

Topics list of Human Anatomy

First semester

Upper limb, chest cavity and vertebral column. Histology

1. Planes, directions, way of orientation in human body. Epithelial tissue.
2. Humerus, radius and ulna. Muscles of the forearm.
3. Carpal bones, carpal tunnel and related muscles. Metacarpal bones and fingers.
4. Shoulder joint. Muscles acting on the shoulder joint.
5. Elbow. Muscles acting on the elbow joint.
6. Wrist joint. Muscles of the hand.
7. General osteology, bone tissue, bone development. Wrist joint.
8. Flexor muscles of the forearm.
9. General myology, muscle tissue, structure of tendons. Extensor muscles of the forearm.
10. Cartilaginous and bone tissue. Flexor muscles of the forearm.
11. Blood, blood vessels. Structures and types of the joints.
12. Blood supply of the upper limb. Extensor muscles of the forearm.
13. Innervation of the upper limb. Carpal tunnel.
14. Connective tissue. Triangular and quadrangular spaces of the upper limb.
15. Vertebral column and superficial back muscles.
16. Chest cavity, diaphragm. Respiratory movements and muscles.
17. Muscles of the back. Movements of the vertebral column.

Lower limb, abdominal muscles and skull

1. Bones of the lower limb. Hip joint.
2. Gluteal muscles, suprapiriform and infrapiriform hiatuses.
3. Abdominal muscles. Inguinal canal and subinguinal hiatus.
4. Hip: bones and joints.
5. Knee joint, muscles acting on the knee.
6. Tibia and fibula. Tarsal bones. Muscles of the leg.
7. Extensor and flexor muscles of the thigh.
8. Extensor and flexor muscles of the leg.
9. Structure of the foot, mechanism of walking. Muscles of the foot.
10. Pelvis, statics of the pelvis. Muscles of the pelvic region.
11. Ankle joint. Muscles of the foot.
12. Ankle joint. Blood supply of the lower limb.
13. Knee joint. Innervation of the lower limb.
14. Hernial canals, femoral trigone.
15. Structure of the skull: neurocranium.
16. Structure of the skull: viscerocranium.
17. Nasal cavity and orbit.
18. Bones of the skull and sutures. Pterygopalatine fossa.
19. Base of the skull.
20. Muscles of the head.

Topics list of Human Anatomy

Second semester

Internal organs:

1. Oral cavity and teeth.
2. Oral cavity and tongue.
3. Salivary glands, pharynx.
4. Respiratory system, nasal cavity, larynx.
5. Respiratory system, trachea, lung.
6. Chest cavity, anterior mediastinum.
7. Posterior mediastinum.
8. Heart: gross anatomy of the heart.
9. Blood supply of the heart.
10. Digestive system: esophagus, stomach.
11. Digestive system: small intestine.
12. Digestive system: large intestine.
13. Liver and pancreas.
14. Urinary system: kidney.
15. Urinary system: ureter, urinary bladder and urethra (male and female urethra).
16. Male genital organs.
17. Female genital organs.

Neuroanatomy:

1. Nervous tissue and synapses. Fasciculus gracilis and cuneatus.
2. Spinal cord.
3. Gross anatomy of the brain, meningeal layer, sinuses. Spinothalamic tracts.
4. Brain stem, diencephalon. Corticospinal tracts.
5. Cerebrum, cerebellum, basal ganglia. Spinocerebellar tracts.
6. Sensory pathways.
7. Motor pathways.
8. Cranial nerves: II. IV. VI. XI. XII.
9. Cranial nerves: VII. IX. X.
10. Neuroendocrine system: hypothalamus, hypophysis.
11. Neuroendocrine system: thyroid, parathyroid, adrenal gland, pancreas.
12. Eye and visual apparatus. Oculomotor nerve.
13. Ear and hearing.