

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

Week	Lectures	Histology Laboratory
	<i>EM 1-10 Friday 12.40-14.20 (Lenhossék lecture hall) EM 11-20 Friday 8.00-9.40 (Huzella lecture hall)</i>	<i>EM 1-6 Friday 8.00-10-15 EM 7-12 Thursday 15.30-17.55 EM 13-14-16-17 Friday 13.00-15.15 EM 15 + 18 Monday 16.30-18.45 EM 19-20 Monday 12.00-14.15</i>
<b>Week 1</b> 02. 15-19.	1. Epithelial tissues, cell contacts, intercellular connections 2. Glandular epithelium	Introduction to Histology; general terms. Case viewer program Simple and stratified epithelia Glandular epithelium
<b>Week 2</b> 02.22-26.	3. Connective tissue cells and fibres. Extracellular matrix 4. Blood. Corpuscular elements. Red bone marrow, erythropoiesis, Formation of leukocytes	Connective tissue fibres and cell types Blood smear, bone marrow
<b>Week 3</b> 03.1-5.	5. Supporting tissues (cartilage, bone) 6. Ossification, bone remodelling	Supporting tissues Types of bone formation
<b>Week 4</b> 03.8-12.	7. Muscle tissues 8. Histology of vessels	Types of muscle tissues Histology of vessels
<b>Week 5</b> 03.15-19	9. Histology of the tongue and teeth 10. Histology of the airways	<b>MIDTERM 1: Basic tissues (to be held on a separate day for EM 15, 18-20)</b> ----- Gastrointestinal tract I. (lip, tongue, lingual papillae, tooth bud, salivary glands) <b>No histology class for groups 15, 18-20 March 15. National Holiday</b>
<b>Week 6</b> 03.22-26.	11. Gametes, fertilization, cleavage, blastulation 12. Implantation. Placenta, placental circulation, fetal membranes	<b>Gr 7-12 and 15, 18-20</b> Respiratory system (larynx, trachea, lung) <b>Gr 1-6 and 13-17</b> Respiratory system (larynx, trachea, lung) + Histology of the gastrointestinal tract II. (esophagus, stomach)
<b>Week 7</b> 03.29-04.02.	13. Histology of the esophagus and stomach 14. Microscopical anatomy of the small and large intestines	<b>Gr 15, 18-20</b> Histology of the gastrointestinal tract II. (esophagus, stomach, duodenum, jejunum ileum, colon, liver, gall bladder, pancreas) <b>Gr 7-12</b> Histology of the gastrointestinal tract II. (esophagus, stomach, duodenum, jejunum ileum, colon) <b>No histology class for Grs 1-6, 13-17</b> <b>Good Friday Easter Holiday</b>
<b>Week 8</b> 04.05-09.	15. Molecular basis for gastrulation. Formation differentiation and derivatives of the germinal layers 16. Neurulation, folding of the embryo. Body axes, left-right lateralization, asymmetry	<b>Gr 1-6 and 13-17</b> Histology of the gastrointestinal tract II-III. (duodenum, jejunum ileum, colon, liver, gall bladder, pancreas) <b>Gr 7-12</b> Histology of the gastrointestinal tract III. (liver, gall bladder, pancreas) <b>No histology class for groups 15, 18-20 Easter Monday Ester Holiday</b>
<b>Week 9</b> 04.12-16.	17. Histology of the liver and pancreas 18. Pharyngeal arches, development of the foregut. Development of the midgut and hindgut	Histology of the urinary system (kidney, urinary bladder, urethra)
<b>Week 10</b> 04.19-23.	19. Development of the face, malformations 20. Microscopical anatomy of urinary organs	Histology of the male genital system I. (testicle, epididymis, spermatic cord)
<b>Week 11</b> 04.26-30.	21. Histology of the male genital system 22. Histology of the female genital system	Histology of the male genital system II. (seminal vesicle, prostate, penis, glans penis)
<b>Week 12</b> 05.03-07.	23. Development of the urinary system 24. Development of the genital system	Histology of the female genital system I. (ovary, Fallopian tube, corpus luteum)
<b>Week 13</b> 05.10-14.	25. Development of the peritoneum (peritoneal relations) 26. Development of the heart	<b>MIDTERM 2: Organ histology (except for the female genital system). General embryology, organ development (except for the urogenital and cardiovascular systems)</b> Histology of the female genital system II. (uterus, placenta, vagina)
<b>Week 14</b> 05.17-21.	27. Development of arteries and veins 28. Development of the respiratory system. Fetal circulation	Embryology consultation