

Study program: Integrated Academic Studies in Dental 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: 17
Condition: -
<p>Course aim</p> <p>Acquiring knowledge about human body that will be a basis for exploring histological built and form, as well as the possibility of practical application of the acquired knowledge in anatomy for better understanding of morphological structures of head and neck as a whole.</p>
<p>Expected outcome of the course:</p> <p>Getting to know morphology and built of certain parts of the body. Acquiring knowledge from systematic and topographic anatomy, which will be of use in practical lectures primarily in branches, which are directly linked with pathological anatomy, all surgical branches, groups of conservative therapy, radiological and radiotherapeutical procedures as well as better understanding of biomedical procedures which are oriented towards the needs of pathology from the area.</p> <p>Learning about practical topics related to anatomy, recognizing and noticing relations between certain anatomic structures on bones (certain parts of the body, organs, primarily of head and neck) as well as on X-ray, MRI and CT scanning. Knowing of anatomical structures represents the basis of surgical techniques, radiological and radiotherapeutical treatments as well as understanding of biomedical and disciplines close to dental medicine.</p>
<p>Course description</p> <p><i>Theoretical education</i></p> <p>1. General anatomy: general osteology, general arthrology, general myology, general angiology, general neurology. 2. Bones, joints, muscles, blood vessels, lymphatics and nerves of upper limb; regional anatomy of upper limb. 3. Bones, joints, muscles, blood vessels, lymphatics and nerves of lower limb; regional anatomy of lower limb. 4. Back. 5. Thoracic walls. 6. Division of thoracic cavity (pleural cavities, mediastinum). 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. Sense organs – skin, eye, ear, sense of taste and sense of smell. 19. External morphology of central nervous system (CNS). 20. Built of central nervous system. 21. Brain pathways. 22. Meninges and ventricular system. 23. Blood vessels of CNS.</p> <p><i>Practical education</i></p> <p>1. Bones, joints, muscles, blood vessels, lymphatics and nerves of upper limb; regional anatomy of upper limb. 2. Bones, joints, muscles, blood vessels, lymphatics and nerves of lower limb; regional anatomy of lower limb. 3. Back. 4. Thoracic walls. 5. Division of thoracic cavity (pleural cavities, mediastinum). 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. Sense organs – skin, eye, ear, sense of taste and sense of smell. 16. External morphology of central nervous system (CNS). 17. Sections of the brain. 18. Meninges and ventricular system. 19. Blood vessels of CNS.</p>
<p>Literature</p> <p><i>Compulsory</i></p> <ol style="list-style-type: none"> 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. Norton N. Netter's Head and Neck Anatomy for Dentistry. 3rd ed. London: Elsevier; 2016. 4. Mtui E, Gruener G, Dockery P. Fitzgerald's Clinical Neuroanatomy and Neuroscience. 7th ed. London: Elsevier; 2015. <p><i>Additional</i></p> <ol style="list-style-type: none"> 1. Outlines of lectures 2. Standring S. Grey's Anatomy-The Anatomical Basis of Clinical practice. 41st edition. London: Elsevier Churchill Livingstone; 2016. 3. Waschke J, Böckers TM, Paulsen F. Sobotta Anatomy Textbook. 1st ed. Munich, Germany: Elsevier GmbH; 2019. 4. Logan BM, Reynolds PA, Rice S. McMinn's color atlas of head and neck anatomy. 5th ed. London: Elsevier Inc; 2017.

5. Rubin M, Safdieh JE. Netter's Concise Neuroanatomy. Philadelphia, PA: Elsevier; 2017.
6. Vanderah TW. Nolte's The Human Brain in Photographs and Diagrams. 5th ed. Philadelphia, PA: Elsevier; 2020.
7. Snell RS. Clinical anatomy by regions. 9th ed. Baltimore: Lippincott Williams & Wilkins; 2012.
8. Moore KL, Dalley AF (eds). Clinically oriented anatomy. 5th ed. Baltimore: Lippincott Williams; 2006.
9. Hudak R, Kachlik D, Volny O. Memorix anatomy, 1st ed. Prague: Triton; 2015.

Number of active classes	Theoretical classes: 90	Practical classes: 90
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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			