

Microscopic Anatomy I. Faculty of Medicine 2020/ 2021 EM I

Week	GENERAL SCHEDULE OF SLIDES FOR THE HISTOLOGY LABORATORY CLASSES
Week 1 02. 15-19.	Introduction to Histology Simple and stratified epithelial tissues 91. Simple squamous epithelium (human aorta, HE) 3. Simple columnar and cuboidal epithelia (human gall bladder human, HE) 57. Pseudostratified simple columnar epithelium (human trachea, HE) 8. Transitional epithelium (monkey urinary bladder, HE) 5. Stratified non-keratinizing squamous epithelium, (esophagus: upper and middle portions, human, HE) 6. Stratified keratinizing squamous epithelium together with stratified cuboidal epithelium, with the latter found in the excretory duct of eccrine sweat gland (human plantar skin, HE) 7. Stratified columnar epithelium (urethra, human penis, HE) Glandular epithelium 99. Unicellular gland, goblet cell (human ileum, HE) 52. Merocrine (seromucous) secretion (human submandibular gland, HE) 148. Apocrine secretion (human axillary skin, HE) 11. Holocrine secretion (scalp skin, HE)
Week 2 02.22-26.	Connective tissue fibres and cells. Connective tissue types. 12. Umbilical cord, mesenchymal cells (human newborn, HE) 40. Reticulum cells, plasma cells, macrophages, mastocytes (rat lymph node, toluidine blue) 155. Connective tissue cells in granulation tissue (healing ulcer, human stomach, HE) 6. Dense irregular connective tissue; collagen fibres, fibrocytes, fibroblasts, adipocytes, (human plantar skin, HE) 73. Reticular fibres (human liver, silver nitrate impregnation) 21. Elastic fibres (human aorta, resorcin fuchsin) 18. Dense regular connective tissue (human tendon, HE) 84. Cell rich (spinocellular) connective tissue (human uterus, HE) 37. Blood smear (human, May-Grünwald-Giemsa/MGG)
	Supporting tissues (cartilage, bone). Types of ossification, bone restructuring 24b. Hyalin cartilage (human costal cartilage, HE) <i>Demonstration: 24a. Hyaline cartilage (human, toluidine blue)</i> 98. Elastic cartilage (human auricle, Verhoeff's stain) 35. Fibrocartilage (human meniscus, HE) 27. Long bone (cross section of a human ulna, unstained) 26. Compact bone (longitudinal section, Schmorl's picrothionin stain) 25. Compact bone (cross section, Schmorl's picrothionin stain) 2. Bone marrow (body of human vertebra, HE) 28b. Intramembranous ossification (developing skull vault, AZAN) 31. Endochondral ossification (week 17 human fetus, longitudinal section of developing foot, HE)
Week 4 03.8-12.	Smooth, skeletal and cardiac muscle types, nerve tissue, blood vessels 33. Skeletal muscle (Chicago Blue) 5. Visceral striated muscle (upper and middle portions of human esophagus, HE) 41. Cardiac muscle (human, HE) 91. Large artery of elastic type (aorta, human, HE) 34. Small blood vessels, visceral striated muscle (human tongue, HE) 38. Medium size artery and vein (Movat) 88. Peripheral nerve (human, HE) 67. Multipolar nerve cells (human celiac ggl., AgNO ₃)
Week 5 03.15-19.	Gastrointestinal tract 1 92. Lip (human, HE) 34. Tongue: <i>filiform and fungiform papillae</i> (HE) 49. Tongue: <i>circumvallate papillae</i> (HE) 54b. Ground human tooth (unstained) 55. Developing tooth (AZAN) 52a. Submandibular gland (HE) 9. Sublingual and submandibular glands (human, HE) 51. Parotid gland (HE)

Week 6 03.22-26.	Respiratory system 56. Epiglottis (HE) 17. Larynx (HE) 57. Trachea (HE) 58. Lung (HE) <i>Demonstration: 60. Lung (toluidine blue)</i>
Week 7 03.29-04.02.	Good Friday Easter Holiday Gastrointestinal tract 2 5. Esophagus: upper and middle portions (human, HE) 62. Stomach, fundus (HE) 63. Gastro-esophageal junction - cardia (HE) 64. Stomach, pylorus (gastroduodenal junction, HE)
Week 8 04.05-09.	Gastrointestinal tract 3 65c. Duodenum (HE) 156. Jejunum (HE) 99b. Ileum (human, HE) 68. Colon (HE) 69. Vermiform appendix (HE) <i>Demonstration: Duodenum (animal, HE)</i> <i>99a. Ileum – Peyer plaque (human, HE)</i>
Week 9 04.12-16.	Gastrointestinal tract 4 71a. Liver (human, HE) 3. Biliary vesicle: fundus & neck (human, HE) 70. Pancreas (HE) <i>Demonstration: 72. Liver (human, trichrome)</i>
Week 10 04.19-23.	Urinary system 74. Kidney (HE) 76. Kidney (semithin, toluidine blue) 77. Ureter (HE) 8. Urinary vesicle (monkey, HE)
Week 11 04.26-30.	Male genital system 1 78. Testicle (HE) 115a. Epididymis (HE) 90. Spermatic cord (trichrome)
Week 12 05.03-07.	Male genital system 2 81. Prostate (HE) 89 a. Seminal vesicle (HE) 7 a. Penis (human, HE) <i>Demonstration: 89 b. Seminal vesicle (HE)</i> <i>7 b. Glans penis (HE)</i>
Week 13 05.10-14.	Female genital tract 82. Ovary (rabbit, HE) 97a. and 97b. Corpus luteum (human, HE) 94. Fallopian tube (human, HE) 84. Uterus, proliferation's phase (human, HE) 95. Uterus, secretory phase (HE) 12. Umbilical cord of a newborn (human, HE) 85a. Mature (born) placenta (human, HE) 87. Vagina (human, trichrome) <i>Demonstration: 6-week-old placenta (human, HE)</i> <i>Demonstration: Vagina (human, HE)</i>
Week 14 05.17-21.	Embryology consultation