**Department of Human Anatomy and Medical Terminology**

**Specialty: "Pharmaceutics"**

**1st year, thematic plan of lectures**

1. Introduction to the subject of human anatomy. Purpose, tasks and methods of anatomy research. Development of anatomy in Azerbaijan. The history of the development of anatomy. Information about the origin and pronunciation of Latin terms used in teaching anatomy. General information about the stages of human embryogenesis. Features of prenatal and postnatal ontogenesis. An organ as a complex system of tissues.– 2 h.
2. General anatomy of the skeleton. The concept of the structure, shape, classification, physical and chemical properties of bones. Information about the development of bones. The structure of the periosteum and bone marrow.-2h.
3. Anatomy of bone junctions. The types of bone junctions, contiguous (uninterrupted), and interrupted junctions. Half-joints, their distinctive features. Interrupted (movable, synovial) junctions (joints). Biomechanical classification of joints. The auxiliary elements of the joints. The fixation of joints. The elements which inhibit the movement in joints. – 2 h.
4. The morphofunctional anatomy of the muscles. The muscle as an organ. The structure and classification of the muscles. Muscle strength and work. General information about muscle development. Features of muscle development at different stages of ontogenesis. – 2 h.
5. General information about splanchnology. General overview of internal organs, functional anatomy, development. Functional anatomy of the digestive organs. The structure of the tubular organs. Glands: structure and classification. The structure of the tubular organs. Glands: structure and classification. Development of the primary intestinal tube, general information about the differentiation of the anterior, middle and posterior intestines.. – 2 h.
6. Functional anatomy of the respiratory system. Functional anatomy of the urogenital system and endocrine organs. – 2h.
7. Information about the nervous system. Elements of the structure of the nervous system. Features of the structure of the spinal cord and brain. Spinal nerves.– 2 h.
8. Functional anatomy of the sensory organs. 12 pairs of cranial nerves. The vegetative nervous system. – 2 ч.
9. Cardiovascular system. Greater and lesser circles of blood circulation, local blood circulation.-2h.
10. Elements of the structure of the lymphatic system. Lymphatic capillaries, vessels, nodes, ducts. Pathways for the outflow of lymph into the venous system.– 2 h.

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**1st year, thematic plan of practical classes on the subject "Human Anatomy and Medical Terminology"**

**Topic 1.** Structure, functional anatomy of the trunk bones, and their joints. Structure, functional anatomy of the bones and joints of limbs. Latin terms used in topic.-2h.

**Topic 2.** Skull bones: information about the structure, features, topography, and connections. -2h.

**Topic 3.** Functional anatomy of the muscles of the head and trunk. – 2h.

**Topic 4.** Functional anatomy of the muscles of the extremities. -2h.

**Topic 5.** The organs of the digestive system, functional anatomy, and Latin terms of the topic. – 2h.

**Topic 6.** Respiratory system organs, structure, functional anatomy, and Latin terms of the topic.-2h.

**Topic 7.** The structure and functional anatomy of the urogenital organs. .-2h.

**Topic 8.** Organs of the endocrine system, functional anatomy, and Latin terms of the topic.-2h.

**Topic 9. COLLOQUIUM 2 (interim assessment on the locomotor apparatus and internal organs).** Only practical class materials covering topics 1-18 will be included in this colloquium. The colloquium will be held centrally at the University Examination Center.– 2h.–2 h.

**Topic 10.** Structure, elements of the nervous system, spinal cord. Spinal nerves, plexuses and branches. -2h.

**Topic 11.** Brain: parts, structure, cerebral vesicles and their derivatives. -2h.

**Topic 12.** Sensory organs and 12 pairs of cranial nerves. -2h.

**Topic 13.** Information about the cardiovascular system. Circles of blood circulation and their functional features. -2h.

**Topic 14.** The heart, its structure, topography. Vascularization and innervation. -2h.

**Topic 15.** Aorta, parts of the aorta, branches. Features of vascularization of brain.- 2h.

**Topic 16.** Features of vascularization of organs, and limbs.- 2h.

**Topic 17.** Venous system. Superior vena cava. -2h.

**Topic 18.** Inferior vena cava. Portal vein. Latin terms used in topic. -2h.

**Topic 19.** The structure and features of the lymphatic system. -2h.

**Topic 20.** The vegetative nervous system.– 2 h.

**Head of the Department of**

**Human anatomy and medical terminology,**

**associate professor A.S.Abdullayev**