

ANATOMY 2 General medicine - spring 2016

Lectures – 3 hours		Seminars – 3 hours	Self-study
1.	Heart	Heart, ascending aorta, aortic arch.	Innervation and the lymph system of the heart. Projection of the heart on the thoracic wall.
2.	Arteries, veins, lymph system (digest)	Descending aorta, main arteries and veins. Portal vein, portocaval anastomoses. Fetal circulation.	Branches of arteries. Tributaries of veins. Lymphatic system.
3.	Spinal cord and brain stem (structure)	Gross anatomy of the CNS (spinal cord, brain stem, cerebellum, mesencephalon, diencephalon). Appearance of the cranial nerves in the brainstem.	General anatomy of CNS
4.	Cranial nerves (III.-VII., IX)	Cranial nerves (III. – XII.), course, skull base	The main innervation regions of cranial nerves
5.	Auditory and vestibular system, cranial nerves VIII, X-XII.	Auditory and vestibular system + temporal bone	The main innervation regions of cranial nerves
6.	Visual system, orbital region	Visual system + orbital region	
7.	Telencephalon, Basal ganglia (connections, functions)	Telencephalon (anatomy; grey matter – cortex + basal ganglia; white matter – pathways)	Basic cortical areas by Brodmann.
8.	Blood supply, meninges and ventricles of the CNS, cerebrospinal fluid	Blood supply, meninges and ventricles of the CNS, cerebrospinal fluid	Circumventricular organs.
9.	Human body imaging techniques, organ projections	Imaging techniques, reading of anatomical structures	Skin and its derivatives.
10.	Cerebellum (structure, connections, functions) Diencephalon (structure, functions) Hypothalamic-pituitary connections	Preparations for the dissection: head, neck and trunk regions	Axonal transport.
11.	Cervical plexus. AOB.	Preparations for the dissection: head, neck and trunk regions	Cervical plexus, intercostal nerves.
12.	ANS (cervical sympathetic system, enteric system, central modulation of the ANS)	Preparations for the dissection: head, neck and trunk regions	ANS (division, characteristics, basic structural arrangements).
13.	Dissection (dissection of the head, neck and trunk)		
14.			