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| Syllabus of discipline« Histological technique and diagnosis » |
| **Lecturer**: Valery ChernoProfessor, Doctor of Medicine, Head of the Department of Anatomy, Clinical Anatomy, Pathomorphology and Forensic Medicine Medical Institute of Petro Mohyla Black Sea National University. |  | **Volume**: 3 ECTS credits (90 hours). **The purpose of the discipline** is to acquaint students with the basic histopathological methods of determining the main pathological processes of the human body. Originality of the discipline: author's course. **The content of the discipline** Topic 1. Histological laboratory equipment. Histological technique; Topic 2. Methods and rules for obtaining histological material; Topic 3. Cellular organization and functions of cells and tissues of the human body, methods for their determination; Topic 4. Pathological methods of research of blood and lymph circulation disorders; Topic 5. Pathological methods of research of metabolic disorders; Topic 6. Pathological methods of research of disorders of necrosis; Topic 7. Pathological methods of research of disorders of inflammation;  |
| **Expected learning outcomes** As a result of studying the discipline, students have: know - technical characteristics and purpose of equipment used in histological technique, features of cell organelle functions and histo-chemical methods of their determination; main pathohistological changes in pathological processes of the human body, and methods of their determination. be able to - use laboratory equipment for the manufacture of histological specimens, independently conduct the stages of obtaining histological material by autopsy and biopsy, "read" a microscopic image of histological specimens, followed by analysis and clinical conclusion. **Prerequisites** Theoretical materials of the presented syllabus of the chosen discipline are based on knowledge of related disciplines, macro-and microanatomy. **Details** Students must develop practical skills of histopathological understanding of the processes of transformation of the structural organization of cells and tissues, to master the basic macro- and microscopic manifestations, the main pathological processes in the human body. Analyzing certain cytological features, understand the consequences and level of threat to the human body. |  |
| **Criteria for evaluating independent work** To master the theoretical and practical foundations of certain topics of the presented elective discipline, students must prepare: a presentation on the list and technical characteristics of the main and auxiliary laboratory equipment used in histological techniques. There are 2 main components of the implementation of the independent work: 1) oral presentation in a practical lesson (40% of the assessment); 2) completeness of disclosure of the presented material, taking into account world achievements (60% of the assessment). |
|  |  | **Criteria for evaluating the control work** It is based on the determination of residual knowledge after mastering the elective discipline of choice. It includes 3 components: 1) test tasks; 2) Solving educational clinical problems; 3) Presentation of the main pathological manifestations in the cells and tissues of the human body in certain pathological conditions. |
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| **Semester control:** Credit **Evaluation:** For the semester: 120 points For credit: 80 points**Types of work**Independent work (Presentation) - 40 points. Final control work (testing) - 40 points. Survey in group classes - 40 points (4x10). |  |
| **Technical support** Microscope. Histological preparations. Projection multimedia equipment (projector, screen, laptop / computer). Internet access, Wi-Fi access point. Moodle e-learning system 3.9. |  |
| **Deadline policy** The works are presented in a certain study schedule, the term - according to the schedule for a certain week |  |
| **Academic Integrity Policy** Provides independent performance of the provided works and tasks. Write-off during the offset (including using mobile devices) is prohibited. In case of detection of plagiarism or write-off of work are not credited.  |  |