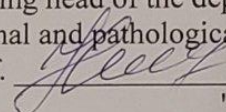


"I approve"
 Acting head of the department of
 normal and pathological clinical anatomy
 Assoc. prof.  Neskromna N.V.
 "31" January, 2023

**Calendar and thematic plan of practical classes in 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	Topic 1. Practical lesson 1. Introduction to pathomorphology . The subject and tasks of pathomorphology . Pathological diagnostic methods. The main stages of the development of pathomorphology . Morphological changes of cells as a response to stressful and toxic damage (parenchymatous/cellular dystrophies) Cellular dystrophies: hyaline - droplet , hydropic , fatty.	2.0	4,5	10.02.23 09.02.23
2	Topic 2. Practical lesson 2. Morphological changes of the extracellular matrix (stroma) as a response to damage (stromal -vascular dystrophies). Pathomorphology of accumulation of complex proteins (hyalinosis), fats and carbohydrates. Exhaustion of the body.	2.0	4,5	17.02.23 16.02.23
3	Topic 3. Practical lesson 3. Pathomorphology of accumulation of products of disturbed metabolism. Disorders of iron metabolism and metabolism of hemoglobinogenic pigments, pathomorphological manifestations of melanin formation disorders, nucleoprotein and copper metabolism. Calcification (calcification) of tissues. Formation of stones.	2.0	4,5	24.02.23 23.02.23
4	Topic 4 Practical lesson 4. Necrosis - definition, terms and phases of development, consequences. Clinical and morphological forms of necrosis. Pathological anatomy of multiple organ	2.0	4,5	03.03.23 02.03.23

	failure. Fundamentals 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. Complications of stopping the work of the heart, lungs , brain, kidneys, liver.			
5	Topic 5. Practical lesson 5. Final lesson. (Subsection Disorders of blood and lymph circulation. Inflammation). Practical experience.	2.0	4,5	1003.23 09.03.23
6	Topic 6. Practical lesson 6. 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.	2.0	4,5	17.03.23 16.03.23
7	Topic 7. Practical lesson 7. Violations of hemostasis: hemorrhagic syndrome, thrombosis, DVZ-syndrome. Embolism. Thromboembolism of the pulmonary artery, thanatogenesis .	2.0	4,5	24.03.23 23.03.23
8	Topic 8. Practical lesson 8. Inflammation: causes, morphogenesis. Pathomorphology of exudative inflammation	2.0	4,5	31.03.23 30.03.23
9	Topic 9. Practical lesson 9. Proliferative (productive) inflammation: with the formation of acute condylomas, around parasitic animals, intermediate productive inflammation, granulomatous inflammation. Specific proliferative inflammation.	2.0	4,5	07.04.23 06.04.23
10	Topic 10. Practical lesson 10. Final lesson. (Subsection Disorders of blood and lymph circulation. Inflammation). Practical experience.	2.0	4,5	14.04.23 13.04.23
11	Topic 11. Practical lesson 11. 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	21.04.23 20.04.23
12	Topic 12. Practical lesson 12. Regeneration. Structural basis of physiological adaptation of organs and cells.	2.0	4,5	28.04.23 27.04.23

	Morphology of cell accommodation processes. Compensatory and adaptive processes.			
13	Topic 13. Practical lesson 13. 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. Clinical and morphological nomenclature of tumors. Epithelial tumors : benign organ-nonspecific epithelial tumors, cancer (features of development, metastasis, histological forms).	2.0	4,5	05.05.23 04.05.23
14	Topic 14. Practical lesson 14. 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.	2.0	4,5	12.05.23 11.05.23
15	Topic 15. Practical lesson 15. Nomenclature and morphological features of tumors originating from melanin - producing tissue. Nomenclature and morphological features of tumors of the nervous system.	2.0	4,5	19.05.23 18.05.23
16	Topic 16. Practical lesson 16. Anemia. Thrombocytopathies .	2.0	4,5	26.05.23 25.05.23
17	Topic 17. Practical lesson 17. Tumors of hematopoietic and lymphoproliferative tissue	2.0	4,5	02.06.23 01.06.23
18	Topic 18. Practical lesson 18. Final lesson. (Subsections Immunopathological processes. Regeneration, processes of adaptation and compensation. Tumors). Practical experience.	2.0	4,5	09.06.23 08.06.23
19	Topic 19. Practical lesson 19. Atherosclerosis and arteriosclerosis. Coronary heart disease.	2.0	4,5	16.06.23 15.06.23

The head teacher of the discipline Assoc. Lytvynenko M.V.