**ANATOMY 2** General medicine - spring 2017

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| **Lectures** | | **Seminars** | **Self-study** |
| **1.** | Urinary system  Male genital system | Urinary system, Male genital system and pelvic floor  Description of x-ray pictures | Male external genital organs  The muscles of the external genitalia of man |
| **2.** | Female genital system  Female pelvic floor | Female genital system and pelvic floor, topographic anatomy of pelvis, Description of x-ray pictures | Female external genital organs  The muscles of the external genitalia  of woman |
| **3.** | Heart, aortic arch | Heart, ascending aorta, aortic arch.  A. carotis communis, a. carotis externa | Innervation and the lymph system of the heart |
| **4.** | Arteries, veins, lymph system (a review) | Descending aorta, main arteries and veins, Portal vein, portocaval anastomoses, Fetal circulation | Branches of arteries. Tributaries of veins. Lymphatic system |
| **5.** | Spinal cord and brain stem (structure) | Gross anatomy of the CNS (spinal cord, brain stem). Appearance of the cranial nerves in the brainstem  Cranial nerve nuclei on the floor of IV. ventricle | General anatomy of nerve system |
| **6.** | Cranial nerves (III.-VII., IX-XII) | Cranial nerves (III.-VII., IX-XII), course.  Skull base | The main innervation regions of cranial nerves |
| **7.** | Cerebellum and diencephalon (structure, connections, functions)  Hypothalamic-pituitary connections | Cranial nerve (V)  Gross anatomy of the cerebellum and diencephalon | Axonal transport |
| **8.** | Telencephalon (structure)  Basal ganglia (connections, functions) | Telencephalon (anatomy; grey matter – cortex + basal ganglia; white matter – pathways) | Basic cortical areas by Brodmann |
| **9.** | Blood supply, meninges and ventricles  of the CNS, cerebrospinal fluid | Blood supply, meninges and ventricles  of the CNS, cerebrospinal fluid | Circumventricular organs |
| **10.** | Auditory and vestibular system  Cranial nerve VIII | Auditory and vestibular system  Temporal bone |  |
| **11.** | Visual system + orbital region | Visual system + orbital region | Cervical plexus, intercostal nerves |
| **12.** | Human body imaging techniques  Organ projections | Imaging techniques, reading of anatomical structures | Skin and its derivatives |
| **13.** | ANS (cervical sympathetic system, enteric system, central modulation of the ANS) | Preparations for the dissection:  Topographic anatomy of head, neck and trunk regions | ANS (division, characteristics, basic structural arrangements) |
| **14. & 15.** | Dissection (dissection of the head, neck and trunk) | | |

Practical Exam from Anatomy-Dissection 2 (head, neck, ventral side of the trunk, pelvis) – announced dates in the first two days of the 1st week of the

exam period.