

Academic Year 2020/2021 Faculty of Medicine, EM I
Microscopic Anatomy I.

Week	Lectures <i>(to be uploaded in Moodle)</i>	Histology Laboratory <i>EM 1-6 Friday 8.00-10-15</i> <i>EM 7-12 Thursday 15.30-17.55</i> <i>EM 13-14-16-17 Friday 13.00-15.15</i> <i>EM 15 + 18 Monday 16.30-18.45</i> <i>EM 19-20 Monday 12.00-14.15</i>
Week 1 02. 15-19.	1. Epithelial tissues, cell contacts, intercellular connections (Kiss) 2. Glandular epithelium (Puskár)	Introduction to Histology; general terms. Case viewer program Simple and stratified epithelia Glandular epithelium
Week 2 02.22-26.	3. Connective tissue cells and fibres. Extracellular matrix (Vereczki) 4. Blood. Corpuscular elements. Red bone marrow, erythropoiesis, Formation of leukocytes (Dóra)	Connective tissue fibres and cell types Blood smear, bone marrow
Week 3 03.1-5.	5. Supporting tissues (cartilage, bone) (Puskár) 6. Ossification, bone remodelling (Kocsis)	Supporting tissues Types of bone formation
Week 4 03.8-12.	7. Muscle tissues (Barna) 8. Histology of vessels (Nagy)	Types of muscle tissues Histology of vessels
Week 5 03.15-19	9. Histology of the tongue and teeth (Székely) 10. Histology of the airways (Hanics)	MIDTERM 1: Basic tissues (to be held on a separate day for EM 15, 18-20) ----- Gastrointestinal tract I. (lip, tongue, lingual papillae, tooth bud, salivary glands) No histology class for groups 15, 18-20 March 15. National Holiday
Week 6 03.22-26.	11. Gametes, fertilization, cleavage, blastulation (Székely) 12. Implantation. Placenta, placental circulation, fetal membranes (Minkó)	Gr 7-12 and 15, 18-20 Respiratory system (larynx, trachea, lung) Gr 1-6 and 13-17 Respiratory system (larynx, trachea, lung) + Histology of the gastrointestinal tract II. (esophagus, stomach)
Week 7 03.29-04.02.	13. Histology of the esophagus and stomach (Katz) 14. Microscopical anatomy of the small and large intestines (Alpár)	Gr 15, 18-20 Histology of the gastrointestinal tract II. (esophagus, stomach, duodenum, jejunum ileum, colon, liver, gall bladder, pancreas) Gr 7-12 Histology of the gastrointestinal tract II. (esophagus, stomach, duodenum, jejunum ileum, colon) No histology class for Grs 1-6, 13-17 Good Friday Easter Holiday
Week 8 04.05-09.	15. Molecular basis for gastrulation. Formation, differentiation and derivatives of the germinal layers (Nagy) 16. Neurulation, folding of the embryo. Body axes, left-right lateralization, asymmetry (Szél)	Gr 1-6 and 13-17 Histology of the gastrointestinal tract II-III. (duodenum, jejunum ileum, colon, liver, gall bladder, pancreas) Gr 7-12 Histology of the gastrointestinal tract III. (liver, gall bladder, pancreas) No histology class for groups 15, 18-20 Easter Monday Ester Holiday
Week 9 04.12-16.	17. Histology of the liver and pancreas (Hanics) 18. Pharyngeal arches, development of the foregut. Development of the midgut and hindgut (Nagy)	Histology of the urinary system (kidney, urinary bladder, urethra)
Week 10 04.19-23.	19. Development of the face, malformations (Nagy) 20. Microscopical anatomy of urinary organs (Alpár)	Histology of the male genital system I. (testicle, epididymis, spermatic cord)
Week 11 04.26-30.	21. Histology of the male genital system (Tóth) 22. Histology of the female genital system (Katz)	Histology of the male genital system II. (seminal vesicle, prostate, penis, glans penis)
Week 12 05.03-07.	23. Development of the urinary system (Ádám) 24. Development of the genital system (Adorján)	Histology of the female genital system I. (ovary, Fallopian tube, corpus luteum)
Week 13 05.10-14.	25. Development of the peritoneum (peritoneal relations) (Szél) 26. Development of the heart (Kozsurek)	MIDTERM 2: Organ histology (except for the female genital system). General embryology Histology of the female genital system II. (uterus, placenta, vagina)
Week 14 05.17-21.	27. Development of arteries and veins (Dóra) 28. Development of the respiratory system. Fetal circulation (Kocsis)	Embryology consultation