

Study program : DENTISTRY
Type and level of studies: Integrated academic studies, Level 1/2
Course unit: HUMAN ANATOMY
Teacher in charge : Associate Professor Ivana Živanović-Mačužić MD, DSc, MSc
Language of instruction : ENGLISH
ECTS: 7
Prerequisites:
Semester: WINTER 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 m of upper and lower limbs, thorax, abdomen, pelvis and head and neck and to know their major functions. - Demonstrate sufficient knowledge about the structure and function of the locomotoric system - Identify and describe the organs of the cardiovascular, respiratory and urogenital systems and organs of the gastrointestinal tract - 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 human body as well as their conections and relations. - 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 upper limb. Anatomy of lower limb. Anatomy of thorax. Anatomy of abdomen. Anatomy of pelvis. Anatomy of head and neck. Anatomy of nervous system.</p> <p>Basic anatomical nomenclature. Anatomical planes and lines. Anatomy of the bones, joints, muscles, vascularization and innervation of the upper limb. Anatomy of the bones, joints, muscles, vascularization and innervation of the lower limb. Anatomy of the chest wall and the brest. Anatomy of the upper mediastinum, trachea and the lungs, lower mediastinum and the heart. Anatomy of the abdominal wall. Anatomy of the oesophageus and the stomach, abdominal aorta and celiac plexus. Anatomy of the small and large intestine, the liver, pancreas and the spleen. Anatomy of the kidneys and retroperitoneal space. Anatomy of the wall of the pelvis. The vascularization and the innervation of the pelvic cavity. Anatomy of the urinary bladder, rectum, male and the female genital organs.</p> <p>Anatomy of the skull and facial bones and cervical vertebrae. Anatomy of the craniofacial cavities and its osseal conections. 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>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

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: 60	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		

