|  |  |  |
| --- | --- | --- |
|  Doctor of Medical Sciences, Professor Cherno VS | The special course is designed for medical students studying the course "Histology, Cytology and Embryology". The discipline is designed in such a way as to provide the applicant with the necessary knowledge to master the clinical disciplines of general and professional orientation. The subject of study of the discipline are modern methods of histological research, histological technique, microscopic and ultramicroscopic structure of cells, tissues and organs. Students during practical classes master: modern research methods in histology, their importance for medical practice; methods of taking biological material for research; principles of reagent preparation; features of preparation of bone tissue for research; prepare reagents, fix, wash and dehydrate the test material; to seal the material with paraffin, celloid; make histological sections, paste them on a glass slide; paint the slices and decorate them in the final environment; evaluate the manufactured micropreparation; differentiate tissue types on histological preparation; to differentiate the microscopic structure of organs; interpret the microscopic and submicroscopic structure of cells; assess physiological and reparative tissue regeneration; analyze the age characteristics of tissues; solve situational problems. Each topic includes a section of independent performance of the task and ends with the generalization of the material in the form of answers to questions or the performance of tasks on programmed control in the form of tests similar to Step 1. | Histological technique and diagnosis |