

GENERAL ANATOMY

Vessels – types, structure, general features

Muscle – structure, accessory apparatus of the muscle, general features of innervation and blood supply

Division of the muscles according to function

Structure and type of the bones, blood supply and innervation

Articulation of the bones, joints – structure and types

LOCOMOTOR SYSTEM

Cervical and thoracic vertebrae – description

Lumbar vertebrae and sacral bone – description

Ribs and sternum – description

Thorax as a whole

Pelvis as a whole, connection of the pelvis

Occipital bone – description

Frontal and parietal bone – description

Sphenoidal bone – description

Temporal bone – describe parts of the bone

Petrous part of the temporal bone – description

Canals and cavities of the temporal bone (Petrous part)

Ethmoidal bone, nasal bones, lacrimal bone, inferior nasal concha, vomer

Zygomatic bone, palatine bone, hyoid bone

Maxilla and mandible

Orbit – walls and openings

Nasal cavity – walls and openings

Temporal and infratemporal fossa

Pterygopalatine fossa

Cranial base – opening and canals of the base of the skull

Temporomandibular joint, structure and movements

Anthropometric features and diameters of the adult skull

Masticatory muscles

Muscles of the head, orofacial region and fascias

Muscles and fascias of the neck

Muscles of the thorax – general description – review

Diaphragm

Muscles and fascias of the abdomen – general description

Inguinal canal

Muscles of the pelvic floor

Deep (autochthonous) back muscles

Superficial (heterochthonous) back muscles, fascias of the back

CARDIOVASCULAR SYSTEM

Structure of the wall of the heart

Structure of the myocardium of the heart's atrium and ventricle

Heart – endocardium, valves and heart skeleton

Heart – pericardium, epicardium

Heart – left and right ventricle

Heart – left and right atrium

Heart – conducting system – description and function

Heart – coronary arteries, veins and nerves, lymph drainage

Heart – location and projection, x-ray of the heart, auscultation places of the heart

Heart – topographical position, description – external

Fetal blood circulatory system

Ascending aorta, aortic arch – pathway and branches

Thoracic aorta – pathway and branches

Abdominal aorta – pathway and parietal branches

Abdominal caorta – unpaired visceral branches – pathway

Abdominal aorta – paired visceral branches – pathway

Common iliac arteries – external, internal – summary

Subclavian artery

Axillary artery

Common carotid arteries, ICA – pathway and branches (except branches of the brain)

ECA – pathway and branches

ECA – middle and dorsal group of the branches

Superior thyroid artery

Lingual artery

Facial artery

Superficial temporal artery

Maxillary artery

Azygos, hemiazygos, accessory hemiazygos veins

Portal vein – origin, pathway, tributaries

Portocaval anastomosis

Lymph nodes – structure, functional zones, lymphatic vessels

Main lymphatic trunks – description

Lymphatic vessels and nodes of the head and neck

Lymphatic vessels and nodes of the thorax and organs of the thoracic cavity

Lymphatic vessels and nodes of the pelvis and pelvic organs

Lymphatic vessels and nodes of the abdomen and organs of the abdominal cavity

Thymus – structure, position, function and blood supply

Spleen – structure, position, function and blood supply

Superior vena cava

Inferior vena cava

Brachiocephalic veins, system of the jugular veins

Internal jugular vein – pathway and tributaries

NERVOUS SYSTEM + SENSORY ORGANS

Structure of the spinal nerve

Cervical plexus, description

Brachial plexus, description

Nerves of the thorax, intercostal nerves

Lumbar plexus, description

Sacral plexus, description

Structure of cranial nerves – quality of the fibers

Nell. of the cranial nerves – the rhomboid fossa

Cranial nerves – outputs from the brain stem – description

Cranial nerves – outputs from the external base of the skull – description

Cranial nerves – III, IV and VI

Cranial nerve – V/1

Cranial nerve – V/2

Cranial nerve V/3

Cranial nerve – VII

Cranial nerve – IX
Cranial nerve – X
Cranial nerves – XI and XII
Structure of autonomic nerves
Abdominal and pelvic autonomic plexus
Spinal medulla – description
Spinal medulla – structure, white and grey matter
Oblongate medulla – description
Oblongate medulla – structure
Rhomboid fossa – description
Pons – description and structure
Mesencephalon – description and structure
Cerebellum – description
Diencephalon – description, divisions
Hypothalamus and subthalamus – description and structure
Hypophysis, hypothalamo-hypophysial system
Epithalamus and metathalamus – description and structure
Thalamus – description and structure
Brain hemispheres – description, main parts
Description of the medial and basal surfaces of the brain hemispheres
Description of the superolateral surface of the brain hemispheres
Functional sensory and special sensory cortex regions
White matter of the brain hemisphere – association and commissural fibers, capsula interna
Connections of the hippocampal formations – limbic system
Basal ganglia and their connections
Main principles of the neural pathways
Neural pathways of the spinal cord
Pathways and connections of the cerebellum
Direct motor pathways
Indirect motor pathways
Lemniscal system of the sensory pathways
Anterolateral system of sensory pathways
The fourth ventricle

The third ventricle
The lateral brain ventricles
Circulation of the cerebrospinal fluid
Meninges of the brain and spinal cord
Blood supply of the spinal cord
Blood supply of the brain
External ear, tympanic membrane
Middle **ear**, tympanic cavity
Osseous labyrinth
Membranous labyrinth
The vestibular pathway
The auditory pathway
Eye bulb
Conjunctiva, lacrimal apparatus and gland, palpebra
Retinae, vitreous body
Oculomotor muscles
Blood supply and innervation of the eye bulb
The visual pathway
Gustatory and olfactory pathways

ORGANOLOGY

Oral cavity
Hard and soft palate, muscles of the soft palate, blood supply and innervation, isthmus faucium
Tongue – description, innervation and blood supply
Tongue – intra –and extraglossal muscles
Salivary glands, general description, blood supply and innervation
Submandibular gland – description, structure, topography, blood supply and innervation
Sublingual gland – description, structure, topography, blood supply and innervation
Parotid gland – description, structure, topography, blood supply and innervation
Buccal region – description
General features of the teeth
Structure and description of the teeth, innervation and blood supply
Description of teeth eruption – deciduous and permanent

Type of teeth occlusion

Periodontium

FDI Federation Dentaire Internationale, description of the deciduous and permanent eruption

Pharynx – description

Pharynx – structure, blood supply and innervation

Waldeyer's lymphatic ring

Oesophagus – description, pathway and parts

Oesophagus – structure of the wall, blood supply and innervation

Gaster – structure of the wall, blood supply and innervation

Duodenum – description, topography and projection, blood supply and innervation

Jejunum and ileum – description, topography and projection, blood supply and innervation

Large intestine – description, topography and projection, blood supply and innervation

Caecum and appendix vermiformis

Descending colon and sigmoid part

Rectum – description, projection, blood supply and innervation

Liver – structure, nutritive and functional circulation

Intrahepatal and extrahepatal bile ducts, gall bladder

Liver – description

Pankreas – description, projection, blood supply and innervation

Peritoneum – general description of the structure

Peritoneal duplicature – their formation, description

Supramesocolic part of the peritoneal cavity

Bursa omentalis

Inframesocolic part of the peritoneal cavity

Paranasal sinuses

Larynx – joints and muscles

Larynx – cartilage and ligaments

Larynx – description of the laryngeal cavity, blood supply and innervation

Trachea

Bronchi, bronchial arbor (tree)

General description of the lungs

Lungs – topography, location, projection

Right lung – description, lobes, segments

Left lung – description, lobes, segments

Blood supply and innervation, lymphatic draining of the lungs

Parietal and visceral pleura, topography – borders

Mechanism of the respiration, pneumothorax

Kidney – description, projection, topography

Structure of the kidney – functional unit of the kidney

Blood supply and innervation, lymphatic draining of the kidney

Renal calix, renal pelvis, ureters

Urinary bladder, description, structure, topography

Male urethra

Female urethra

Testis – description, structure, topography, blood supply and innervation

Spermatic cord, ductus deferens

Epididymis. Seminal vesicle.

Prostate

Scrotum, covers of the testis

Penis – structure, blood supply and innervation

Ovary – description, structure, topography, blood supply and innervation

Uterine tube – description, structure, topography, blood supply and innervation

Uterus – description, structure

Uterus – topography, position, blood supply and innervation

Vagina – description, structure, blood supply and innervation

Female External genital organs

Thyroid and parathyroid glands – structure, blood supply and innervation

Suprarenal gland – structure, blood supply and innervation