

Histology specimens
Faculty of Dentistry, First year, First semester 2016/2017.

Week	ED I 1-2 Fridays 12.00-13.30 Specimens	ED I 3-4 Tuesdays 15.10-16.40
Week 1 Sept. 5-9.	Use of the microscope No. 5. Wall structure of a hollow organ (esophagus, H-E) No. 69. Structure of a parenchymal (compact) organ (liver, H-E)	
Week 2. Sept. 12-16.	No. 50. Simple squamous epithelium (endothel, elastic artery, H-E) No. 19. Simple cuboidal epithelium (umbilical cord, H-E) No. 3. Simple columnar epithelium (g. H-E) No. 4. Pseudostratified epithelium (epididymis, H-E) For demonstration: No. 1. Mesothel (peritoneum, silver impregnation) No. 2. Simple cuboidal epithelium (kidney, HE) No. 72. Pseudostratified epithelium (trachea, H-E)	
Week 3. Sept. 19-23.	No. 5. Stratified squamous nonkeratinized epithelium (esophagus, H-E) No. 6. Stratified squamous keratinized epithelium (palmar skin, H-E) No. 7. Stratified columnar epithelium (penis, H-E) No. 8. Transitional epithelium (urinary bladder, H-E)	
Week 4. Sept. 26-30.	No. 10. Goblet cells (large intestine, H-E) No. 11. Holocrine secretion (sebaceous gland, hairy skin, H-E) No. 12. Apocrine secretion (prostate, H-E) No. 13. Merocrine secretion (submandibular gland, H-E)	
Week 5. Oct. 3-7.	No. 14. Collagen fibers (tendon, H-E) No. 15. Elastic fibers (large artery, RF) No. 16. Reticular fibers (liver, silver impregnation) No. 17. Differentiation between epithelial and connective tissues (hairy skin, Azan) No. 18. Collagen and elastic fibres (hairy skin, Hornowsky)	
Week 6. Oct. 10-14.	No. 19. Embryonic connective tissue - mesenchyme (umbilical cord, H-E) No. 20. Connective tissue cells (scar tissue, H-E) No. 21. Mast cells (peritoneum, toluidine blue) No. 22. Fat cells – adipocytes (tongue, Sudan III.) For demonstration: No. 81. Cell rich connective tissue (uterus, H-E) No. 46. Reticular connective tissue (spleen, H-E) Reticular connective tissue (lymph follicle, silver impregnation) No. 6. Fat cells (palmar skin, H-E) No. 52. Blood cells (blood smear – May-Grünwald-Giemsa) For demonstration: Bone marrow cells (bone marrow smear, May-Grünwald-Giemsa)	
Week 7 Oct. 17-21. ONLY FOR GROUPS 3-4 NO CLASS FOR GROUPS 1-2	No. 23. Hyalin cartilage (rib, H-E) No. 24. Elastic cartilage (epiglottis, RF) No. 25. Fibrous cartilage (meniscus, H-E)	
Week 8. Oct. 24-28.	GROUPS 3-4 No. 26. Bone – cross section (Schmorl) No. 27. Bone – longitudinal section (Schmorl) GROUPS 1-2 No. 23. Hyalin cartilage (rib, H-E) No. 24. Elastic cartilage (epiglottis, RF) No. 25. Fibrous cartilage (meniscus, H-E) No. 26. Bone – cross section (Schmorl) No. 27. Bone – longitudinal section (Schmorl)	
Week 9. Oct. 31-Nov. 4. <i>Oct.31 and Nov.1 are national holidays</i>	NO CLASS for groups 3-4 Groups 1-2 No. 28. Endochondral ossification (phalanx, H-E) No. 29. Intramembranous ossification (calvary, H-E) Revision	
Week 10. Nov. 7-11.	MIDTERM TEST (epithelial-, connective- and supportive tissues)	
Week 11. Nov. 14-18.	No. 30. Smooth muscle – cross and longitudinal sections (Jejunum, H-E) No. 31. Skeletal muscle – longitudinal section (H-E) No. 32. Skeletal muscle – cross section (H-E) No. 34. Cardiac muscle - cross section (H-E) No. 35. Cardiac muscle - longitudinal section, Purkinje-fibers (H-E)	
Week 12. Nov. 21-25.	No. 37. Pseudounipolar neurons (spinal ganglion, H-E) No. 38. Multipolar neurons (autonomic ganglion, silver impregnation) No. 36. Peripheral nerve - cross section (H-E) For demonstration: Nerve - cross section (osmium tetroxide impregnation) No. 43. Motor end plate (acetylcholinesterase histochemical reaction)	
Week 13. Nov. 28-Dec.2.	No. 19. Umbilical cord (H-E) No. 83. Placenta (H-E)	
Week 14. Dec. 5-9.	Revision	