

**BİRÜNİ ENGLISH MEDICAL SCHOOL
ENDOCRINE SYSTEM COMMITTEE OF PHASE III**

AIM

To provide students the knowledge, attitude and skills regarding the etiopathogenesis, symptoms, signs, clinical, laboratory and histopathological features of endocrine system diseases, as well as the general principles of diagnosis and treatment.

LEARNING OBJECTIVES

At the end of this committee,

In terms of Basic Sciences the students;

1. Will be able to describe the embryological development of the pituitary, adrenal gland, thyroid and parathyroid, and in which period they differentiate.
2. Will be able to tell the anatomical and histological structure of all endocrine organs.
3. Will be able to explain the physiological function of all endocrine organs and their contribution to homeostatic control.
4. Will be able to explain the general mechanism of action and biochemical properties of hormones.

In terms of Clinical Sciences the students;

1. Will be able to explain the pathological features, etiopathogenesis of all endocrine system diseases. 2. Will be able to describe the symptoms, diagnostic methods and clinical findings of all endocrine system diseases.
3. Will be able to list the pharmacological properties of drugs used in all endocrine system diseases.
4. Will be able to evaluate laboratory findings in endocrine diseases

Contribution of the learning outcomes of the course to the learning outcomes of the program

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
LO1	3	1	2	1	1	1	1	2
LO2	3	1	1	1	1	1	1	1
LO3	3	1	2	1	1	1	2	2
LO4	3	1	2	1	1	1	1	2
LO5	5	1	3	1	2	2	2	2
LO6	5	1	3	1	2	2	3	3
LO7	5	1	1	1	2	2	3	3
LO8	5	1	2	1	2	2	3	2

Classroom: R410

ENDOCRINE SYSTEM COMMITTEE (6 WEEKS; November 28 -January 6)

LECTURE	LECTURER	THEORETICAL	PRACTICE	TOTAL
Anatomy	Prof. Dr. Ahmet SINAV	3	2	5
Medical Biochemistry	Prof.Dr.Ahmet BELCE	18		18
HISTOLOGY & EMBRYOLOGY	Assoc.Prof.Dr.Nazlı Ece ORDUERİ	12	4	16
Physiology	Assist.Prof.Dr. Muhsine Sinem ETHEMOĞLU	13		13
Microbiology	Prof. Dr. Görkem YAMAN	4		4
Microbiology	Asst.Prof.Dr. Yağmur EKENOĞLU MERDAN	2		2
Medical Pathology	Prof. Dr. Sema Dilek ARICI	6	2	10
Medical Pathology	Assoc. Prof. Dr.Mehtat ÜNLÜ	6		6
Medical Pharmacology	Prof.Dr. Atilla KARAALP	15		15
ICP/USMLE	Asst.Prof.Dr. Tümay SADIKOĞLU	5		5
Pediatrics	Prof. Dr. Erol KISMET	4		4
Endocrinology	Assoc. Prof. Dr. Nujen ÇOLAK BOZKURT	4		4
TOTAL		92	8	102

ENDOCRINE SYSTEM COMMITTEE / WEEK I					
NOV 29- DEC 2	28.11.2022 Monday	29.11.2022 Tuesday	30.11.2022 Wednesday	01.12.2022 Thursday	02.12.2022 Friday
08:30-09:15	INDEPENDENT LEARNING	COMMITTEE EXAM	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
09:25-10:10	INDEPENDENT LEARNING		INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
10:20-11:05	INDEPENDENT LEARNING		INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
11:15-12:00	INDEPENDENT LEARNING		INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
BREAK					
13:00- 13:45	INDEPENDENT LEARNING	COMMITTEE EXAM	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
13:55-14:40	INDEPENDENT LEARNING		INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
14:50- 15:35	INDEPENDENT LEARNING		INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
15:45-16:30	INDEPENDENT LEARNING		INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
16:40- 17:25	INDEPENDENT LEARNING		INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING

ENDOCRINE SYSTEM COMMITTEE / WEEK II					
DEC 5-DEC 9	05.12.2022 Monday	06.12.2022 Tuesday	07.12.2022 Wednesday	08.12.2022 Thursday	09.12.2022 Friday
08:30-09:15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
09:25-10:10	Introduction to Endocrine System ANATOMY Ahmet SINAV	Hypothalamus hormones and associated endocrine tests MEDICAL BIOCHEMISTRY Ahmet BELCE	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
10:20-11:05	Thyroid and parathyroid glands ANATOMY Ahmet SINAV	Introduction to endocrinology and mechanism of action of hormones PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	INDEPENDENT LEARNING	Thyroid hormones and associated endocrine tests I MEDICAL BIOCHEMISTRY Ahmet BELCE	Physiology of Thyroid Hormones PHYSIOLOGY Muhsine Sinem ETHEMOĞLU
11:15-12:00	Suprarenal gland ANATOMY Ahmet SINAV		Hormones of Hypothalamus and Pituitary PHYSIOLOGY Muhsine Sinem ETHEMOĞLU		
BREAK					
13:00- 13:45	Endocrine System ANATOMY LAB Ahmet SINAV	Histology and Development of the Pineal Gland HISTOLOGY & EMBRYOLOGY NAZLI ECE ORDUERI	Hormones of Hypothalamus and Pituitary PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Histology of the Thyroid and Parathyroid Glands and its Development HISTOLOGY & EMBRYOLOGY NAZLI ECE ORDUERI	INDEPENDENT LEARNING
13:55-14:40			History taking, physical examination, symptoms and findings in the Endocrine System in ENDOCRINOLOGY Nujen ÇOLAK BOZKURT		INDEPENDENT LEARNING
14:50- 15:35	Histology and Development of the Pituitary Gland HISTOLOGY & HISTOLOGY & EMBRYOLOGY NAZLI ECE ORDUERI	Pituitary hormones and associated endocrine tests MEDICAL BIOCHEMISTRY Ahmet BELCE	Goitre, Hyperthyroidism and Hypothyroidism ENDOCRINOLOGY Nujen ÇOLAK BOZKURT	Endocrine System Group 1 HISTOLOGY Nazlı Ece ORDUERI	Hormones Regulating Calcium-Phosphate Metabolism and Associated Endocrine Tests MEDICAL BIOCHEMISTRY Ahmet BELCE
15:45-16:30			INDEPENDENT LEARNING	Endocrine System Group 2 HISTOLOGY Nazlı Ece ORDUERI	
16:40- 17:25	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING

ENDOCRINE SYSTEM COMMITTEE / WEEK III					
DEC 12- DEC 16	12.12.2022 Monday	13.12.2022 Tuesday	14.12.2022 Wednesday	15.12.2022 Thursday	16.12.2022 Friday
08:30-09:15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
09:25-10:10	Pancreatic Hormones and Associated Endocrine Tests MEDICAL BIOCHEMISTRY Ahmet BELCE	Laboratory Tests in Diabetes MEDICAL BIOCHEMISTRY Ahmet BELCE	INDEPENDENT LEARNING	Review Session PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	INDEPENDENT LEARNING
10:20-11:05	Histology and Development of the Adrenal Gland HISTOLOGY & EMBRYOLOGY NAZLI ECE ORDUERİ	Physiology of Pancreatic hormones PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Parathyroid hormone and calcium-phosphate metabolism PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Histology of the Female Reproductive System HISTOLOGY & EMBRYOLOGY NAZLI ECE ORDUERİ	INDEPENDENT LEARNING
11:15-12:00					INDEPENDENT LEARNING
BREAK					
13:00- 13:45	Physiology of Adrenocortical hormone PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Adrenal Medulla Hormones and Associated Endocrine Tests Renin Angiotensin System MEDICAL BIOCHEMISTRY Ahmet BELCE	INDEPENDENT LEARNING	Endocrine System-2 Group 2 HISTOLOGY Nazlı Ece ORDUERİ	INDEPENDENT LEARNING
13:55-14:40			Endocrine Systems Examination Symptoms and Signs PEDIATRICS Erol KISMET	Endocrine System-2 Group 1 HISTOLOGY Nazlı Ece ORDUERİ	INDEPENDENT LEARNING
14:50- 15:35	Hepatitis viruses1 HAV-HBV-HCV-HDV-HEV-HGV MICROBIOLOGY Görkem YAMAN	Histology and Development of Endocrine Pancreas HISTOLOGY & EMBRYOLOGY NAZLI ECE ORDUERİ	Assessing Growth in Children PEDIATRICS Erol KISMET	Adrenal Cortex Hormones and Associated Endocrine Tests MEDICAL BIOCHEMISTRY Ahmet BELCE	INDEPENDENT LEARNING
15:45-16:30	Hepatitis viruses2 HAV-HBV-HCV-HDV-HEV-HGV MICROBIOLOGY Görkem YAMAN	Diffuse Neuroendocrine system (DNES) HISTOLOGY NAZLI ECE ORDUERİ	Diabetes Mellitus diagnosis, complications and management ENDOCRINOLOGY Nujen ÇOLAK BOZKURT		INDEPENDENT LEARNING
16:40- 17:25	Hepatitis viruses3 HAV-HBV-HCV-HDV-HEV-HGV MICROBIOLOGY Görkem YAMAN	INDEPENDENT LEARNING	Metabolic Syndrome and Obesity, Vitamin D and Dyslipidemia ENDOCRINOLOGY Nujen ÇOLAK BOZKURT	INDEPENDENT LEARNING	INDEPENDENT LEARNING

ENDOCRINE SYSTEM COMMITTEE / WEEK IV					
DEC 19- DEC 23	19.12.2022 Monday	20.12.2022 Tuesday	21.12.2022 Wednesday	22.12.2022 Thursday	23.12.2022 Friday
08:30-09:15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Non-Neoplastic Disorders of the Thyroid PATHOLOGY Dilek Sema ARICI
09:25-10:10	INDEPENDENT LEARNING	Integration of Metabolism - Fasting MEDICAL BIOCHEMISTRY Ahmet BELCE	Listeria- Erysipelothrix MICROBIOLOGY EKENOĞLU MERDAN	Introduction to Endocrine Pharmacology PHARMACOLOGY Atisa KARAALP	
10:20-11:05	Integration of Metabolism - Absorptive State MEDICAL BIOCHEMISTRY Ahmet BELCE		Nonfermenter bacteria Pseudomonas-Acinetobacter... MICROBIOLOGY Yağmur EKENOĞLU MERDAN		Neoplastic Disorders of the Thyroid PATHOLOGY Dilek Sema ARICI
11:15-12:00		Mycotoxins MICROBIOLOGY Görkem YAMAN	Hypothalamus and Pituitary Hormones and Inhibitors PHARMACOLOGY Atisa KARAALP		
BREAK					
13:00- 13:45	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
13:55-14:40	Disorders of the Pituitary PATHOLOGY Mehtat ÜNLÜ	Disorders of the Adrenal PATHOLOGY Mehtat ÜNLÜ	Approach to Short Stature in Children PEDIATRICS Erol KISMET	Breast examination ICP Tümay SADIKOĞLU Group 2	INDEPENDENT LEARNING
14:50- 15:35			Puberty and Pubertal Disorders PEDIATRICS Erol KISMET	Breast examination ICP Tümay SADIKOĞLU Group 1	INDEPENDENT LEARNING
15:45-16:30	INDEPENDENT LEARNING	Disorders of the Endocrine Pancreas PATHOLOGY Mehtat ÜNLÜ	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
16:40- 17:25	INDEPENDENT LEARNING		INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING

DEC 26 - DEC 30	26.12.2022 Monday	27.12.2022 Tuesday	28.12.2022 Wednesday	29.12.2022 Thursday	30.12.2022 Friday
08:30-09:15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
09:25-10:10	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Insulin and Oral Antidiabetic Drugs PHARMACOLOGY Atilla KARAALP	INDEPENDENT LEARNING	INDEPENDENT LEARNING
10:20-11:05	Adrenal Corticosteroids and Related Drugs PHARMACOLOGY Atilla KARAALP	USMLE Tümay SADIKOĞLU		Drugs Affecting Bone Mineral Homeostasis PHARMACOLOGY Atilla KARAALP	INDEPENDENT LEARNING
11:15-12:00			Drugs Used in the Treatment of Obesity PHARMACOLOGY Atilla KARAALP	INDEPENDENT LEARNING	
BREAK					
13:00-13:45	Adrenal Corticosteroids and Related Drugs PHARMACOLOGY Atilla KARAALP	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
13:55-14:40	Thyroid Hormones and and Related Drugs PHARMACOLOGY Atilla KARAALP	Gonadal Hormones and Inhibitors-I (Androgens) PHARMACOLOGY Atilla KARAALP	Disorders of the Parathyroid PATHOLOGY Dilek Sema ARICI	Disorders of the Endocrine Pancreas PATHOLOGY LAB Group 2 Dilek Sema ARICI	INDEPENDENT LEARNING
14:50-15:35		INDEPENDENT LEARNING		Gonadal Hormones and Inhibitors-II (Estrogens) PHARMACOLOGY Atilla KARAALP	Disorders of the Endocrine Pancreas PATHOLOGY LAB Group 1 Dilek Sema ARICI
15:45-16:30	INDEPENDENT LEARNING	Gonadal Hormones and Inhibitors-III (Progestins) PHARMACOLOGY Atilla KARAALP	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
16:40-17:25	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING

ENDOCRINE SYSTEM COMMITTEE / WEEK VI					
JAN 2- JAN 6	02.01.2022 MONDAY	03.01.2022 TUESDAY	04.01.2022 WEDNESDAY	05.01.2022 THURSDAY	06.01.2022 FRIDAY
08:30-09:15	INDEPENDENT LEARNING				COMMITTEE EXAM
09:25-10:10					
10:20-11:05					
11:15-12:00					
BREAK					
13:00-13:45	INDEPENDENT LEARNING				
13:55-14:40					
14:50-15:35					
15:45-16:30					
16:40-17:25					