

**Discussed and confirmed
on the methodical council
of the department
August 27, 2021.**

**Thematic plan of practical lessons
on discipline “Histology, Cytology and Embryology”
for 2nd year students, Faculty of Dentistry,
Autumn semester, academic year 2021/2022.**

№	Topic of Practical Lesson	1d.gr.
1.	Introduction into Histology, Embryology and Cytology. Modern methods of morphological investigation. Microscope. Microscopical techniques.	8.09
2.	General Structure of the Cell. Biological membranes. Cell membrane. Cytoplasm. Organelles and Inclusions.	15.09
3.	Cell Nucleus. Cell division and cell differentiation. Cell aging and death. Signal systems in the cell.	22.09
4.	Periodization of early human embryogenesis. Fertilization, Cleavage.	29.09
5.	Gastrulation. Histo- and organogenesis. Critical periods of embryogenesis. Implantation, formation of placenta, extraembryonic organs.	6.10
6.	Summary lesson 1. Cytology and Embryology.	13.10
7	General histology. Sources of development and general principles of tissues organization. Epithelial tissues. Glandular Epithelium.	20.10.
8	Tissues of internal environment. Morphology of Blood and Lymph. Hematopoiesis.	27.10
9.	Tissues of internal environment. Connective tissue proper. Connective tissues with special properties.	13.11
10.	Skeletal connective tissues – cartilage and bone.	3.11
11.	Summary lesson 2. Epithelium and tissues of internal environment. Connective tissues.	10.11
12	Special tissues. Muscular tissue.	17.11
13	Special tissues. Nervous tissue.	24.11
14	Summary lesson 3. Special tissues.	1.12
15	Special histology. Cardio-vascular system.	8.12
16	Endocrine system.	15.12
17	Immune organs.	22.12
18	Summary lesson 4. Final lesson.	29.12

Duration of practical lessons – 3 hours. In total – 54 hours.

**Chief of the Department
of Histology and Embryology
Assoc. Prof.
Deputy for Academic work,
Assoc. Prof.**

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