Study program: Integrated academic studies in medicine

Type and level of the study program: integrated academic studies

Course title: ANATOMY (M1-ANT)

Teacher: Ljubica M. Stojšić Džunja, Biljana Đ. Srdić Galić, Dušica L. Marić, Mirela M. Erić, Siniša S. Babović, Bojana S. Krstonošić, Nikola M. Vučinić

Course status: compulsory

ECTS Credits: 24

Condition: -

Course aim

Acquiring knowledge about the anatomy of human body, which will be the basis for further study of histological structure and function, and application of acquired knowledge in all branches of medicine, biomedicine, pharmaceutical-therapeutic and technological fields.

Expected outcome of the course:

Students will get acquainted with the morphology and structure of particular body parts. They will learn about the systematic and topographical anatomy applicable in practical part of the course. This knowledge is the basis of all clinical disciplines, such as pathological anatomy and histopathology, forensic medicine, pathophysiology, radiology and radiotherapy (nuclear medicine) as well as all surgical branches.

Acquiring practical knowledge in anatomy: identification of mutual relations of particular anatomical structures of organ systems, including vessel-nerve structures, as well as morphological and functional features of individual systemic and topographic parts. Learning about anatomical structures using cadaveric preparations, as well as the X-ray, MRI and CT techniques as the basis for post mortem examination and surgical techniques, radiological treatment s and radiotherapy, as well as understanding biomedical and borderline disciplines.

Course description

Theoretical education

1. General anatomy: general osteology, general arthrology, general myology, general angiology, general neurology. 2. Bones, joints, muscles, blood vessels, lymphatics and nerves and regional anatomy of upper limb. 3. Bones, joints, muscles, blood vessels, lymphatics and nerves and regional anatomy of lower limb. 4. Back. 5. Thoracic walls. 6. Division of thoracic cavity. 7. Thoracic viscera (lungs and pleura, heart and pericardium, esophagus, blood vessels, lymphatic system and nerves). 8. Abdominal walls; 9. Division of abdominal cavity. 10. Abdominal viscera (organs, blood vessels, lymphatic system and nerves). 11. Pelvic walls. 12. Division of pelvic cavity. 13. Pelvic viscera (organs, blood vessels, lymphatic system and nerves). 14. Skull and facial bones, craniofacial cavities. 15. Joints, muscles, blood vessels, lymphatic system and nerves of head and neck. 16. Head and neck organs. 17. Regional anatomy of head and neck. 18. Eye and ear. 19. External morphology of central nervous system (CNS), meninges, and cavities of CNS. 20. Built of central nervous system. 21. Brain pathways. 22. Blood vessels of CNS.

Practical education: exercises, other forms of education, research related activities

1. Bones, joints, muscles, blood vessels, lymphatics and nerves and regional anatomy of upper limb. 2. Bones, joints, muscles, blood vessels, lymphatics and nerves and regional anatomy of lower limb. 3. Back. 4. Thoracic walls. 5. Division of thoracic cavity. 6. Thoracic viscera (lungs and pleura, heart and pericardium, esophagus, blood vessels, lymphatic system and nerves). 7. Abdominal walls; 8. Division of abdominal cavity. 9. Abdominal viscera (organs, blood vessels, lymphatic system and nerves). 10. Pelvic walls, division of pelvic cavity and pelvic viscera. 11. Skull and facial bones, craniofacial cavities. 12. Joints, muscles, blood vessels, lymphatic system and nerves of head and neck. 13. Head and neck organs. 14. Regional anatomy of head and neck. 15. Eye and ear. 16. External morphology of central nervous system, meninges, and cavities of central nervous system. 20. Sections of the brain. 21. Blood vessels of the central nervous system.

Literature

Compulsory

1. Drake R, Vogl W, Mitchell A. Gray's anatomy for students. 3rd ed**.** London: Elsevier; 2014.
2. Netter FH. Atlas of human anatomy. 6th ed. London: Elsevier Health Sciences; 2014.
3. Mtui E, Gruener G, Dockery P. Fitzgerald's Clinical Neuroanatomy and Neuroscience. 7th ed. London: Elsevier; 2015.

Additional

1. Outlines of lectures
2. Standring S. Grey's Anatomy-The Anatomical Basis of Clinical practice. 41st edition. London: Elsevier Churchill Livingstone; 2016.
3. Snell RS. Clinical anatomy by regions. 9th ed. Baltimore: Lippincott Williams & Wilkins; 2012.
4. Moore KL, Dalley AF (eds). Clinically oriented anatomy. 5th ed. Baltimore: Lippincot Williams; 2006.
5. Hudak R, Kachlik D, Volny O. Memorix anatomy. 1st ed. Prague: Triton; 2015.
6. Jovanović S. Anatomski atlas za studente medicine i stomatologije. Beograd: Naučna knjiga; 2010.

Number of active classes				Other:
Lectures: 135	Practice: 150	Other types of teaching:	Research related activities:	

Teaching methods: Lectures and practical classes

Student activity assessment (maximally 100 points)

Pre-exam activities	**points**	**Final exam**	**points**
Lectures	15	Written	20
Practices	30	Oral	20
Colloquium	10	.....	
Essay	5		