

GAZI UNIVERSITY FACULTY OF MEDICINE

YEAR 2

2022-2023 EDUCATIONAL YEAR

NEUROLOGICAL SCIENCES COMMITTEE (12 September – 27 October 2022)

COURSES	THEORETICAL	LAB	TOTAL
Anatomy	46	18 X 2	64
Biophysics	10		10
Histology and Embryology	12	6 x 2	18
Physiology	41	10 x 2	51
Medical History and Ethics	4		4
TOTAL	113	34	147
Elective Lectures	8		8
INTRODUCTION TO MEDICINE			
Clinical Skills Education		2	2
Medical English	8		8
TOTAL	129	36	165

24.10.2022	Monday	YEAR 2 Applied Exam	Time: 08.30
25.10.2022	Tuesday	YEAR 2 Applied Exam	Time: 08.30
26.10.2022	Wednesday	YEAR 2 Applied Exam	Time: 08.30
27.10.2022	Thursday	YEAR 2 Theoretical Exam	Time: 09.30

Dean	Prof.Dr. Mustafa Necmi İLHAN
Vice Dean	Prof. Dr. İlyas OKUR
Vice Dean	Prof. Dr. Özlem GÜZEL TUNÇCAN
Head Coordinator	Prof.Dr. Çiğdem ÖZER
Assistant Head Coordinator	Prof.Dr. Akif Muhtar ÖZTÜRK
Assistant Head Coordinator (ENG)	Prof.Dr. Mehmet Ali ERGÜN
Year 2Coordinator	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

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 must be able to prepare decerebre and spinal frog preparations. M. Spinalis reflexes should be shown on experiment animal

LO-200-1-19 can show various reflexes in man

LO-200-1-20 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. Onur İNAM	Dr. C. Merve SEYMEN	Dr. Meltem SEVGİLİ	Dr. Namık ÇENCEN
Dr. Kerem ATALAR		Dr. Zeynep YIĞMAN	Dr. Pelin TÜRKKAN	
		Dr. Duygu DAYANIR	Dr. Hilal KORKMAZ	

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. Cemile Merve SEYMEN	Dr. Hilal KORKMAZ
	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	12.09.2022 MONDAY	13.09.2022 TUESDAY	14.09.2022 WEDNESDAY	15.09.2022 THURSDAY	16.09.2022 FRIDAY
08:30-09:20	FREE STUDY TIME	Medulla oblongata, pons, and 4.ventricle DR. BAHÇELIOĞLU	Mesencephalon DR. BAHÇELIOĞLU	Diencephalon and 3rd ventricle DR. ATALAR	FREE STUDY TIME
09:30-10:20	General morphology of the nervous system DR. BAHÇELIOĞLU	Medulla oblongata, pons, and 4.ventricle DR. BAHÇELIOĞLU	Mesencephalon DR. BAHÇELIOĞLU	Diencephalon and 3rd ventricle DR. ATALAR	Telencefalon, basal nuclei and lateral ventricles DR. ATALAR
10:30-11:20	General morphology of the nervous system DR. BAHÇELIOĞLU	Medulla oblongata, pons, and 4.ventricle DR. BAHÇELIOĞLU	Cerebellum DR. ATALAR	Somato-visceral sensory system Dr. SEVGİLİ	Telencefalon, basal nuclei and lateral ventricles DR. ATALAR
11:30-12:20	Internal structure of the spinal cord DR. BAHÇELIOĞLU	Nervous system histology Dr DAYANIR	Cerebellum DR. ATALAR	The functions of thalamus and somatosensory cortex Dr. SEVGİLİ	Pain sensation Dr. SEVGİLİ
13:30-14:20	Nervous system histology Dr DAYANIR	Nervous system histology Dr DAYANIR	Somato-visceral sensory system Dr. SEVGİLİ	Introduction to the Concepts of Ethics-Deontology-Bioethics-Morals Dr.ÇENÇEN	Pain sensation Dr. SEVGİLİ
14:30-15:20	Nervous system histology Dr DAYANIR	General organization of central nervous system Dr. SEVGİLİ	Somato-visceral sensory system Dr. SEVGİLİ	Medical Methodology Dr.ÇENÇEN	The control of motor function by medulla spinalis Dr. SEVGİLİ
15:30-16:20	2ND YEAR COORDINATOR MEETING	General organization of central nervous system Dr. SEVGİLİ	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME
16:30-17:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME

2nd week	19.09.2022 MONDAY	20.09.2022 TUESDAY	21.09.2022 WEDNESDAY	22.09.2022 THURSDAY	23.09.2022 FRIDAY
08:30-09:20	Telencefalon, basal nuclei and lateral ventricles DR. ATALAR	Anatomy Lab (1)	Motor cortex Dr. SEVGİLİ	FREE STUDY TIME	Cranial nerves Dr.BAHÇELIOĞLU
09:30-10:20	Telencefalon, basal nuclei and lateral ventricles DR. ATALAR	Anatomy Lab (1)	Descending control of spinal motor systems Dr. SEVGİLİ	FREE STUDY TIME	Cranial nerves Dr.BAHÇELIOĞLU
10:30-11:20	The control of motor function by medulla spinalis Dr. SEVGİLİ	Anatomy Lab (1)	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	Descending control of spinal motor systems Dr. SEVGİLİ	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	Anatomy Lab (1)	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	Descending control of spinal motor systems Dr. SEVGİLİ	The role of basal ganglia in the control of motor functions Dr. SEVGİLİ
13:30-14:20	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	The control of motor function by brain stem Dr. SEVGİLİ	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	Cranial nerves Dr.BAHÇELIOĞLU	Interdisciplinary Sciences and Biophysics Dr. İNAM
14:30-15:20	CNS ascending and descending tracts Dr.BAHÇELIOĞLU	The control of motor function by brain stem Dr. SEVGİLİ	FREE STUDY TIME	Cranial nerves Dr.BAHÇELIOĞLU	Interdisciplinary Sciences and Biophysics Dr. İNAM
15:30-16:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	Medicine and Medical Scientific Knowledge Dr.ÇENÇEN	FREE STUDY TIME
16:30-17:20	FREE STUDY TIME	FREE STUDY TIME	FREE STUDY TIME	Physician-Patient Relationship Dr.ÇENÇEN	FREE STUDY TIME

3 rd week	26.09.2022 MONDAY	27.09.2022 TUESDAY	28.09.2022 WEDNESDAY	29.09.2022 THURSDAY	30.09.2022 FRIDAY
08:30-09:20	Limbic system DR. BAHÇELIOĞLU	Anatomy Lab (2) Histology Lab (1)	Autonomous nervous system (sympathetic) DR. BAHÇELIOĞLU	Meninges and vessels of the brain DR. ATALAR	FREE STUDY TIME
09:30-10:20	Limbic system DR. BAHÇELIOĞLU	Anatomy Lab (2) Histology Lab (1)	Autonomous nervous system (sympathetic) DR. BAHÇELIOĞLU	Meninges and vessels of the brain DR. ATALAR	Central Control of Autonomic Function Dr. SEVGİLİ-Dr. KORKMAZ
10:30-11:20	The role of cerebellum in the control of motor functions Dr. SEVGİLİ	Anatomy Lab (2) Histology Lab (1)	Cerebral cortex and high functions of the nervous system Dr. SEVGİLİ-Dr. KORKMAZ	Limbic system and monoaminergic system Dr. SEVGİLİ - Dr. KORKMAZ	Central Control of Autonomic Function Dr. SEVGİLİ-Dr. KORKMAZ
11:30-12:20	The role of cerebellum in the control of motor functions Dr. SEVGİLİ	Anatomy Lab (2) Histology Lab (1)	Neural plasticity Dr. SEVGİLİ-Dr. KORKMAZ	Limbic system and monoaminergic system Dr. SEVGİLİ-Dr. KORKMAZ	Spinal meninges, vessels and cerebrospinal fluid DR. ATALAR
13:30-14:20	Cerebral cortex and high functions of the nervous system Dr. SEVGİLİ-Dr. KORKMAZ	Medical English	Anatomy Lab (3) Physiology Lab (1)	Autonomous nervous system (parasympathetic) DR. BAHÇELIOĞLU	Eye anatomy and visual pathways DR. ATALAR
14:30-15:20	FREE STUDY TIME	Medical English	Anatomy Lab (3) Physiology Lab (1)	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU	Eye anatomy and visual pathways DR. ATALAR
15:30-16:20	FREE STUDY TIME	Elective Courses	Anatomy Lab (3) Physiology Lab (1)	FREE STUDY TIME	FREE STUDY TIME
16:30-17:20	FREE STUDY TIME	Elective Courses	Anatomy Lab (3) Physiology Lab (1)	FREE STUDY TIME	FREE STUDY TIME

4 th week	03.10.2022 MONDAY	04.10.2022 TUESDAY	05.10.2022 WEDNESDAY	06.10.2022 THURSDAY	07.10.2022 FRIDAY
08:30-09:20	FREE STUDY TIME	Ear and hearing pathways DR. BAHÇELIOĞLU	Ear and hearing pathways DR. BAHÇELIOĞLU	FREE STUDY TIME	FREE STUDY TIME
09:30-10:20	Nervous system Embryology Dr. YIĞMAN	Ear and hearing pathways DR. BAHÇELIOĞLU	Ear and hearing pathways DR. BAHÇELIOĞLU	Ear emb and histology Dr. DAYANIR	FREE STUDY TIME
10:30-11:20	Nervous system Embryology Dr. YIĞMAN	Eye emb. and histology Dr. SEYMEN	Vision Dr. TÜRKKAN	Ear emb and histology Dr. DAYANIR	Hearing and vestibular system Dr. TÜRKKAN
11:30-12:20	Nervous system Embryology Dr. YIĞMAN	Eye emb. and histology Dr. SEYMEN	Vision Dr. TÜRKKAN	Vision Dr. TÜRKKAN	Hearing and vestibular system Dr. TÜRKKAN
13:30-14:20	Panel:MS	Medical English	Anatomy Lab (4) Physiyology Lab (2)	Visible light and optical components of eye Dr. İNAM	Retina and its photoreceptor cells, receptor potentials Dr. İNAM
14:30-15:20	Eye anatomy and visual pathways DR. ATALAR	Medical English	Anatomy Lab (4) Physiyology Lab (2)	Visible light and optical components of eye Dr. İNAM	Retina and its photoreceptor cells, receptor potentials Dr. İNAM
15:30-16:20	Eye anatomy and visual pathways DR. ATALAR	Elective Courses	Anatomy Lab (4) Physiyology Lab (2)	FREE STUDY TIME	FREE STUDY TIME
16:30-17:20	FREE STUDY TIME	Elective Courses	Anatomy Lab (4) Physiyology Lab (2)	FREE STUDY TIME	FREE STUDY TIME

5 th week	10.10.2022 MONDAY	11.10.2022 TUESDAY	12.10.2022 WEDNESDAY	13.10.2022 THURSDAY	14.10.2022 FRIDAY
08:30-09:20	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU	Anatomy Lab (5) Physiology Lab (3)	CSE	FREE STUDY TIME	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU
09:30-10:20	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU	Anatomy Lab (5) Physiology Lab (3)	CSE	FREE STUDY TIME	Clinical and Radiographic Anatomy Dr.BAHÇELIOĞLU
10:30-11:20	Physiology of Sleep Dr. SEVGİLİ-Dr. KORKMAZ	Anatomy Lab (5) Physiology Lab (3)	CSE	Conditioned reflex, learning and memory Dr. SEVGİLİ-Dr. KORKMAZ	Panel: Learning
11:30-12:20	EEG Epilepsy Dr. SEVGİLİ-Dr. KORKMAZ	Anatomy Lab (5) Physiology Lab (3)	CSE	Conditioned reflex, learning and memory Dr. SEVGİLİ-Dr. KORKMAZ	Panel: Learning
13:30-14:20	Taste and olfaction Dr. TÜRKKAN	Medical English	Anatomy Lab (6) Histology Lab (2)	Introduction to hearing biophysics Dr. İNAM	Ear: outer-middle and inner ear, membrana basilar Dr. İNAM
14:30-15:20	Taste and olfaction Dr. TÜRKKAN	Medical English	Anatomy Lab (6) Histology Lab (2)	Introduction to hearing biophysics Dr. İNAM	Ear: outer-middle and inner ear, membrana basilar Dr. İNAM
15:30-16:20	FREE STUDY TIME	Elective Courses	Anatomy Lab (6) Histology Lab (2)	FREE STUDY TIME	FREE STUDY TIME
16:30-17:20	FREE STUDY TIME	Elective Courses	Anatomy Lab (6) Histology Lab (2)	FREE STUDY TIME	FREE STUDY TIME

6th week	17.10.2022 MONDAY YEAR 3 EXAM	18.10.2022 TUESDAY	19.10.2022 WEDNESDAY	20.10.2022 THURSDAY	21.10.2022 FRIDAY
08:30-09:20	FREE STUDY TIME	Anatomy Lab (7) Physiology Lab (4)	Anatomy Lab (8) Physiology Lab (5)	FREE STUDY TIME	FREE STUDY TIME
09:30-10:20	FREE STUDY TIME	Anatomy Lab (7) Physiology Lab (4)	Anatomy Lab (8) Physiology Lab (5)	FREE STUDY TIME	FREE STUDY TIME
10:30-11:20	FREE STUDY TIME	Anatomy Lab (7) Physiology Lab (4)	Anatomy Lab (8) Physiology Lab (5)	FREE STUDY TIME	FREE STUDY TIME
11:30-12:20	FREE STUDY TIME	Anatomy Lab (7) Physiology Lab (4)	Anatomy Lab (8) Physiology Lab (5)	FREE STUDY TIME	FREE STUDY TIME
13:30-14:20	FREE STUDY TIME	Medical English	Anatomy Lab (9) Histology Lab (3)	FREE STUDY TIME	FREE STUDY TIME
14:30-15:20	FREE STUDY TIME	Medical English	Anatomy Lab (9) Histology Lab (3)	FREE STUDY TIME	FREE STUDY TIME
15:30-16:20	FREE STUDY TIME	Elective Courses	Anatomy Lab (9) Histology Lab (3)	FREE STUDY TIME	FREE STUDY TIME
16:30-17:20	FREE STUDY TIME	Elective Courses	Anatomy Lab (9) Histology Lab (3)	FREE STUDY TIME	FREE STUDY TIME

7th week	24.10.2022 MONDAY	25.10.2022 TUESDAY	26.10.2022 WEDNESDAY	27.10.2022 THURSDAY	28.10.2022 FRIDAY
08:30-09:20	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 THEORETICAL EXAM	
09:30-10:20	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 THEORETICAL EXAM	
10:30-11:20	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 THEORETICAL EXAM	
11:30-12:20	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 APPLIED EXAM	YEAR 2 THEORETICAL EXAM	
13:30-14:20	YEAR 2 APPLIED EXAM	Medical English	YEAR 2 APPLIED EXAM		
14:30-15:20	YEAR 2 APPLIED EXAM	Medical English	YEAR 2 APPLIED EXAM		
15:30-16:20	YEAR 2 APPLIED EXAM	Elective Courses	YEAR 2 APPLIED EXAM		
16:30-17:20	YEAR 2 APPLIED EXAM	Elective Courses	YEAR 2 APPLIED EXAM		