

Department of Anatomy, Histology and Embryology
Faculty of Medicine, Semmelweis University
2018/2019 II. Semester
AOKANT461_4A

Anatomy, Histology and Embryology: Topographical anatomy of the head, neck, limbs and trunk including body cavities (thorax, abdomen, pelvis), ventral and dorsal regions, cross sectional anatomy. Integrated approach including developmental and histological relevances.

Credits: 3

Lectures: 1 hours/week

Dissection class: 2 hours /week

The Competition (Moodle written **anatomy/embryology and/or histology/embryology** tests) will be held on the 12th week. Prerequisite: successful Anatomy 3 exam (CV students are not eligible to participate). Exemptions are offered only from the written and/or histology parts, the gross anatomy practical part of the final exam is obligatory for everyone.

Week	Lectures	Dissection room
Week 1 February 4-8	Topographical anatomy of the lower limb, gait mechanism.	Ventral regions of the limbs (<i>prosections</i>). Lower limb (bones, joints, muscles, vessels, nerves).
Week 2 February 11-15	Topographical anatomy of the upper limb and axillary fossa.	Ventral regions of the limbs (<i>prosections</i>). Upper limb (bones, joints, muscles, vessels, nerves).
Week 3 February 18-22	Topographical and surface anatomy of the thorax, clinical relevance. Regional lymph nodes, with special reference to the mamma.	Ventral regions of the thorax, mammary region (<i>prosections</i>). Topography and sectional anatomy. Mediastinum. Heart, valves, pericardium, lung, pleura.
Week 4 February 25- March 1	Topographical and sectional anatomy of the thorax. Topography of pleura and pericardiac punctures.	Muscles and skeletal elements of the thorax. Diaphragm (<i>prosections</i>). Abdominal surface projections. Topography of intraperitoneal organs.
Week 5 March 4-8	Topographical and surface anatomy of the abdomen. Projection of internal organs, peritoneal relations.	Abdominal wall, rectus sheath, hernia canals (<i>prosections</i>). Retroperitoneum. Urinary system. Cross sections of the abdominal cavity.
Week 6 March 11-15	Topography and sectional anatomy of the abdomen and the retroperitoneum. Arterious and venous anastomotic systems.	Topography of the lesser pelvis. Syntopy and blood supply of the rectum. Portocaval anastomoses. Ventral regions of limbs (<i>prosections</i>).
Week 7 March 18-22	Topographical and sectional anatomy of the male pelvis and perineum.	Midterm test 1. Ventral regional anatomy of the trunk and the limbs. Body cavities, internal organs (except for the head&neck and the superficial perineal structures).
Week 8 March 25-29	Topographical and sectional anatomy of the female pelvis and perineum.	Dorsal regions of limbs and the trunk (<i>prosections</i>) Nape and nuchal region, spinal cord 'in situ', gluteal region.
Week 9 April 1-5	Topographical and sectional anatomy of the head. Spaces and content of the neurocranium.	Dorsal regions of limbs and the trunk (<i>prosections</i>) Topographical and sectional anatomy of the male pelvis and perineum.

Week 10 April 8-12	Topographical anatomy of the viscerocranium. External carotid artery, trigeminal nerve.	Dorsal regions of limbs and the trunk (<i>prosections</i>) Topographical and sectional anatomy of the female pelvis and perineum.
Spring Holiday April 15-18		
Week 11 April 22-26	Topography of cervical fasciae and spaces, sectional anatomy of the neck. Clinical relevances.	Midterm test 2. Dorsal regional anatomy: Topography of the nuchal regions, trunk, limbs and perineum. Head and neck.
Week 12 April 29-May 3	Histological revision of ground tissues. Histology of vessels and lymphatic organs including cell biological relevances.	Topographical anatomy of the brain and spinal cord. Cranial nerves. Dural topography. Skull base, orbit, organs of special senses.
Week 13 May 6-10	Histology of the respiratory system and the gastrointestinal tract including cell biological relevances.	Topographical anatomy of the nasal cavity¶nasal sinuses, , oral cavity, muscles of facial expression and mastication, TMJ. Oral diaphragm, para- and retropharyngeal spaces. Muscles, fasciae, viscera and cross section of the head&neck region.
Week 14 May 13-17	Histology of the urinary and genital systems including cell biological relevances.	Prosected specimen demonstration of the final examination. Cross sections, placenta, fetus.

Examination Period:
May 20 – July 5, 2018