

Week	Digital histology slides <i>Histology laboratory practices Mondays 9.50-11.20</i>
Week 1 01.31-02.04.	Simple epithelial tissues 50. Simple squamous epithelium (endothelium, elastic artery, HE) 19. Simple cuboidal epithelium (umbilical cord, HE) 3. Simple columnar epithelium (gall bladder, HE) 4. Pseudostratified epithelium (epididymis, HE) Stratified epithelial tissues 5. Stratified squamous nonkeratinized epithelium (esophagus, HE) 6. Stratified squamous keratinized epithelium (palmar skin, HE) 7. Stratified columnar epithelium (penis, HE)
Week 2 02.07-11.	8. Transitional epithelium (urinary bladder, HE) Glandular epithelium 10. Goblet cells (large intestine, HE) DEM: AOK 39 Apocrine secretion (eyelid, HE) 11. Holocrine secretion (sebaceous gland, hairy skin, HE) 12. (Pseudo)apocrine secretion (prostate, HE) 13. Merocrine secretion (submandibular gland, HE)
Week 3 02.14-18.	Connective tissue fibres 14. Collagen fibres (tendon, HE) 15. Elastic fibers (large artery, RF) 16. Reticular fibers (liver, silver impregnation) 17. Differentiating staining of connective tissue elements (hairy/scalp skin, Azan) 18. Differentiating staining of connective tissue elements (hairy/scalp skin, Hornowsky) Connective tissue cells, types of connective tissue 19. Embryonic connective tissue - mesenchyme (umbilical cord, HE) 20. Connective tissue cells (scar tissue, HE) Demonstration: 81. Cell rich connective tissue (uterus, HE) 21. Mast cells (peritoneum, toluidine blue) 46. Reticular connective tissue (spleen, HE) 22. Fat cells – adipocytes (tongue, Sudan III.) 52. Blood cells (blood smear – May-Grünwald-Giemsa)
Week 4 02.21-25.	Supporting tissues Types of ossification, bone restructuring 23. Hyalin cartilage (rib, HE) 28. Endochondral ossification (phalanx, HE) 24. Elastic cartilage (epiglottis, RF) 29. Intramembranous ossification (calvary, HE) 25. Fibrous cartilage (meniscus, HE) 26. Bone – cross section (Schmorl) 27. Bone – longitudinal section (Schmorl)
Week 5 02.28-03.04	Smooth, striated and cardiac muscle types 30. Smooth muscle – cross and longitudinal sections (Jejunum, HE) 31. Striated muscle – longitudinal section (HE) 32. Striated muscle – cross section (HE) 34. Cardiac muscle - cross section (HE) 35. Cardiac muscle - longitudinal section, Purkinje-fibers (HE) Blood vessels 50. Elastic artery (carotid artery, HE) Demonstration : 15. Elastic artery (RF) 51 Medium-sized artery and vein (HE) Demonstration: ÁOK 38. Muscular artery and vein (Movat) 34. Arterioles, capillaries, venules, (cardiac muscle, HE) Peripheral nervous system 36. Peripheral nerve – cross section (HE) Demo : 88.b Peripheral nerve (OsO4); 37. Pseudounipolar neurone (DRG, HE) 6. Peripheral nerves in palm skin (HE) 38. Multipolar neurones (autonomic ggl, AgNo3) Demo: 65. Myenteric plexus in the gut wall (duodenum HE)
Week 6 03.7-11.	MIDTERM TEST (written) basic tissues, nerve tissue, vessels Tooth development 57. Developing tooth (AZAN) Demonstration: ÁOK 55. Tooth bud (AZAN) ÁOK 54 a, b. Ground tooth (unstained)

Week 7 03.14-18.	March 15 National Holiday - NO CLASS	
Week 8 03.21-25. ----- 03. 26 instead of 03. 14.	Gastrointestinal tract 53. Lip (HE) 54. Filiform papillae (tongue, HE) 56. Circumvallate papillae (tongue, HE) <i>Demonstration: ÁOK 50. Foliate papillae (tongue, HE)</i> 58. Parotid gland (HE) 13. Submandibular gland (HE) 60. Submandibular gland (haematoxylin and mucicarmin stain) 59. Sublingual gland (HE) ----- Gastrointestinal tract 5. Esophagus (HE) 61. Esophago-gastric junction (cardia) (HE) 62. Stomach (fundus) (HE) <i>Demonstration 63. Stomach (fundus) (PAS-Congo-haematoxylin stain)</i> 64. Pylorus (gastro-duodenal junction, HE) 65. Duodenum (HE) 30. Jejunum (HE) 66. Ileum (HE) 10. Colon (HE) 67. Vermiform appendix (HE)	
Week 9 03.28-04.01.	Gastrointestinal tract 68. Liver (swine, AZAN) 69. Liver (human, HE) 16. Liver, (AgNO3 impregnation) 3. Gall bladder (HE) 70. Pancreas (HE)	
Week 10 04.04-08.	Respiratory tract 71. Larynx, (HE) 72. Trachea (HE) 73. Lung (HE) <i>Demonstration: ÁOK 61. Fetal lung (HE)</i>	
Spring holidays – Easter break 04.11-04.18.		
Week 11 04.18-22.	EASTER MONDAY - NO CLASS	
Week 12 04.25-29.	Urinary system 2. Kidney (HE) 91. Ureter (HE) 8. Urinary bladder (HE)	Male genital system 74. Testis (HE) 75. Spermatic cord (HE) <i>Demo: ÁOK 75. Spermatic cord (trichrome)</i>
Week 13 05.02-06.	Male genital system 12. Prostate gland (HE) 76. Seminal vesicle (HE) 7. Penis (HE) <i>Demonstration: 77. Glans penis (HE)</i> Female genital system 78. Ovary (HE) 79. Ovary, corpus luteum (HE) 80. Uterine tube (oviduct) (HE)	
Week 14 05.09-13.	Female genital system 81. Uterus, proliferation phase (HE) 82. Uterus, secretory phase (HE) 83. Placenta (HE) 19. Umbilical cord (HE) 84. Vagina (HE) <i>Demonstration: ÁOK 84. Vagina (trichrome)</i> 85. Mamma non-lactans (HE) 93. Mamma lactans (HE)	