

**The program of the courses of Human Anatomy  
for 1-st year students**  
**Dentistry Faculty**

**Neck and Thorax.**

**Seminars and practical classes**

**Course 1. (15.12.21) Introduction.** General description and topography of the neck (C7, the hyoid bone, the jugular notch , the pharyngeal eminence, pulse detection) .

**Course 2.(on-line)**

*Part.1* Muscles of the neck (superficial, infra-and suprahyoid, deep groups). Fascia and species of the neck. Trigones of the neck.

*Part 2.* Cervical part of the sympathetic trunk. Cranial nerves- IX, X, XI, XII- the course and topography in the neck. Cervical plexus and its branches.

**Course 3 (on-line)**

*Part 1 and 2* The larynx ( cartilages, articulations, ligaments). The quadrangular membrane and elastic cone. Muscles- anatomical and functional division.. Cavities of the larynx. Innervation and blood supply of the larynx.

**Course 4 (11.01.22).** The pharynx. Parapharyngeal space and its contents. Trachea, the esophagus. The thyroid and parathyroid glands.

**Course 5. (12.01.22)** The subclavian artery and its branches (thyro-cervical trunk, costo-cervical trunk, vertebral, internal thoracic arteries). The external carotid artery and its branches ( superior thyroid, lingual, facial, ascending pharyngeal, occipital, posterior auricular, maxillary and superficial temporal artery). The internal carotid artery - cervical part. The jugular veins and its tributaries.

**Course 6.(18.01.2022)** Lymph nodes of the neck and thorax. Mediastinal lymph nodes: groups, division. Thoracic duct. Breast. Muscles of back.

## **Thorax**

**Course 1 (19.01.22)** Topographic lines and regions of thorax. Palpation of bony structures- clavicle, sternal angle, ribs. Muscles: superficial, deep and diaphragm. Mediastinum: boundaries, division, cavities. The thymus gland- structure, relations.

**Course 2. (25.01.22)** The trachea and bronchi- division, topography, structure. Lung: structure, position, relations, surface features, fissures and lobes, hilum and roots. Innervation of the lungs. Blood supply- functional and systemic (nutrient). Sympathetic trunk and its branches. The phrenic nerve- thoracic part.

**Course 3. (26.01.22)**

Pericardium: parietal and visceral, ligaments, innervation, sinuses. The heart- detailed structure- size, shape and external features; cardiac chambers and internal features; fibrous skeleton of the heart. Epicardium, myocardium, endocardium. Vessels of the heart ( coronary arteries and veins). Conduction system. Innervation of the heart. Projection of valves and the heart on chest wall.

**Course 4. (01.02.22)** Fetal circulation. Thoracic aorta- ascending,; arch of the aorta, descending its branches. Brachiocephalic veins, superior and inferior vena cava. Vagus nerve- thoracic part. Intercostal vessels and nerves. Internal thoracic artery. Azygos vein system-, azygos, hemiazygos and accessory hemiazygos vein.

**Course 5.(02.02.22)**

Practical test

**Course 9 (08.02.2022) CET**

**Written test: neck, thorax, back**