

Study program : MEDICINE
Type and level of studies: Integrated academic studies, Level 1/2
Course unit: HUMAN ANATOMY 2
Teacher in charge : Associate Professor Ivana Živanović-Mačužić MD, DSc, MSc
Language of instruction : ENGLISH
ECTS: 8
Prerequisites:
Semester: SUMMER SEMESTER
Course unit objective: Acquiring knowledge and skills in human anatomy.
<p>Learning outcomes of Course unit:</p> <p>After successfully completing the course, students will be able to:</p> <ul style="list-style-type: none"> - Identify and describe the skeletal, muscular, neural, vascular and lymphatic structures of head and neck - Identify and describe the parts of central and peripheral nervous system, including the brain, spinal cord, peripheral nerves and the autonomic nervous system and know their major functions. - Discuss about the anatomic subunits and topographic regions of the of the head and neck as well as their connections and relations. - Understand how the nervous system functions as one of the major control systems of the body - Synthesize ideas to make connections between anatomy and physiology - Develop a vocabulary of appropriate terminology to effectively communicate anatomy-related information to future coworkers.
<p>Course unit contents</p> <p><i>Theoretical classes</i></p> <p>Anatomy of head and neck. Anatomy of nervous system.</p> <p>Anatomy of the skull and facial bones and cervical vertebrae. Anatomy of the craniofacial cavities and its osseal connections. Joints of the skull. Anatomy of the muscles of the head and neck. Anatomy of cervical plexus, cranial nerves, autonomic nervous system, arteries, veins and lymphatics of the head and neck. Anatomy of the oral cavity and the pharynx, nasal cavity and larynx. Anatomy of the eye and ear. Introduction to the anatomy of the central nervous system. Anatomy of the spinal cord and the spinal nerves. Anatomy of the brain stem, cerebellum and the 4th cerebral ventricle, diencephalon and 3th cerebral ventricle, telencephalon and lateral cerebral ventricles. Anatomy of subcortical gray matter. Limbic system. Sex dimorphism of the human brain. Pathways of the nervous system (motor, sensitive, sensorial). Vascularization of the brain.</p> <p><i>Practical classes</i></p> <p>Anatomy of the skull and facial bones and cervical vertebrae. Anatomy of the craniofacial cavities and its osseal connections. Joints of the skull. Anatomy of the muscles of the head and neck. Anatomy of cervical plexus, cranial nerves, autonomic nervous system, arteries, veins and lymphatics of the head and neck. Anatomy of the oral cavity and the pharynx, nasal cavity and larynx. Anatomy of the eye and ear. Introduction to the anatomy of the central nervous system. Anatomy of the spinal cord and the spinal nerves. Anatomy of the brain stem, cerebellum and the 4th cerebral ventricle, diencephalon and 3th cerebral ventricle, telencephalon and lateral cerebral ventricles. Anatomy of subcortical gray matter. Limbic system. Sex dimorphism of the human brain. Pathways of the nervous system (motor, sensitive, sensorial). Vascularization of the brain.</p> <p>The laboratory component of the course generally parallels and reinforces lecture concepts through the use of models, skeletal materials and cadaver demonstration.</p>

Literature

- Moore K.L., Agur A.M.R and Dalley A.F. Essential clinical anatomy. 4th ed. Baltimor, Philadelphia: Lippincot Williams & Wilkins, a Walters Kluwer, 2010
- Noback C, Strominger N, Demarest N, Ruggerio D. The human nervous system. 6th ed. Totowa, New Jersey: Humana Press, 2005

Anatomy atlases:

- McMinn. Color atlas of Human Anatomy. (optional)
- Netter, F. H. Atlas of Human Anatomy (optional)

Number of active teaching hours				Other classes
Lectures: 45	Practice: 45	Other forms of classes:	Independent work: 150	
Teaching methods: Lectures, practice in a clinic, clinical problems solving				
Examination methods (maximum 100 points)				
Exam prerequisites	No. of points:	Final exam	No. of points:	
Student's activity during lectures	30	oral examination	70	
practical classes/tests		written examination		
Seminars/homework				
Project				
Other				
Grading system				
Grade	No. of points	Description		
10	91-100	Excellent		
9	81-90	Exceptionally good		
8	71-80	Very good		
7	61-70	Good		
6	51-60	Passing		
5	< 51	Failing		

