

**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: C 207

ENDOCRINE SYSTEM COMMITTEE (5 WEEKS; November 27 -December 29)

LECTURE	LECTURER	THEORETICAL	PRACTICE	TOTAL
Anatomy	Asst.Prof. Dr. Özlem ÖZTÜRK KÖSE	4	1	5
Medical Biochemistry	Assoc.Prof.Dr.Saadet İBİS	22		22
Histology and Embryology	Assoc.Prof. Dr. Nazlı Ece ORDUERİ	10	1	11
Physiology	Asst.Prof. Dr. Muhsine Sinem ETHEMOĞLU	12		12
Microbiology	Asst.Prof.Dr. Yağmur EKENOĞLU MERDAN	2		2
Microbiology	Prof.Dr.Recep KEŞLİ	3		3
ICP	Prof.Dr. Serpil YAYLACI		1	1
Case Based Discussion	Dr. Betül Beyza GÜNEŞ	6		2
Pathology	Prof.Dr. Duygu DÜŞMEZ APA	6	1	7
Pediatrics	Prof. Dr. Erol KISMET	4		4
Medical Pharmacology	Prof. Dr. Atilla KARAALP	11		11
Endocrinology	Assoc.Prof. Sinan TANYOLAÇ	9		9
TOTAL		89	4	89

ENDOCRINE SYSTEM COMMITTEE / WEEK I

	27.11.2023 Monday	28.11.2023 Tuesday	29.11.2023 Wednesday	30.11.2023 Thursday	01.12.2023 Friday
08:30-09:15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Pituitary Hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS
09:30-10:15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Physiology of thyroid hormones PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	INDEPENDENT LEARNING	Thyroid hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS
10:30-11:15	INDEPENDENT LEARNING	Histology and Development of the Pituitary Gland HISTOLOGY Nazlı Ece ORDUERİ	Physiology of thyroid hormones PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Suprenal Gland ANATOMY Özlem ÖZTÜRK KÖSE	Thyroid hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS
11:30-12:15	INDEPENDENT LEARNING	Histology and Development of the Pituitary Gland HISTOLOGY Nazlı Ece ORDUERİ	Thyroid Gland ANATOMY Özlem ÖZTÜRK KÖSE	Suprenal Gland ANATOMY Özlem ÖZTÜRK KÖSE	Thyroid hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS
BREAK					
13:30- 14.15	INDEPENDENT LEARNING	Introduction to endocrinology and mechanisms of action of hormones PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Histology and Development of the Pineal Gland HISTOLOGY Nazlı Ece ORDUERİ	Hypothalamus hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS	INDEPENDENT LEARNING
14.30-15.15	INDEPENDENT LEARNING	Introduction to endocrinology and mechanisms of action of hormones PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Histology and Development of the Pineal Gland HISTOLOGY Nazlı Ece ORDUERİ	Pituitary Hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS	Histology and Development of the Adrenal Gland HISTOLOGY Nazlı Ece ORDUERİ
15.30-16.15	INDEPENDENT LEARNING	Hormones of hypothalamus and pituitary gland PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Histology of the Thyroid and Parathyroid Glands and Its Development HISTOLOGY Nazlı Ece ORDUERİ	Pituitary Hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS	Histology and Development of Endocrine Pancreas HISTOLOGY Nazlı Ece ORDUERİ
16.30-17.15	INDEPENDENT LEARNING	Hormones of hypothalamus and pituitary gland PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	INDEPENDENT LEARNING	Pituitary Hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS	Histology and Development of Endocrine Pancreas HISTOLOGY Nazlı Ece ORDUERİ

ENDOCRINE SYSTEM COMMITTEE / WEEK II

	04.12.2023 Monday	05.12.2023 Tuesday	06.12.2023 Wednesday	07.12.2023 Thursday	08.12.2023 Friday
08:30-09:15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Endocrine System Examination Symptoms and signs PEDIATRICS Erol KISMET	INDEPENDENT LEARNING	PHASE 1 EXAM
09:30-10:15	Physiology of adrenocortical hormone PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Physiology of pancreas hormones PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Assesing Growth in Children PEDIATRICS Erol KISMET	INDEPENDENT LEARNING	
10:30-11:15	Physiology of adrenocortical hormone PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Parathyroid hormone and calcium-phosphate metabolism PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Approach to Short Stature in Children PEDIATRICS Erol KISMET	Listeria- Erysipelothrix MICROBIOLOGY Yağmur EKENOĞLU MERDAN	
11:30-12:15	Physiology of pancreas hormones PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Parathyroid hormone and calcium-phosphate metabolism PHYSIOLOGY Muhsine Sinem ETHEMOĞLU	Puberty and Pubertal Disorders PEDIATRICS Erol KISMET	Nonfermenter bacteria Pseudomonas-Acinetobacter MICROBIOLOGY Yağmur EKENOĞLU MERDAN	
BREAK					
13:30- 14.15	Mammary Gland ANATOMY Özlem ÖZTÜRK KÖSE	Hepatitis viruses1 HAV-HBV-HCV-HDV-HEV HGV MICROBIOLOGY Recep KEŞLİ	History and Examination in the Endocrine system ENDOCRINOLOGY Sinan TANYOLAÇ	Hormones Regulating Calcium-Phosphate Metabolism and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS	INDEPENDENT LEARNING
14.30-15.15	Endocrine System ANATOMY LAB Group 1 Özlem ÖZTÜRK KÖSE	Hepatitis viruses1 HAV-HBV-HCV-HDV-HEV HGV MICROBIOLOGY Recep KEŞLİ	Symptoms and Findings in the Endocrine System ENDOCRINOLOGY Sinan TANYOLAÇ	Hormones Regulating Calcium-Phosphate Metabolism and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS	Laboratory Tests in Diabetes BIOCHEMISTRY Saadet İBİS
15.30-16.15	Endocrine System ANATOMY LAB Group 2 Özlem ÖZTÜRK KÖSE	Hepatitis viruses1 HAV-HBV-HCV-HDV-HEV HGV MICROBIOLOGY Recep KEŞLİ	Hypothyroidism ENDOCRINOLOGY Sinan TANYOLAÇ	Pancreatic Hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS	Laboratory Tests in Diabetes BIOCHEMISTRY Saadet İBİS
16.30-17.15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Hyperthyroidism ENDOCRINOLOGY Sinan TANYOLAÇ	Pancreatic Hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS	Adrenal Medulla Hormones and Associated Endocrine Tests Renin Angiotensin System BIOCHEMISTRY Saadet İBİS

ENDOCRINE SYSTEM COMMITTEE / WEEK III

	11.12.2023 Monday	12.12.2023 Tuesday	13.12.2023 Wednesday	14.12.2023 Thursday	15.12.2023 Friday
08:30-09:15	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Endocrine System Group 1 HISTOLOGY LAB Nazlı Ece ORDUERİ	Disorders of the endocrine system PATHOLOGY LAB Group 4 Duygu DÜŞMEZ APA	PHASE 2 EXAM
09:30-10:15	INDEPENDENT LEARNING	Case Based Discussion Betül Beyza GÜNEŞ ONLINE	Endocrine System Group 2 HISTOLOGY LAB Nazlı Ece ORDUERİ	Disorders of the endocrine system PATHOLOGY LAB Group 3 Duygu DÜŞMEZ APA	
10:30-11:15	Histology of the Thyroid and Parathyroid Glands and Its Development HISTOLOGY Nazlı Ece ORDUERİ	Case Based Discussion Betül Beyza GÜNEŞ ONLINE	Endocrine System Group 3 HISTOLOGY LAB Nazlı Ece ORDUERİ	Disorders of the endocrine system PATHOLOGY LAB Group 2 Duygu DÜŞMEZ APA	
11:30-12:15	Histology and Development of the Adrenal Gland HISTOLOGY Nazlı Ece ORDUERİ	Case Based Discussion Betül Beyza GÜNEŞ ONLINE	Endocrine System Group 4 HISTOLOGY LAB Nazlı Ece ORDUERİ	Disorders of the endocrine system PATHOLOGY LAB Group 1 Duygu DÜŞMEZ APA	
BREAK					
13:30-14:15	Metabolic Syndrome and Obesity ENDOCRINOLOGY Sinan TANYOLAÇ	Disorders of the Pituitary PATHOLOGY Duygu DÜŞMEZ APA	Disorders of the Parathyroid PATHOLOGY Duygu DÜŞMEZ APA	Adrenal Medulla Hormones and Associated Endocrine Tests Renin Angiotensin System BIOCHEMISTRY Saadet İBİS	INDEPENDENT LEARNING
14:30-15:15	Vitamin D deficiency ENDOCRINOLOGY Sinan TANYOLAÇ	Disorders of the Adrenal PATHOLOGY Duygu DÜŞMEZ APA	Disorders of the Endocrine Pancreas PATHOLOGY Duygu DÜŞMEZ APA	Adrenal Medulla Hormones and Associated Endocrine Tests Renin Angiotensin System BIOCHEMISTRY Saadet İBİS	Adrenal Cortex Hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS
15:30-16:15	Göltre ENDOCRINOLOGY Sinan TANYOLAÇ	Non-neoplastic Disorders of the Thyroid PATHOLOGY Duygu DÜŞMEZ APA	INDEPENDENT LEARNING	Adrenal Cortex Hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS	Integration of Metabolism - Absorptive State BIOCHEMISTRY Saadet İBİS
16:30-17:15	Classification and diagnosis of Diabetes mellitus ENDOCRINOLOGY Sinan TANYOLAÇ	Neoplastic Disorders of the Thyroid PATHOLOGY Duygu DÜŞMEZ APA	INDEPENDENT LEARNING	Adrenal Cortex Hormones and Associated Endocrine Tests BIOCHEMISTRY Saadet İBİS	Integration of Metabolism - Absorptive State BIOCHEMISTRY Saadet İBİS

ENDOCRINE SYSTEM COMMITTEE / WEEK IV

	18.12.2023 Monday	19.12.2023 Tuesday	20.12.2023 Wednesday	21.12.2023 Thursday	22.12.2023 Friday
08:30-09:15	Classification and diagnosis of diabetes mellitus ENDOCRINOLOGY Sinan TANYOLAÇ	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING	INDEPENDENT LEARNING
09:30-10:15	Dibetus Mellitus managment ENDOCRINOLOGY Sinan TANYOLAÇ	Pancreatic Hormones & Agents Used in the Treatment of Diabetes Mellitus PHARMACOLOGY Atilla KARAAALP	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Case Based Discussion Betül Beyza GÜNEŞ ONLINE
10:30-11:15	Dyslipidemia ENDOCRINOLOGY Sinan TANYOLAÇ	Pancreatic Hormones & Agents Used in the Treatment of Diabetes Mellitus PHARMACOLOGY Atilla KARAAALP	INDEPENDENT LEARNING	Adrenocortical Hormones & Related Drugs PHARMACOLOGY Atilla KARAAALP	Case Based Discussion Betül Beyza GÜNEŞ ONLINE
11:30-12:15	Introduction to Endocrine Pharmacology PHARMACOLOGY Atilla KARAAALP	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Adrenocortical Hormones & Related Drugs PHARMACOLOGY Atilla KARAAALP	Case Based Discussion Betül Beyza GÜNEŞ ONLINE
BREAK					
13:30-14:15	Hypothalamus and Pituitary Hormones & Related Drugs PHARMACOLOGY Rezzan GÜLHAN	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Thyroid Examination ICP Serpil YAYLACI Group 2	INDEPENDENT LEARNING
14:30-15:15	Thyroid Hormones & Related Drugs PHARMACOLOGY Rezzan GÜLHAN	Gonadal Hormones & Related Drugs PHARMACOLOGY Rezzan GÜLHAN	INDEPENDENT LEARNING	Thyroid Examination ICP Serpil YAYLACI Group 4	Hormones and Drugs Affecting Bone Mineral Homeostasis PHARMACOLOGY Rezzan GÜLHAN
15:30-16:15	Integration of Metabolism -Fasting (7 pm Online) BIOCHEMISTRY Saadet İBİS	Gonadal Hormones & Related Drugs PHARMACOLOGY Rezzan GÜLHAN	INDEPENDENT LEARNING	Thyroid Examination ICP Serpil YAYLACI Group 1	Agents Used in the Management of Obesity PHARMACOLOGY Rezzan GÜLHAN
16:30-17:15	Integration of Metabolism -Fasting (7 pm Online) BIOCHEMISTRY Saadet İBİS	INDEPENDENT LEARNING	INDEPENDENT LEARNING	Thyroid Examination ICP Serpil YAYLACI Group 3	INDEPENDENT LEARNING

ENDOCRINE SYSTEM COMMITTEE / WEEK V

	25.12.2023 MONDAY	26.12.2023 TUESDAY	27.12.2023 WEDNESDAY	28.12.2023 THURSDAY	29.12.2023 FRIDAY
08:30-09:15	INDEPENDENT LEARNING				COMMITTEE EXAM
09:25-10:10					
10:20-11:05					
11:15-12:00					
BREAK					
13:30-14:15	INDEPENDENT LEARNING				COMMITTEE EXAM
14:30-15:15					
15:30-16:15					
16:30-17:15					

