



APPROVED
H.T. Head of the Department
Of Morphology and Forensic Medicine
DMedSc., Ass.Prof. A.F. Badalyan

30th August 2024

SYLLABUS OF PRACTICAL CLASSES
General Medicine (international students)
Course «Anatomy»
Autumn semester (3) of 2024-2025 academic year
Groups 2321, 2322

/n	The topic of practical classes	Amount of classroom hours
1	Introduction to the anatomy of the peripheral nervous system. Functional anatomy of the I-IV pairs of cranial nerves. Structure of the I, II, III, IV, VI, VIII pairs of cranial nerves.	3
2	Functional anatomy of the V pair of cranial nerves. The structure of the V cranial nerves.	3
3	Functional anatomy of the VI-XII pairs of cranial nerves. Structure of the VII, IX pairs of cranial nerves. Structure of the X, XI, XII pairs of cranial nerves.	3
4	Functional anatomy of the autonomic nervous system: development, general patterns of structure. Functional anatomy of the autonomic nervous system: the structure of the sympathetic and parasympathetic divisions.	3
5	Patterns of innervation of internal organs. Patterns of innervation of the organs of the head, neck, thoracic cavity. Patterns of innervation of organs of the abdominal cavity, pelvis.	3
6	Functional anatomy of spinal nerves: development, general patterns of structure. Formation of the spinal nerve and its branches. The structure of the cervical plexus. Functional anatomy of somatic nerve plexuses. The structure of the brachial plexus.	3
7	The structure of the thoracic spinal nerves and lumbar plexus. The structure of the sacrococcygeal plexus.	3
8	The final lesson on the peripheral nervous system.	3
9	Introduction to angiology. Functional anatomy of the heart. The structure of the heart and pericardium.	3
10	Circulatory system. Lesser (pulmonary) circulation. Aorta, its divisions, branches of the aortic arch.	3
11	Functional anatomy of the arterial system. The structure of the external carotid artery.	3
12	Blood supply to the brain and spinal cord. The structure of the internal carotid and subclavian arteries.	3
13	The structure of the arteries of the upper limb.	3
14	The structure of the thoracic aorta. Parietal and paired visceral branches of the abdominal aorta.	3



	The structure of the unpaired visceral branches of the abdominal aorta.	
15	The structure of the iliac arteries. The structure of the arterial system of the lower limb.	3
16	Functional anatomy of the venous system. The structure of the venous system of the head and neck. The structure of the venous system of the thoracic cavity and upper limb.	3
17	Functional anatomy and anastomoses of the portal vein. The structure of the inferior vena cava.	3
18	The structure of the venous system of the pelvis and lower limb. Morphofunctional patterns of development of the cardiovascular system. Development and abnormalities of the heart.	3
19	Functional anatomy of the lymphatic system. The structure of the lymphatic system of the head, neck, upper limb, trunk, lower limb.	3
20	Functional anatomy of the immune system. The structure of the central and peripheral organs of the immune system.	3
21	The human body as a whole. Final lesson on the cardiovascular system (practical part).	3
	TOTAL:	64



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университет» Министерства здравоохранения Российской Федерации

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THEMATIC PLAN OF PRACTICE SESSIONS
Faculty of General Medicine (foreign students)
Course «Anatomy»
Autumn Term (3) 2024-2025 academic year
Groups 2324, 2325, 2326

№ i/i	Topics of practice (theoretical sessions)	Number of academic hours
1	Functional anatomy of cranial nerves (I-VIII)	3
2	Functional anatomy of cranial nerves (IX-XII)	3
3	Functional Anatomy of the Vegetative Nervous System (Parasympathetic Division)	3
4	Functional Anatomy of the Vegetative Nervous System (Sympathetic Division)	3
5	Functional anatomy of the spinal nerves (posterior branches of the spinal nerves; cervical and brachial plexuses)	3
6	Functional anatomy of spinal nerves (thoracic nerves; lumbar, sacrococcygeal plexuses)	3
7	Final lesson on the peripheral nervous system	3
8	General angiology. Functional anatomy of the heart. The aorta, its parts. Thoracic part of the aorta	3
9	Branches of the aortic arch. Arterial system of the head and neck	3
10	Abdominal part of the aorta. Iliac arteries	3

11	The laws of blood supply to the limbs and their joints	3
12	Vena cava systems. Superior vena cava	3
13	Inferior vena cava and vena porta. Anastomosis. Fetal blood circulation	3
14	Venous drainage from the limbs	3
15	Anatomy of the lymphatic and immune systems	3
16	Final lesson on the cardiovascular system	3
	Total	48

