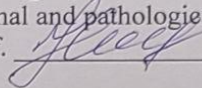


"I approve"
 Acting head of the department of
 normal and pathological clinical anatomy
 Assoc. prof.  Neskromna N.V.
 January 31, 2023

**Calendar and thematic plan of lectures on Pathomorphology for students of higher education of the 2nd year
 (IV semester) of the Faculty of Dentistry for the 2022-2023 academic year**

No	TOPIC	Number of hours	Group	Date
1.	Introduction to pathomorphology . The subject and tasks of pathomorphology . The main stages of the development of pathological anatomy. Pathological diagnostic methods. Cellular dystrophies: branchial- droplet, hydropic , corneal, fatty. Pathomorphology of accumulation of complex proteins (hyalinosis) and lipids. Pathomorphology of accumulation of products of disturbed metabolism. Disorders of iron metabolism and metabolism of hemoglobinogenic pigments. Pathomorphological manifestations of disturbance of melanin production, exchange of nucleoproteins and copper. Calcification (calcification) of tissues. Formation of stones.	2.0	4,5	01.02.23
2.	Necrosis - definition, terms and phases of development, consequences. Clinical and morphological forms of necrosis. Pathological anatomy of multiple organ failure. The basics of thanatology. Death, mechanisms, signs. Biological, medical, social aspects due to a chronic incurable disease. The concept of thanatogenesis . Structural mechanisms of cessation of activity of vital organs during the natural course of the disease. The immediate consequences of stopping the work of the heart, lungs, brain, kidneys, liver.	2.0	4,5	02.02.23
3.	Acute systemic circulatory disorders (acute coronary insufficiency, shock) and systemic circulatory disorders in chronic heart failure and their consequences. Regional blood circulation disorders (hyperemia, ischemia, plasmorrhagia , bleeding and hemorrhage). Violation of lymph formation and circulation. Thrombosis. Embolism.	2.0	4,5	06.02.23
4.	Inflammation: causes, morphogenesis. Pathomorphology of exudative inflammation.	2.0	4,5	20.02.23

	Proliferative (productive) inflammation: with the formation of acute condylomas, around animal parasites, interstitial productive inflammation, granulomatous inflammation. Specific proliferative inflammation.			
5.	Molecular and pathomorphological bases of the immune response. The immune system in the prenatal and postnatal period. Pathology of immune processes: amyloidosis, hypersensitivity reactions, transplant rejection reaction. Immune deficiency. Autoimmune diseases.	2.0	4,5	06.03.23
6.	Regeneration. Structural basis of physiological adaptation of organs and cells. Morphology of cell accommodation processes. Compensatory and adaptive processes.	2.0	4,5	20.03.23
7.	Oncogenesis . Anatomical and microscopic features and types of growth of benign and malignant tumors. Morphological characteristics of the main stages of development of malignant tumors. Benign and malignant non-epithelial (mesenchymal) tumors. Sarcoma: features of development and metastasis. Tumors of fibroblastic , myofibroblastic and fibrohistiocytic origin. Tumors from adipose and muscle tissue, tumors from blood vessels. Clinical and morphological nomenclature of tumors. Epithelial tumors: benign epithelial tumors, cancer (features of development and metastasis, main histological forms) . Melanocytic tumors.	2.0	4,5	03.04.23
8.	Tumors of hematopoietic and lymphoproliferative tissue.	2.0	4,5	17.04.23

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