

ANATOMY 1 General medicine_Autumn 2015

| Lecture | | Seminar | Self-study |
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| 1. | Introduction to anatomy (anatomical terminology, planes and directions of the human body). Osteology, rules for description of bones Introduction to radiology Skeleton of the spine and thorax | Skeleton of the spine and thorax (vertebrae, sacrum, coccyx, ribs, sternum) Description of x-ray pictures | Study in the bone room of the Department of Anatomy |
| 2. | Skeleton of the upper and lower extremities | Skeleton of the upper and lower extremities Description of x-ray pictures | Study in the bone room of the Department of Anatomy |
| 3. | Skull (os sphenoidale, os temporale, maxilla, mandibula, cavities of the skull) Skull | Skull, skull of the newborn Description of x-ray pictures | Bones of the neurocranium and viscerocranium, sex differences of the skull Study in the bone room |
| 4. | Diarthroses (general structure) Joints of the spine, thorax and skull Joints of the upper limb (art. humeri et cubiti) | Joints of the spine, thorax and skull Joints of the upper limb (art. humeri et cubiti) Description of x-ray pictures | General arthrology (synarthroses, diarthroses) The shape and movements of the spine and thorax, incl. movements during respiration |
| 5. | Joints of the upper limb (art. radiocarpalis et mediocarpalis, canalis carpi) Joints of the lower limb (pelvis, art. coxae, art. genus, art. talocruralis, art. tarsi transversa - Chopart's joint, art. tarsometatarsales - Lisfranc's joint) Arches of the foot | Joints of the upper and lower limbs Pelvis Pelvic planes Description of x-ray pictures | Artt. sternoclavicularis, acromioclavicularis, ligaments of the scapula, art. radioulnaris dist., membrana intercostalis antebrachii, artt. carpometacarpales, metacarpophalangeales, et interphalangeales manus. Juncturae tibiofibulares, artt. sacroiliaca, subtalaris, talocalcaneonavicularis, calcaneocuboidea, cuneonavicularis, cuneocuboidea, intercuneiformes, metatarsophalangeales, et interphalangeales pedis |
| 6. | General description of the muscle Functional muscular groups and their representatives | Demonstration of the muscles of the upper and lower extremity and back | Muscular groups and their representatives |
| 7. | Digestive system 1: structure of the digestive tube, oral cavity (palatum, tonsils, salivary glands), pharynx, small and large intestine | Muscles of the head Oral cavity (incl. tongue and salivary glands), pharynx, stomach, small and large intestine Description of x-ray pictures | Muscles of the head Oral cavity (vestibulum, oral cavity proper). Dentition (description, eruption, fixation, dental formula Pharynx, oesophagus, stomach, small and large intestine |
| 8. | Digestive system 2: liver (functional and nutritive circulations), gall bladder, bile ducts, pancreas, peritoneal cavity (situs viscerum), peritoneum (folds, recesses) | Muscles of the abdomen Liver, gall bladder, spleen, pancreas, duodenum Description of x-ray pictures | Muscles of the abdomen Description of the liver, gall bladder, spleen, pancreas |

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| 9. | Respiratory system: upper and lower respiratory tract (survey, function), function of laryngeal muscles, laryngoscopic picture, nutritive and functional circulation of lungs, pulmonary segments, mechanism of respiration | Laryngeal muscles Nasal cavity (vestibulum, nasal cavity proper), larynx, bronchi, lungs, thyroid gland Cricothyrotomy, tracheotomy Description of x-ray pictures | External nose, nasal cartilages. Nasal cavity, sinuses Larynx (cartilages, joints, muscles – groups, origins, insertions, innervation, function) Arbor bronchialis Projection of lungs and pleura onto the thoracic wall. Thymus and parathyroid glands |
| 10. | Urinary system: kidney (blood supply, lymphatic drainage, fixative apparatus), ureter (physiologic constrictions, Lanz's point), urinary bladder (trigonum vesicae, fossa retrotrigonalis, uvula vesicae, structure of the wall, mechanism of micturition) Male genital system: testis and epididymis (coverings of the testis and spermatic cord, descensus testis, lymphatic drainage), ductus deferens (structure), funiculus spermaticus (structure, position of components), prostate (structure), penis (structure, mechanism of erection, portions of the urethra, m. sphincter urethrae internus et externus Male pelvic floor | Kidney (cortex, medulla, pyramides renales, columnae renales, papillae renales, calices renales minores et majores, pelvis renalis. Topography of the ureter. Urinary bladder (ostia ureterum, ostium urethrae internum, plicae umbilicales) Description of the scrotum and prostate Penis (description, innervation, blood supply) Male urethra (curvatura prepubica et subpubica, lumen of urethral portions) Testis (description, septula testis, tubuli seminiferi contorti, lobuli testis) Epididymis (description, lobuli epididymidis, ductus epididymidis). Ductus deferens (relation to the ureter and vesica urinaria). Position of seminal vesicles in the lesser pelvis, ductus ejaculatorius. Funiculus spermaticus (position of components, topography). Description of x-ray pictures | Kidney (description, nephron) Portions of the ureter Description of the urinary bladder Description of the testis and epididymis. Portions of the ductus deferens Description of the seminal vesicles Description of male external genital organs |
| 11. | Preparation for the dissection: spinal nerve; dorsal rami; plexus brachialis, lumbalis et sacralis | Preparation for the dissection: demonstration of the regions and structures of the upper extremity | Preparation for the dissection: regions and muscles of the back |
| 12. | Preparation for the dissection: survey of regions of the back and extremities and their vascularization | Preparation for the dissection: demonstration of the regions and structures of the lower extremity | Preparation for the dissection: regions and muscles of the extremities |
| 13. | Dissection I. (dissection of the back, upper and lower extremities) | | |
| 14. | Female genital system: ovary (blood supply, descensus ovarii, structure), uterus (shape, position, changes during life of the women, blood supply, fixative apparatus, structure of the wall, parametrium, perimetrium, vagina (relation to the surroundings). Female pelvic floor | Ovary (description, position in the lesser pelvis) Fallopian tube, uterus, vagina Description of x-ray pictures | Description of the ovary, uterine tube, uterus and vagina Portions of the Fallopian tube Description of the female external genital organs |

