

## Academic Year 2020/2021 Faculty of Dentistry, ED I

### Microscopic Anatomy I.

Week	Lectures <i>Monday 12.00-13.40 (Huzella lecture hall)</i>	Histology Laboratory <i>Monday 14.30-16.00</i>
<b>Week 1</b> 02. 15-19.	1. Epithelial tissues, cell contacts, intercellular connections 2. Glandular epithelium	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
<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, nervous tissues 8. Histology of vessels	Types of muscle tissues Histology of vessels Histology of the peripheral nervous system
<b>Week 5</b> 03.15-19	<b>9. Histology of the tongue and airways</b> <b>10. Histology of the esophagus and stomach</b>	<b>March 15. National Holiday</b> <b>No histology class</b>
<b>Week 6</b> 03.22-26.	11. Gametes, fertilization, cleavage, blastulation 12. Implantation. Molecular basis for gastrulation. Formation differentiation and derivatives of the germinal layers	Histology of the gastrointestinal tract I Respiratory system
<b>Week 7</b> 03.29-04.02.	13. Microscopical anatomy of the small and large intestines 14. Histology of the liver and pancreas	Histology of the gastrointestinal tract II
<b>Week 8</b> 04.05-09.	<b>15. Neurulation, folding of the embryo. Body axes, left-right lateralization, asymmetry</b> <b>16. Placenta, placental circulation, fetal membranes</b>	<b>Easter Monday</b> <b>No histology class</b>
<b>Week 9</b> 04.12-16.	17. Microscopical anatomy of urinary organs. Development of the urinary system 18. Histology of the male genital system	Histology of the gastrointestinal tract III
<b>Week 10</b> 04.19-23.	19. Histology of the female genital system 20. Development of the genital system	Histology of the urinary system Placenta
<b>Week 11</b> 04.26-30.	21. Development of the heart. Fetal circulation 22. Development of arteries and veins	<b>MIDTERM: Histology and Embryology</b> ---- Histology of the male genital system I.
<b>Week 12</b> 05.03-07.	23. Histology of the airways. Pharyngeal arches, development of the foregut, midgut and hindgut 24. Histology of teeth I.	Histology of the male genital system II.
<b>Week 13</b> 05.10-14.	25. Histology of teeth II. 26. Tooth development, malformations	Histology of the female genital system
<b>Week 14</b> 05.17-21.	27. Development of the face, malformations 28. Parodontal tissues.	Maxillofacial histology (structures of the oral cavity)