

GAZI UNIVERSITY FACULTY OF MEDICINE

YEAR 2

2023-2024 EDUCATIONAL YEAR

NEUROLOGICAL SCIENCES COMMITTEE (18 September – 31 October 2023)

COURSES	THEORETICAL	LAB	TOTAL
Anatomy	46	16 X 2	62
Biophysics	10		10
Histology and Embryology	12	6x 2	18
Physiology	41	4x 2	45
Medical History and Ethics	4		4
TOTAL	113	26	139
Elective Lectures	10		10
INTRODUCTION TO MEDICINE			
Clinical Skills Education		4	4
Medical English	10		10
TOTAL	133	30	163

26.10.2023	Thursday	YEAR 2 Applied Exam	Time: 08.30
27.10.2023	Friday	YEAR 2 Applied Exam	Time: 08.30
30.10.2023	Monday	YEAR 2 Applied Exam	Time: 08.30
31.10.2023	Tuesday	YEAR 2 Theoretical Exam	Time: 09.30

Dean	Prof.Dr. Alper CEYLAN
Vice Dean	Assoc.Prof.Dr. Nazmi Mutlu KARAKAŞ
Vice Dean	Assoc.Prof.Dr. Asiye UĞRAŞ DİKMEN
Head Coordinator	Prof.Dr. Çiğdem ÖZER
Assistant Head Coordinator	Prof.Dr. Akif Muhtar ÖZTÜRK
Assistant Head Coordinator (ENG)	Prof.Dr. Mehmet Ali ERGÜN
Year 2 Coordinator	Assist. Prof. Dr. S.Esra ÖZKOÇER
Assistant Year 2 Coordinator	Assist. Prof. Dr. Zeynep YIĞMAN (Eng)
Assistant Year 2 Coordinator	Teach. Assist. Dr. Pelin TÜRKKAN
Assistant Year 2 Coordinator	Teach. Assist. Dr. Nihan ÖRÜKLÜ
Assistant Year 2 Coordinator	Teach. Assist. Dr. Ayşe SOYLU

NEUROLOGICAL SCIENCES COMMITTEE

Aim

To be able to tell the anatomical, histological and physiological information about the embryonic development, developmental anomalies and malformations of the nervous system, the structures and functions of the central nervous system, to be able to explain the clinical connections, to be aware of the deontology, basic concepts and professional rules

LEARNING OUTCOMES

Knowledge Based

To be able to:

LO-200-1-1 explain legislation for the practice of the medical profession, basic knowledge of medicine, approaches to medicine, physician-patient relationship (evolutionary development and current situation, expected physician-patient relationship)

LO-200-1-2 list how the nervous system develops from germ layers during each week of development

LO-200-1-3 say the anatomical location of central nervous system structures

LO-200-1-4 describe the histological properties of central nervous system cells

LO-200-1-5 explain how the motor and sensory functions of the nervous system occur at the level of the medulla spinalis, brainstem and cortex

LO-200-1-6 count cranial nerves

LO-200-1-7 describe the histological and anatomical structure of the brain, tell the role of motor control and motor learning and related mechanisms

LO-200-1-8 describe the histological structure of spinal cord of medulla, describe descending pathways, define spinal reflexes

LO-200-1-9 describe eye anatomy and visual pathways, ear anatomy and hearing pathways, describe the physiological mechanisms of vision and hearing

LO-200-1-10 explain the autonomic nervous system

LO-200-1-11 explain the advanced functions of the nervous system, such as conditioned reflexes, learning and memory, with physiological mechanisms

LO-200-1-12 discuss the electrical properties of EEG and brain

Application Based (practical skills)

LO-200-1-13 able to distinguish and show macroscopic and microscopic structures of the central nervous system

LO-200-1-14 can practise the anatomical structure of ear and eye

LO-200-1-15 must be able to distinguish the gray and white layers of the brain at microscope

LO-200-1-16 distinguish gray and white layers of medulla spinalis, front and rear horn on microscope

LO-200-1-17 must show physiological, histological features of eye and ear

LO-200-1-18 can show various reflexes in man

LO-200-1-19 be able to distinguish reaction time and reflex time

Skills Based (intellectual and transferable skills)

LO-200-1-21 be aware of the importance of cadaver use in anatomy education

LO-200-1-22 consider the role of microscopy in histology education

LO-200-1-23 be aware of the importance of ethical rules in the use of experimental animals and practices on human beings

MEMBERS OF COMMITTEE

ANATOMY	BIOPHYSICS	HISTOLOGY & EMBRYLOGY	PHYSIOLOGY	MEDICAL HISTORY AND ETHICS
Dr. Meltem BAHÇELİOĞLU	Dr. Elçin ÖZGÜR BÜYÜKATALAY	Dr. C. Merve SEYMEN	Dr. Meltem SEVGİLİ	Dr. Namık ÇENCEN
Dr. Kerem ATALAR		Dr. Zeynep YIĞMAN	Dr. Pelin TÜRKKAN	
Dr.Ece ALİM		Dr. Duygu DAYANIR		

ANATOMY LABORATORY	HISTOLOGY & EMBRYLOGY	PHYSIOLOGY LABORATORY
Dr. Meltem BAHÇELİOĞLU	Dr. Çiğdem ELMAS	Dr. Meltem SEVGİLİ
Dr. Kerem ATALAR	Dr. Gülnur TAKE KAPLANOĞLU	Dr. Pelin TÜRKKAN
Dr.Ece ALİM	Dr. Cemile Merve SEYMEN	
	Dr. Zeynep YIĞMAN	
	Dr. Duygu DAYANIR	
	Dr. Esra ÖZKOÇER	

Clinical Skills Education Coordinator	Prof. Dr. Melda AYBAR TÜRKOĞLU
Elective Course Coordinator	Assoc. Prof. Dr. Ergin DİLEKÖZ

1th week	Monday 18 .09. 2023	Tuesday 19 .09. 2023	Wednesday 20 .09. 2023	Thursday 21 .09. 2023	Friday 22 .09. 2023
08:30-09:20	Free Study Time	Medulla oblongata, pons, and 4.ventricle DR. ATALAR	Medulla oblongata, pons, and 4.ventricle DR. ATALAR	CSE	Pain sensation Dr. SEVGİLİ
09:30-10:20	Meeting With Year 2 Coordinators	Free Study Time	Nervous system histology Dr DAYANIR	CSE	Telencefalın, basal nuclei and lateral ventricles Dr.ALİM
10:30-11:20	General morphology of the nervous system DR. ALİM	Free Study Time	Nervous system histology Dr DAYANIR	CSE	Telencefalın, basal nuclei and lateral ventricles Dr.ALİM
11:30-12:20	General morphology of the nervous system DR. ALİM	Free Study Time	12:30 White Coat Ceremony	CSE	Nervous system histology Dr DAYANIR
13:30-14:20	General organization of central nervous system Dr. SEVGİLİ	Cerebellum Dr.ALİM	Mesencephalon DR. ALİM	Diencephalon and 3rd ventricle DR. ATALAR	Nervous system histology Dr DAYANIR
14:30-15:20	General organization of central nervous system Dr. SEVGİLİ	Cerebellum Dr.ALİM	Mesencephalon DR. ALİM	Diencephalon and 3rd ventricle DR. ATALAR	Free Study Time
15:30-16:20	Internal structure of the spinal cord DR. ATALAR	Somatosensory system Dr. SEVGİLİ	Somatosensory system Dr. SEVGİLİ	Pain sensation Dr. SEVGİLİ	Free Study Time
16:30-17:20	Medulla oblongata, pons, and 4.ventricle DR. ATALAR	Somatosensory system Dr. SEVGİLİ	The functions of thalamus and somatosensory cortex Dr. SEVGİLİ	Free Study Time	Free Study Time

2 nd week	Monday 25 .09. 2023	Tuesday 26 .09. 2023	Wednesday 27 .09. 2023	Thursday 28 .09. 2023	Friday 29 .09. 2023
08:30-09:20	Telencefalon, basal nuclei and lateral ventricles Dr.ALİM	Free Study Time	Motor cortex Dr. SEVGİLİ	Anatomy Lab 2	Cranial nerves Dr.ALİM
09:30-10:20	Telencefalon, basal nuclei and lateral ventricles Dr.ALİM	Free Study Time	Descending control of spinal motor systems Dr. SEVGİLİ	Anatomy Lab 2	Cranial nerves Dr.ALİM
10:30-11:20	The control of motor function by medulla spinalis Dr. SEVGİLİ	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	Anatomy Lab 2	The role of basal ganglia in the control of motor functions Dr. SEVGİLİ
11:30-12:20	The control of motor function by medulla spinalis Dr. SEVGİLİ	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	Anatomy Lab 2	The role of basal ganglia in the control of motor functions Dr. SEVGİLİ
13:30-14:20	The control of motor function by medulla spinalis Dr. SEVGİLİ	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	Anatomy Lab 1	Cranial nerves Dr.ALİM	Interdisciplinary Sciences and Biophysics Dr. ÖZGÜR BÜYÜKATALAY
14:30-15:20	Free Study Time	The control of motor function by brain stem Dr. SEVGİLİ	Anatomy Lab 1	Cranial nerves Dr.ALİM	Interdisciplinary Sciences and Biophysics Dr. ÖZGÜR BÜYÜKATALAY
15:30-16:20	Free Study Time	The control of motor function by brain stem Dr. SEVGİLİ	Anatomy Lab 1	Descending control of spinal motor systems Dr. SEVGİLİ	Introduction to the Concepts of Ethics- Deontology- Bioethics-Morals Dr.ÇENÇEN
16:30-17:20	Free Study Time	Free Study Time	Anatomy Lab 1	Descending control of spinal motor systems Dr. SEVGİLİ	Medical Methodology Dr.ÇENÇEN

3 rd week	Monday 02.10. 2023	Tuesday 03.10. 2023	Wednesday 04.10. 2023	Thursday 05.10.2023	Friday 06 .10. 2023
08:30-09:20	Free Study Time	CSE	Anatomy Lab 3	Neural plasticity Dr. SEVGİLİ	Limbic system DR. BAHÇELIOĞLU
09:30-10:20	The role of cerebellum in the control of motor functions Dr. SEVGİLİ	CSE	Anatomy Lab 3	Spinal meninges, vessels and cerebrospinal fluid DR. ATALAR	Limbic system DR. BAHÇELIOĞLU
10:30-11:20	The role of cerebellum in the control of motor functions Dr. SEVGİLİ	CSE	Anatomy Lab 3	Eye anatomy and visual pathways DR. ATALAR	Limbic system and monoaminergic system Dr. SEVGİLİ
11:30-12:20	Autonomous nervous system (sympathetic) DR. BAHÇELIOĞLU	CSE	Anatomy Lab 3	Eye anatomy and visual pathways DR. ATALAR	Limbic system and monoaminergic system Dr. SEVGİLİ
13:30-14:20	Autonomous nervous system (sympathetic) DR. BAHÇELIOĞLU	Medical English	Cerebral cortex and high functions of the nervous system Dr. SEVGİLİ	Anatomy Lab 4	Anatomy Lab 5 Histology Lab 1
14:30-15:20	Autonomous nervous system (parasympathetic) DR. BAHÇELIOĞLU	Medical English	Cerebral cortex and high functions of the nervous system Dr. SEVGİLİ	Anatomy Lab 4	Anatomy Lab 5 Histology Lab 1
15:30-16:20	Free Study Time	Elective Courses	Meninges and vessels of the brain DR. ATALAR	Anatomy Lab 4	Anatomy Lab 5 Histology Lab 1
16:30-17:20	Free Study Time	Elective Courses	Meninges and vessels of the brain DR. ATALAR	Anatomy Lab 4	Anatomy Lab 5 Histology Lab 1

4 th week	Monday 09.10. 2023	Tuesday 10.10. 2023	Wednesday 11.10. 2023	Thursday 12.10.2023	Friday 13 .10. 2023 Year 3 Exam
08:30-09:20	Physiology Lab 1	Anatomy Lab 6 Physiology Lab 1	Physiology of Sleep Dr. SEVGİLİ	Eye emb. and histology Dr. SEYMEN	Free Study Time
09:30-10:20	Physiology Lab 1	Anatomy Lab 6 Physiology Lab 1	EEG Epilepsy Dr. SEVGİLİ	Eye emb. and histology Dr. SEYMEN	Free Study Time
10:30-11:20	Physiology Lab 1	Anatomy Lab 6 Physiology Lab 1	Eye anatomy and visual pathways DR. ATALAR	Vision Dr. TÜRKKAN	Free Study Time
11:30-12:20	Physiology Lab 1	Anatomy Lab 6 Physiology Lab 1	Eye anatomy and visual pathways DR. ATALAR	Vision Dr. TÜRKKAN	Free Study Time
13:30-14:20	Panel:MS	Medical English	Visible light and optical components of eye Dr. ÖZGÜR BÜYÜKATALAY	Vision Dr. TÜRKKAN	Ear and hearing pathways DR. BAHÇELIOĞLU
14:30-15:20	Central Control of Autonomic Function Dr. SEVGİLİ	Medical English	Visible light and optical components of eye Dr. ÖZGÜR BÜYÜKATALAY	Medicine and Medical Scientific Knowledge Dr. ÇENÇEN	Ear and hearing pathways DR. BAHÇELIOĞLU
15:30-16:20	Central Control of Autonomic Function Dr. SEVGİLİ	Elective Courses	Free Study Time	Physician-Patient Relationship Dr. ÇENÇEN	Free Study Time
16:30-17:20	Free Study Time	Elective Courses	Free Study Time	Free Study Time	Free Study Time

5 th week	Monday 16 .10. 2023	Tuesday 17 .10. 2023	Wednesday 18 .10. 2023	Thursday 19 .10. 2023	Friday 20 .10. 2023
08:30-09:20	Free Study Time	Anatomy Lab 7 Histology Lab 2	Ear emb and histology Dr. DAYANIR	Anatomy Lab 8 Physiology Lab 2	Introduction to hearing biophysics Dr. ÖZGÜR BÜYÜKATALAY
09:30-10:20	Ear and hearing pathways DR. BAHÇELIOĞLU	Anatomy Lab 7 Histology Lab 2	Ear emb and histology Dr. DAYANIR	Anatomy Lab 8 Physiology Lab 2	Introduction to hearing biophysics Dr. ÖZGÜR BÜYÜKATALAY
10:30-11:20	Ear and hearing pathways DR. BAHÇELIOĞLU	Anatomy Lab 7 Histology Lab 2	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU	Anatomy Lab 8 Physiology Lab 2	Conditioned reflex, learning and memory Dr. SEVGİLİ
11:30-12:20	Retina and its photoreceptor cells, receptor potentials Dr. ÖZGÜR BÜYÜKATALAY	Anatomy Lab 7 Histology Lab 2	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU	Anatomy Lab 8 Physiology Lab 2	Conditioned reflex, learning and memory Dr. SEVGİLİ
13:30-14:20	Retina and its photoreceptor cells, receptor potentials Dr. ÖZGÜR BÜYÜKATALAY	Medical English	Hearing and vestibular system Dr. TÜRKKAN	Physiology Lab 2	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU
14:30-15:20	Nervous system Embryology Dr.YIĞMAN	Medical English	Hearing and vestibular system Dr. TÜRKKAN	Physiology Lab 2	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU
15:30-16:20	Nervous system Embryology Dr.YIĞMAN	Elective Courses	Nervous system Embryology Dr.YIĞMAN	Physiology Lab 2	Free Study Time
16:30-17:20	Free Study Time	Elective Courses	Free Study Time	Physiology Lab 2	Free Study Time

6 th week	Monday 23 .10. 2023	Tuesday 24 .10. 2023	Wednesday 25 .10. 2023	Thursday 26 .10. 2023	Friday 27 .10. 2023
08:30-09:20	Taste and olfaction Dr. TÜRKKAN	Free Study Time	Free Study Time	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
09:30-10:20	Taste and olfaction Dr. TÜRKKAN	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU	Free Study Time	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
10:30-11:20	Ear: outer-middle and inner ear, membrana basilar Dr. ÖZGÜR BÜYÜKATALAY	Panel: Learning	Free Study Time	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
11:30-12:20	Ear: outer-middle and inner ear, membrana basilar Dr. ÖZGÜR BÜYÜKATALAY	Panel: Learning	Free Study Time	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
13:30-14:20	Physiology Lab (make up) Histology Lab 3	Medical English	Free Study Time	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
14:30-15:20	Physiology Lab (make up) Histology Lab 3	Medical English	Free Study Time	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
15:30-16:20	Physiology Lab (make up) Histology Lab 3	Elective Courses	Free Study Time	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM
16:30-17:20	Physiology Lab (make up) Histology Lab 3	Elective Courses	Free Study Time	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM

7th week	Monday 30 .10. 2023	Tuesday 31 .10. 2023	Wednesday 01.11.2023	Thursday 02.11.2023	Friday 03.11.2023
08:30-09:20	YEAR 2 APPLIED EXAM	YEAR 2 THEORETICAL EXAM	Respiratory And Cardiovascular Systems Committee		
09:30-10:20	YEAR 2 APPLIED EXAM	YEAR 2 THEORETICAL EXAM			
10:30-11:20	YEAR 2 APPLIED EXAM	YEAR 2 THEORETICAL EXAM			
11:30-12:20	YEAR 2 APPLIED EXAM	YEAR 2 THEORETICAL EXAM			
13:30-14:20	YEAR 2 APPLIED EXAM	Medical English			
14:30-15:20	YEAR 2 APPLIED EXAM	Medical English			
15:30-16:20	YEAR 2 APPLIED EXAM	Elective Courses			
16:30-17:20	YEAR 2 APPLIED EXAM	Elective Courses			