Study program: Integrated Academic Studies in Medicine

Course title: Anatomy

Teacher: Babović S. Siniša, Vučinić M. Nikola, Erić M. Mirela, Krstonošić S. Bojana, Marić L. Dušica, Srdić Galić Đ. Biljana, Udicki R. Mirjana

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 treatments 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, nerves and regional anatomy of the upper limb. 3. Bones, joints, muscles, blood vessels, lymphatics, nerves and regional anatomy of the 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 the head and neck. 16. Head and neck organs. 17. Regional anatomy of the head and neck. 18. Sense organs – skin, eye, ear, sense of taste and sense of smell.

Practical education

1. General anatomy: general osteology, general arthrology, general myology, general angiology, general neurology. 2. Bones, joints, muscles, blood vessels, lymphatics, nerves and regional anatomy of the upper limb. 3. Bones, joints, muscles, blood vessels, lymphatics, nerves and regional anatomy of the 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 the head and neck. 16. Head and neck organs. 17. Regional anatomy of the head and neck. 18. Sense organs – skin, eye, ear, sense of taste and sense of smell.

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.

Additional

1. Outlines of lectures
2. Standring S, editor-in-chief. Grey's Anatomy – The Anatomical Basis of Clinical practice. 41st ed. London: Elsevier

Churchill Livingstone; 2016.
3. Waschke J, Böckers TM, Paulsen F. Sobotta Anatomy Textbook. 1st ed. Munich, Germany: Elsevier GmbH; 2019.
4. Snell RS. Clinical anatomy by regions. 9th ed. Baltimore: Lippincott Williams & Wilkins; 2012.
5. Moore KL, Dalley AF (eds). Clinically oriented anatomy. 5th ed. Baltimore: Lippincot Williams; 2006.
6. Hudak R, Kachlik D, Volny O. Memorix anatomy. 1st ed. Prague: Triton; 2015.

Number of active classes	**Theoretical classes:** 120	**Practical classes:** 120

Teaching methods:
Lectures and practical classes

Student activity assessment (maximally 100 points)

Pre-exam activities	**points**	**Final exam**	**points**
Lectures		Test	20
Practices		Practical exam	50
Colloquium	30	.....	
Essay			