Department of Anatomy, Histology and Embryology
Faculty of Medicine, Semmelweis University
2017/2018 II. Semester
AOKANT461_2A

Week	Lectures	Practical sessions	
		Dissection room	**Histology lab**
Week 1 **February 5-9**	1. Lymphatic tissue and cellular elements. Thymus, tonsils, MALT. 2. Lymph node, spleen (structure and circulation) 3. Muscles, triangles and fasciae of the neck	Dissection of head and neck region	Lymphatic organs: thymus, tonsils
Week 2 **February 12-16**	4. Gastrointestinal tract. Oral cavity, morphology and histology of the tongue and salivary glands 5. Morphology, histology and development of teeth. 6. Morphology and histology of soft palate, isthmus of fauces and pharynx	Dissection of head and neck region	Lymphatic organs: lymph node, spleen
Week 3 **February 19-23**	7. Development of the branchial apparatus, congenital malformations 8. Morphology of the nasal cavity and paranasal sinuses 9. Larynx: cartilages, joints, muscles, connective tissue skeleton and mucous membrane.	Oral cavity, tongue, salivary glands, teeth, nasal cavity, larynx	Gastrointestinal tract: lip, tongue, including the filiform, foliate, fungiform and circumvallate papillae
Week 4 **February 26-March 2**	10. Development of the face, and palate, congenital malformations 11. Morphology of the trachea and the lung. Pleura 12. Histology of the respiratory tract. Development of the lungs.	Surface projections of the internal organs of the thorax, dissection of the thoracic cavity. Lungs, pleura, mediastinum	Ground section of the teeth, tooth bud. Submandibular, sublingual and parotid glands
Week 5 **March 5-9**	13. Chambers of the heart, external features. Structure of heart wall, myocardium, valves, anuli fibrosi 14. Vessels, conducting system, surface projection of the heart, pericardium. Auscultation points. Divisions of the mediastinum. 15. Structure and development of the diaphragm	Dissection of the heart	Respiratory system: larynx, trachea, lung
Week 6 **March 12-16**	16. Development of the heart (primitive heart tube, development of atria) 17. Development of the heart (development of ventricles, malformations). Fetal circulation 18. Morphology and histology of the esophagus and the stomach.	Dissection of the heart	Heart Esophagus, cardia, fundus, pylorus of the stomach
Week 7 **March 19-23**	19. Morphology and histology of the duodenum and the pancreas 20. Morphology and histology of the jejunum and ileum 21. Morphology and histology of the large intestine and rectum.	1.Revision 2. **Midterm test 1** Heart, great vessels, development of the heart. Morphology and development of the internal organs of the head, neck, thorax and diaphragm.	Duodenum, jejunum ileum, colon, vermiform appendix
Spring Holiday March 26-30			
Week 8 **Aprli 2-6**	22. Morphology of the liver and biliary system. Portal vein 23. Histology of the liver and biliary system 24. Development of the mid- and hindgut. Development of the liver and the pancreas	Dissection of abdominal internal organs Dissection of the visceral complex. Celiac trunk, liver, duodenum	Liver, gall bladder, pancreas
Week 9 **April 9-13**	25. Peritoneum. Development of the serous membranes and the omental bursa. Separation of body cavities 26. Morphology and topography of the kidneys. Capsules. Urinary passages, urinary bladder 27. Histology of the urinary system	Cadaver dissection Organs supplied by the superior mesenteric artery	Urinary system: kidney, ureter, urinary bladder
Week 10 **April 16-20**	28. Morphology and capsules of the testes. 29. Histology of the testicle. Spermatogenesis 30. Morphology and histology of the epididymis, spermatic cord, seminal vesicle and prostate	Cadaver dissection Organs supplied by the inferior mesenteric artery	**Midterm test 2**, Lymphatic organs, respiratory system, gastrointestinal tract , urinary system
Week 11 **April 23-27**	31. Development of the arteries; malformations. 32. Development of the veins. 33. Morphology and histology of penis and male urethra.	Cadaver dissection Retroperitoneum, pelvic organs Dissection of the visceral complex	Male genital system: testis, epididymis, spermatic cord
Week 12 **April 30-May 4**	34. Structure of pelvic floor, male perineum 35. Morphology and histology of the ovary and the uterine tube, oogenesis 36. Morphology and histology of the uterus, divisions and content of the broad ligament	Cadaver dissection Male genital system	Male genital system: Seminal vesicle, prostate, penis, glans penis.
Week 13 **May 7-11**	37. Morphology and histology of the vagina and the external genital organs, female perineum 38. Development and malformations of the urinary system 39. Development and malformations of the genital system. Disorders of the sexual differentiation.	Cadaver dissection Female genital system	Female genital system: ovary, corpus luteum, uterine tube
Week 14 **May 14-18**	40. Major lymphatic ducts 41. Lymphatic drainage of the head&neck, thoracic and abdominal regions 42. Clinical and radiologic anatomy of the internal organs	Revision Abdominal and pelvic organs	Female genital system: uterus (proliferation, secretion), vagina and placenta

Examination Period:
May 18 – July 6, 2018