

**Discussed and confirmed
On the methodical council
of the department
January 11, 2024.**

**HISTOLOGY INDEPENDENT WORK
on discipline “Histology, Cytology and Embryology”
for students of Faculty of Dentistry, 1st year,
Spring semester. Academic year 2023-2024.**

1.	Development of the sense organs. Histophysiology of accommodation, dioptric and photosensory apparatuses of the eyeball. Cytological structures of statokinetic and acoustic systems.	4
2.	Cytological features of receptor structures of the skin, their role in the peripheral nervous system.	4
3.	Development of the oral cavity and organs of digestive system. Embryonic sources and mechanisms of formation of the dental-maxillary apparatus.	6
4.	Structural bases of digestion. Neurohumoral regulation of digestion.	6
5.	Gut-associated lymphoid tissue.	4
6.	Development of digestive glands. Regulation of secretory activity and regeneration of digestive glands.	6
7.	Endocrine apparatus of digestive glands. Morphological peculiarities of different types of islet cells of pancreas.	4
8.	Preparation for Summary lesson 2. Digestive system.	6
9.	Development of respiratory system. Neurohumoral regulation of mucociliary apparatus and bronchial tone.	4
10.	Development of urinary system. Structural bases of urine concentration.	4
11.	Development of organs of male reproductive system. Structural and molecular criteria of the diagnostics of male infertility.	4
12.	Development of organs of female reproductive system. Regulation of ovarian-menstrual cycle. Cervix of uterus.	4
13.	Endometrial receptivity and mechanisms of implantation. Mechanisms of placental development. Regularities of organogenesis.	3

In total 59 hours.

**Chief of the Department of Histology
and Embryology,
Assoc. Prof.**

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Olga Yuzych, PhD