

Academic year 2016/ 2017
EM I Histological specimens

Week	Groups 1,3,5 Monday 8.00-9.30; Groups 2,4 Friday 8.00-9.30; Group 6 Monday 16.00-17.30; Groups 7-10 Friday 14.00-15.30; Groups 11-12 Tuesday 15.00-16.30; Groups 13-14 Tuesday 15.40-17.10; Groups 15-16 Friday 12.00-13.30
<i>Specimens</i>	
Week 1 Sept. 5-9.	Introduction to Histology, use of the microscope No. . Wall structure of a hollow organ (esophagus, H-E) No. . Structure of a parenchymatous (solid) organ (liver, H-E)
Week 2. Sept. 12-16.	No. 40. Simple squamous epithelium (endothelium, lymph node, semithin section, TB) No. 3. Simple cuboidal and columnar epithelia (gall bladder, HE) No. 57. Pseudostratified epithelium (trachea, HE)
Week 3. Sept. 19-23.	No. 5. Stratified squamous nonkeratinized epithelium (esophagus, HE) No. 6. Stratified squamous keratinized epithelium (plantar skin, HE) No. 7. Stratified columnar epithelium (urethra/penis, Verhoeff's stain) No. 8. Transitional epithelium (urinary bladder, HE)
Week 4. Sept. 26-30.	No. 99. Goblet cells (ileum, HE) No. 52. Merocrine secretion (submandibular gland, HE) No. 39. Apocrine secretion (eyelid, HE) No. 11. Holocrine secretion (sebaceous gland, hairy skin, HE)
Week 5. Oct. 3-7.	No. 12. Embryonic connective tissue, mesenchyme (umbilical cord, HE) No. 40. Reticulum cells, mast cells (lymph node, semithin section, TB) No. 6. Fibrocytes, fibroblast, unilocular adipose cells (dermis, plantar skin, HE) No. 57. Multilocular adipose cells (trachea, HE)
Week 6. Oct. 10-14.	No. 73. Reticulin fibers (liver, silver impregnation) No. 21. Elastic fibres (aorta, orcein) No. 6. Collagen fibers (plantar skin, HE) No. 87. or No. 92. Differentiating CT stain (Vagina or Lip Trichrom) Connective tissue types: No. 99. Loose connective tissue (lamina propria, ileum, HE) No. 18. Dense regular connective tissue (tendon, HE) No. 84. Cell rich connective tissue (endometrium/uterus, HE)
Oct.15. Saturday is a „Monday„	Groups 1,3,5,6 - Slides No 57, 24, 35, 98, 27, 25, 26 (week 7 slides)
Week 7. Oct. 17-21.	Groups 1,3,5,6 - Slides No 28 and 31 (week 8 slides) ----- Groups 11, 12, 13, 14 No. 57. Hyalin cartilage (trachea, HE) No. 24. Hyalin cartilage (costal cartilage, TB) No. 35. Fibrocartilage (meniscus, HE) No. 98. Elastic cartilage (auricle, Verhoeff's stain) No. 27. Double polished bone slice (unstained) No. 25. Bone – cross section (Schmorl) No. 26. Bone – longitudinal section (Schmorl) ----- No Friday class for Groups 2,4,7,8,9,10,15,16
Week 8. Oct. 24-28.	Groups 1,3,5,6,11,12, 13,14 - REVISION (and slides 28,31 for groups 11,12,13,14) ----- Groups 2,4,7,8,9,10, 15,16 - Slides 57, 24, 35, 98, 27, 25, 26 and No. 28. Intramembranous ossification (calvary, HE) No. 31. Endochondral ossification (phalanx, HE)
Week 9. Oct. 31-Nov. 4. <i>Oct.31 and Nov.1 are national holidays</i>	Groups 1,3,5,6,11,12,13,14 - NO CLASS on Monday and Tuesday ----- <i>For all other Friday groups - Revision</i>
Week 10. Nov. 7-11.	MIDTERM TEST (epithelial, connective and supportive tissues AND general embryology)
Week 11. Nov. 14-18.	No. 99. Smooth muscle – cross and longitudinal sections (ileum, HE) No. 33. Skeletal striated muscle (iron hematoxylin) No. 34. Visceral striated muscle (tongue, HE) No. 34. Cardiac muscle (HE)
Week 12. Nov. 21-25.	No. 37. Blood (May-Grünwald-Giemsa) No. 2. Bone marrow, megakaryocyte (vertebral bodies, HE)
Week 13. Nov. 28-Dec.2.	No. 101. Multipolar neurones (motoneurones, Spinal cord, Luxol fast blue) No. 22. Multipolar neurons (pyramidal cells, cerebral cortex, Nissl) No. 96. Multipolar cells (Purkinje cells, cerebellar cortex, ICC) No. 67. Multipolar cells (autonomous ganglion, silver impregnation) No. 100. Fibrous astrocyte (cerebral cortex, ICC) No. 88. Schwann cells (peripheral nerve, HE)
Week 14. Dec. 5-9.	No. 86. Early placenta (syntitiotrophoblasts, cytotrophoblasts, nucleated RBCs, HE) No. 85. Mature placenta (syntitiotrophoblasts, HE) No. 19. Mature umbilical cord (following parturition HE)