23, 2020 Monday	March 24, 2020 Tuesday	March 25, 2020 Wednesday	March 26, 2020 Thursday	March 27, 2020 Friday
08:30-09:20	Free Run Time	Free Run Time	Free Run Time	Free Run Time	PHASE III COURSE V EXAM 9.30am
09:30-10:20	Bacterial agents of the genitourinary tract infection 1: Neisseria gonorrhoeae, Chlamydia Dr.M.Yalınay	Viral agents of the genitourinary tract infection 1: HPV Dr.M.Yalınay	Free Run Time	Free Run Time	
10:30-11:20	Bacterial agents of the genitourinary tract infection 2: Mycoplasma, Ureoplasma Dr.M.Yalınay	Viral agents of the genitourinary tract infection 2: Herpesvirüsler Dr.M.Yalınay	Free Run Time	Free Run Time	
11:30-12:20	Fungal and parasitic agents of the genitourinary tract infection: Trichomonas ve Candida Dr.A.Kalkancı	Genital infections and sexually transmitted diseases Dr.M.F.Cevher Akdulum	Free Run Time	Free Run Time	
13:30-14:20	Rubella virüs Dr. K.Çağlar	Free Run Time	ELECTIVE COURSE	Free Run Time	Free Run Time
14:30-15:20	Toxoplasma Dr. K.Çağlar	Free Run Time	ELECTIVE COURSE	Free Run Time	Free Run Time
15:30-16:20	Free Run Time	Free Run Time	MEDICAL ENGLISH	Free Run Time	Free Run Time
16:30-17:20	Free Run Time	Free Run Time	MEDICAL ENGLISH	Free Run Time	Free Run Time

EXAM: March 27, 2020; 09:30am