Discussed and confirmed on the methodical council of the department August 31, 2023

HISTOLOGY INDEPENDENT WORK

for students of Faculty of General Medicine, 2nd year, Autumn semester. Academic year 2023-2024.

$N_{\underline{0}}$	Торіс	Amount of hours
1.	Embryonic development of nervous system. Derivatives of	3
	neural tube.	
2.	Concepts of basic structural components of blood-brain barrier.	3
3.	Histophysiology of the eye. Thin ultrastructure of rods and	3
	cones.	
4.	Histophysiology of the ear.	3
5.	Histophysiology of the microcircultory bed.	3
6.	Embryonic hematopoiesis.	3
7.	Structural peculiarities and functional meaning of spleen.	3
8.	Age-related and accidental involution of thymus	3
9.	Hypothalamic-pituitary relationships in the regulation of	4
	endocrine functions.	
10.	Cytophysiological aspects of synthesis and secretion of	4
	catecholamines and steroid hormones.	
11.	Embryonic development of digestive system.	3
12.	Relationship of structural and functional peculiarities of oral	3
	cavity.	
13.	Perimembranous and luminal digestion. Peculiarities of	3
	absorption of different types of nutrients.	
14.	Cytophysiological aspects of synergic and antagonistic	3
	functions of islet cells of different types.	
15.	Relationship of morphology and functional features of the liver.	3
16.	Air-blood barrier. Surfactant and its functions.	4
17.	Endocrine function of kidneys. Morphological aspects of renin-	4
	angiotensin system functioning.	
18.	Spermatogenesis-hormonal regulation.	4
19.	Relationship of ovarian and menstrual cycles.	4
	Morphofunctional aspects Morphofunctional aspects of the use	
	of hormonal contraceptives.	
20.	Basics of histocompatibility as the key aspect of in vitro	4
	fertilization method.	

In total 67 hours.

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

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