

**Personal thematic plan of practical lessons  
on discipline “Histology, Cytology and Embryology”  
for Mr.Daniel Jacob Yablonsky, 1<sup>st</sup> year student,  
Faculty of Dentistry, Autumn semester, Academic year 2023/2024.**

| №   | Topic of Practical Lesson  | Date | Mark |
|-----|--|------|------|
| 1.  | Introduction into Histology, Embryology and Cytology. Modern methods of morphological investigation. Microscope. Microscopic techniques.   |      |      |
| 2.  | General Structure of the Cell. Biological membranes. Cell membrane. Cytoplasm. Organelles and Inclusions.  |      |      |
| 3.  | Cell Nucleus. Cell division and cell differentiation. Cell aging and death. Signal systems in the cell.  |      |      |
| 4.  | Early human embryogenesis. Fertilization, Cleavage. Gastrulation. Histo- and organogenesis. Critical periods of embryogenesis. Implantation, formation of placenta, extraembryonic organs. |      |      |
| 5.  | <b><u>Summary lesson 1. Cytology and Embryology.</u></b>   |      |      |
| 6.  | General histology. Sources of development and general principles of tissues organization. Epithelial tissues. Glandular Epithelium.  |      |      |
| 7   | Tissues of internal environment. Morphology of Blood and Lymph. Hematopoiesis.   |      |      |
| 8   | Tissues of internal environment. Connective tissue proper. Connective tissues with special properties.   |      |      |
| 9.  | Skeletal connective tissues – cartilage and bone.  |      |      |
| 10. | Special tissues. Muscular tissue.  |      |      |
| 11. | Special tissues. Nervous tissue.   |      |      |
| 12  | <b><u>Summary lesson 2. General histology,tissues.</u></b>   |      |      |
| 13  | Nervous system. Central nervous system. Peripheral nervous system.   |      |      |
| 14  | The Eye.   |      |      |
| 15  | The Ear.   |      |      |
| 16  | <b><u>Summary lesson № 4. Nervous and sensory systems.</u></b>   |      |      |

Duration of practical lessons – 3 hours. In total – 48 hours.

**Chief of the Department  
of Histology Cytology and Embryology  
Assoc/Professor**

**Iлона Chelpanova, M.D, PhD**

**Deputy for Academic work,  
Assoc. Prof.**

**Olga Yuzych, PhD, D.S.**