

VOLGOGRAD STATE
MEDICAL UNIVERSITY
Department of Pathological Anatomy

**General questions of tumors. Definition of tumors. Etiology and pathogenesis.
Classification. Epithelial tumors.**

Lesson plan.

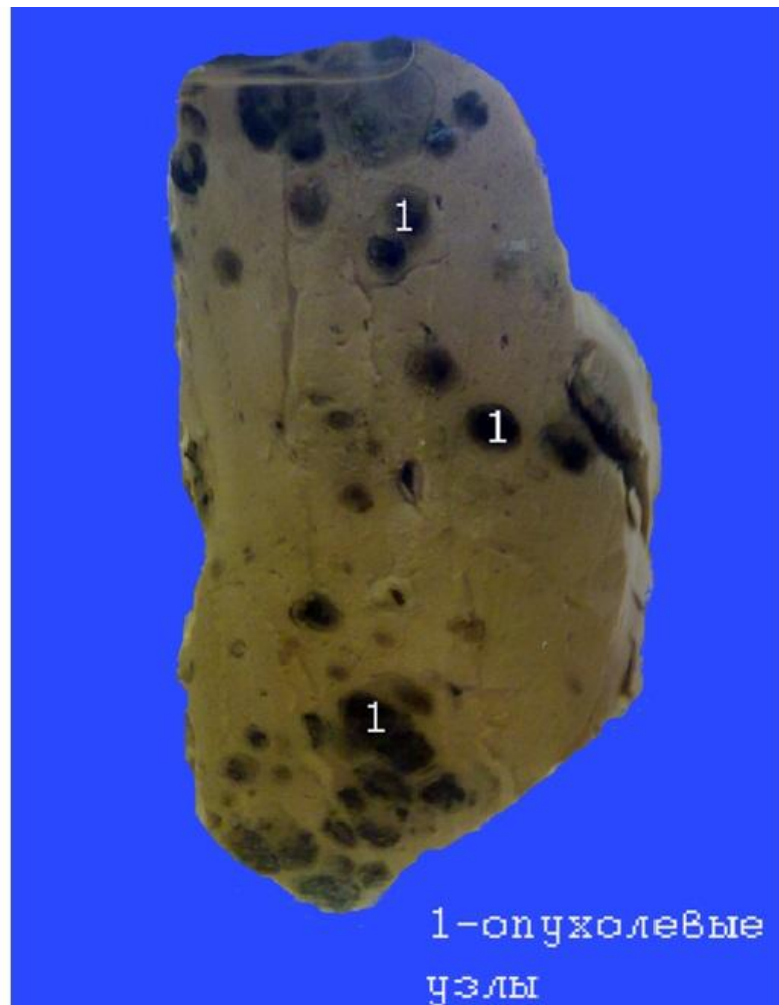
Explore and describe:

Mandatory **macropreparations and micropreparations:**

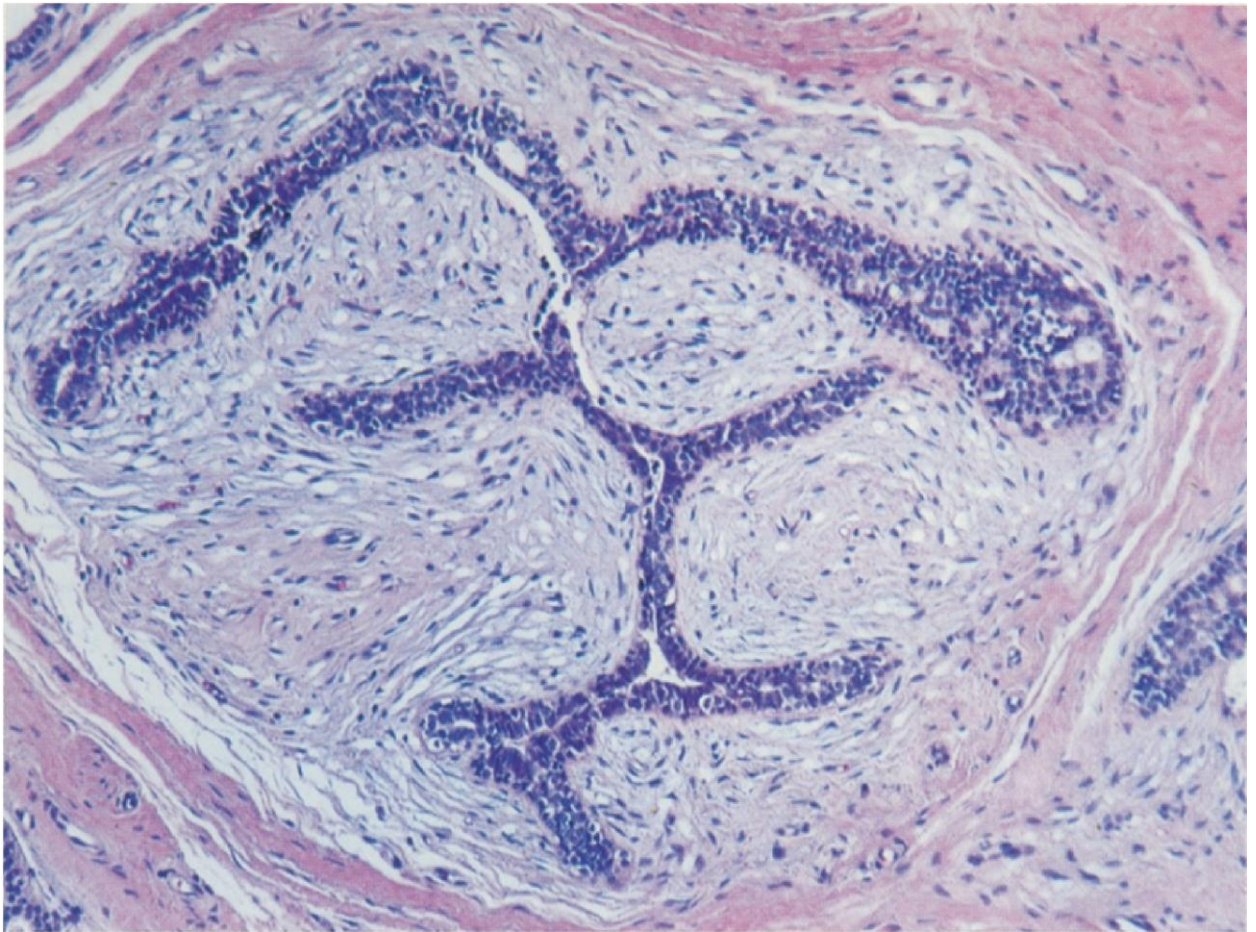
1. Describe the uterine cancer macro-preparation. Pay attention to the size of the uterus and the localization of the neoplasm, size, surface condition and sectional view, the nature of tumor growth.



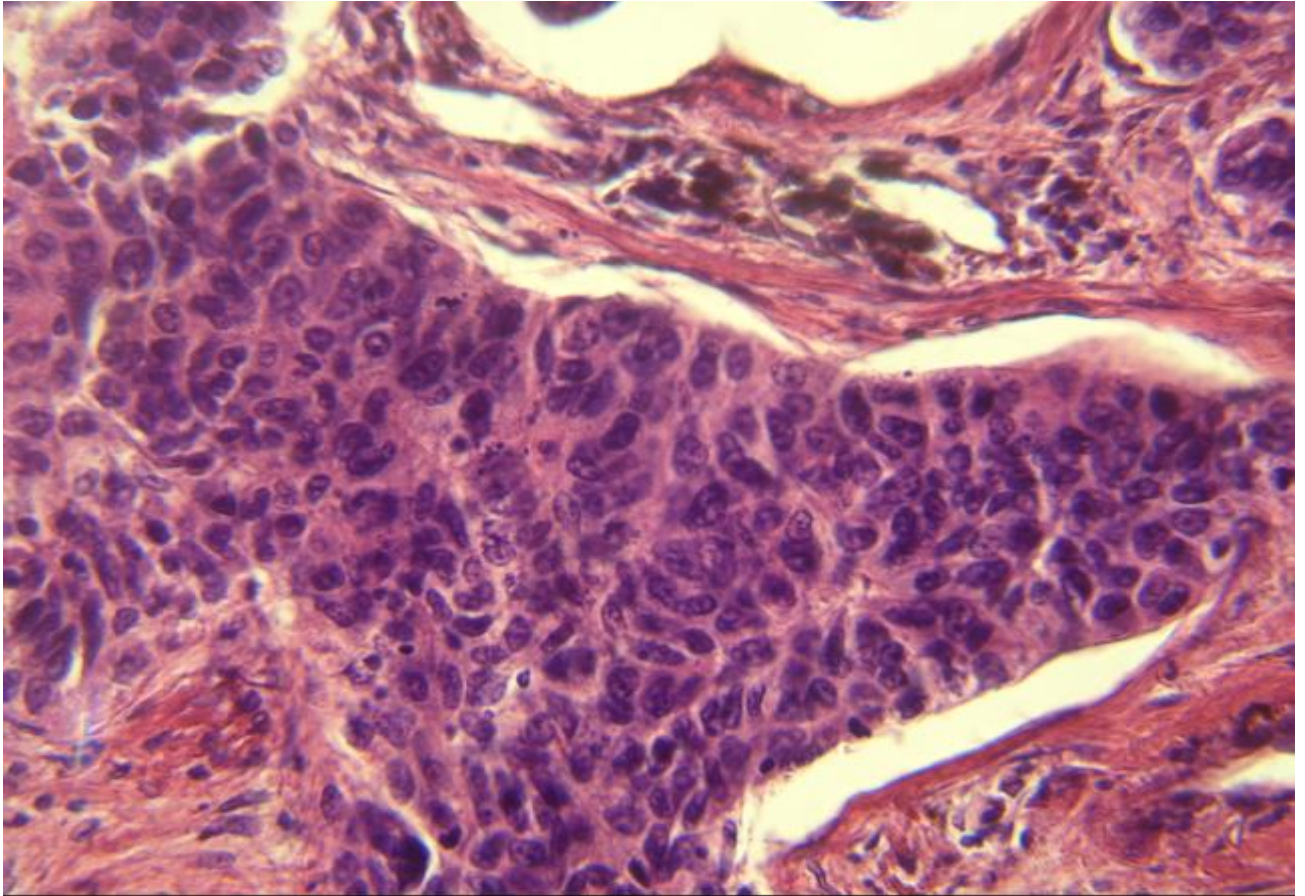
2. Describe the macropreparation "Metastases of melanoma in the liver". Pay attention to the size and surface of the liver, sectional view, location, number, size, shape and color of metastases.



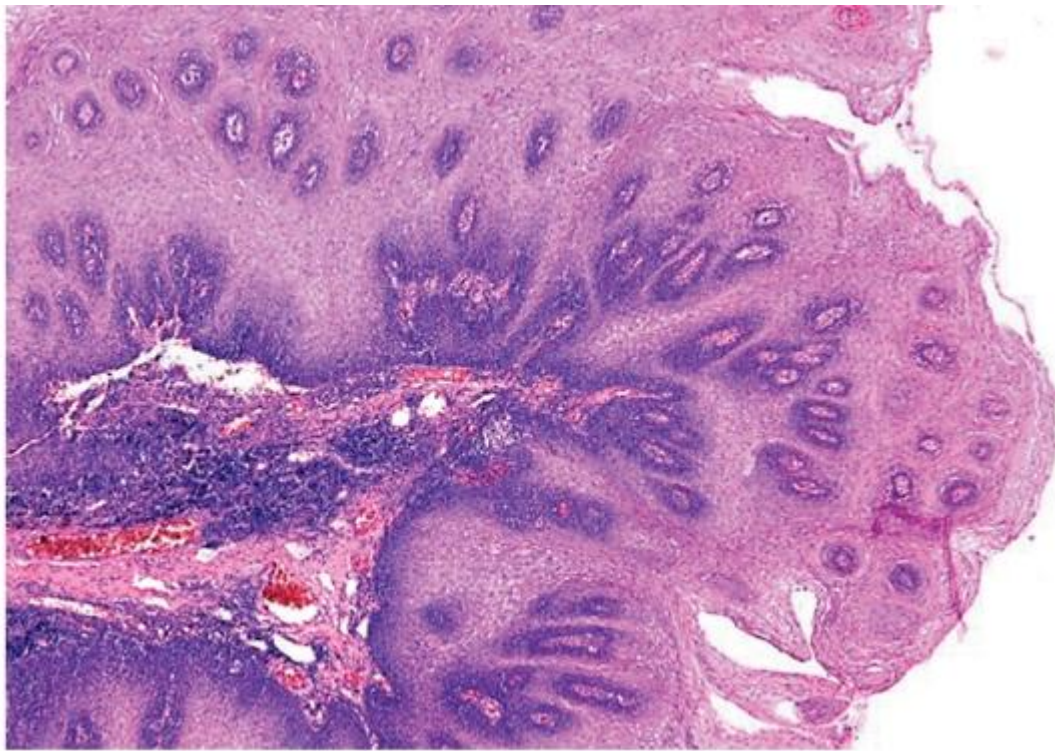
3. Describe the micropreparation "Breast fibroadenoma" (staining with hematoxylin and eosin). Pay attention to the localization, size and shape of the glandular formations, the properties of the epithelium in the glandular complexes, their number and peculiarities of the localization of the tumor stroma.



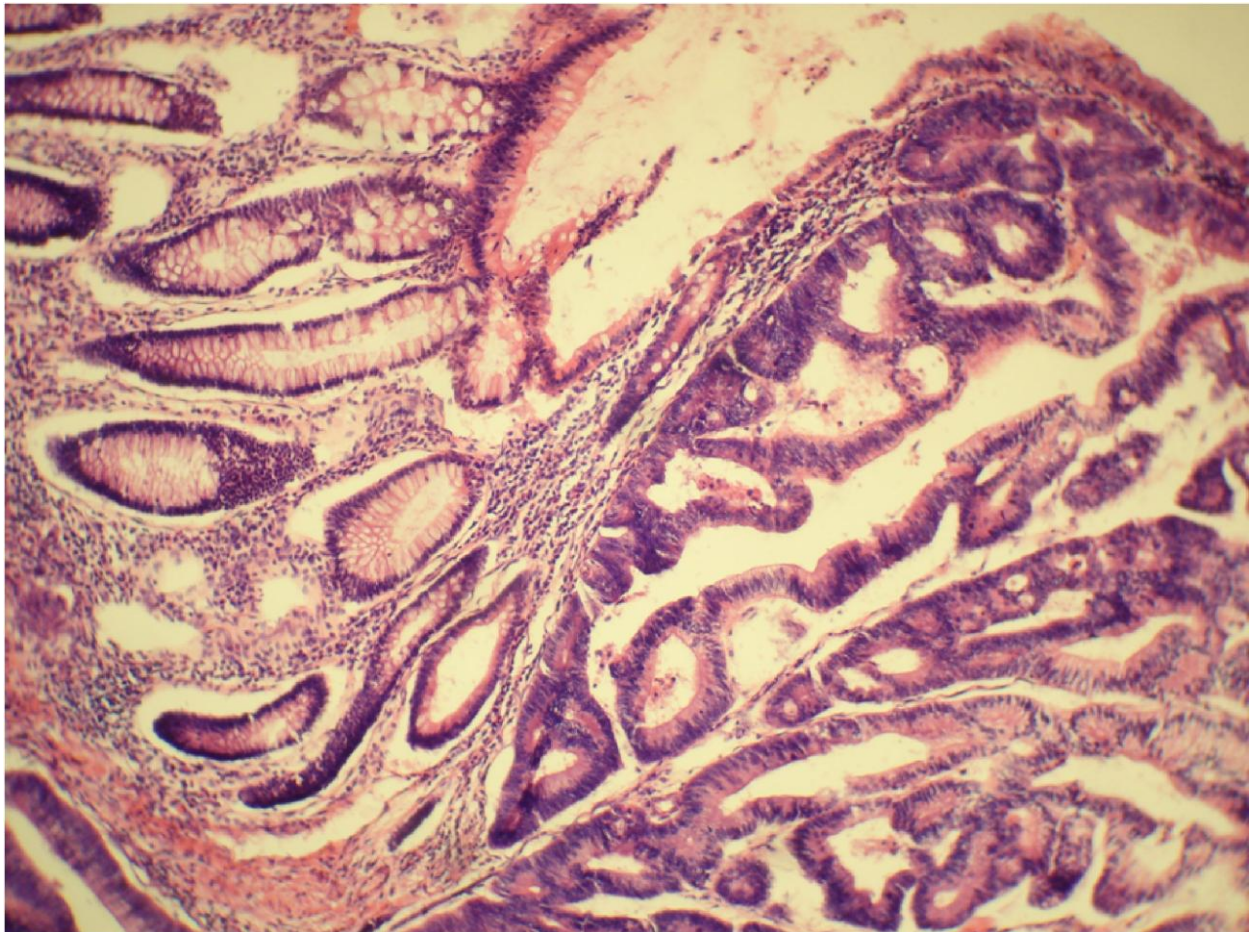
4. Describe the micropreparation "Squamous cell carcinoma of the lung (without keratinization)" (staining with hematoxylin and eosin). Pay attention to the localization of strands of stratified squamous epithelium in relation to the alveoli, structural features of tumor cells and their nuclei (size, shape, color intensity), secondary changes in tumor tissue.



5. Describe the "Skin papilloma" micropreparation (staining with hematoxylin and eosin). Pay attention to the nature of growths and properties of the integumentary epithelium, basement membrane, stromal growth.



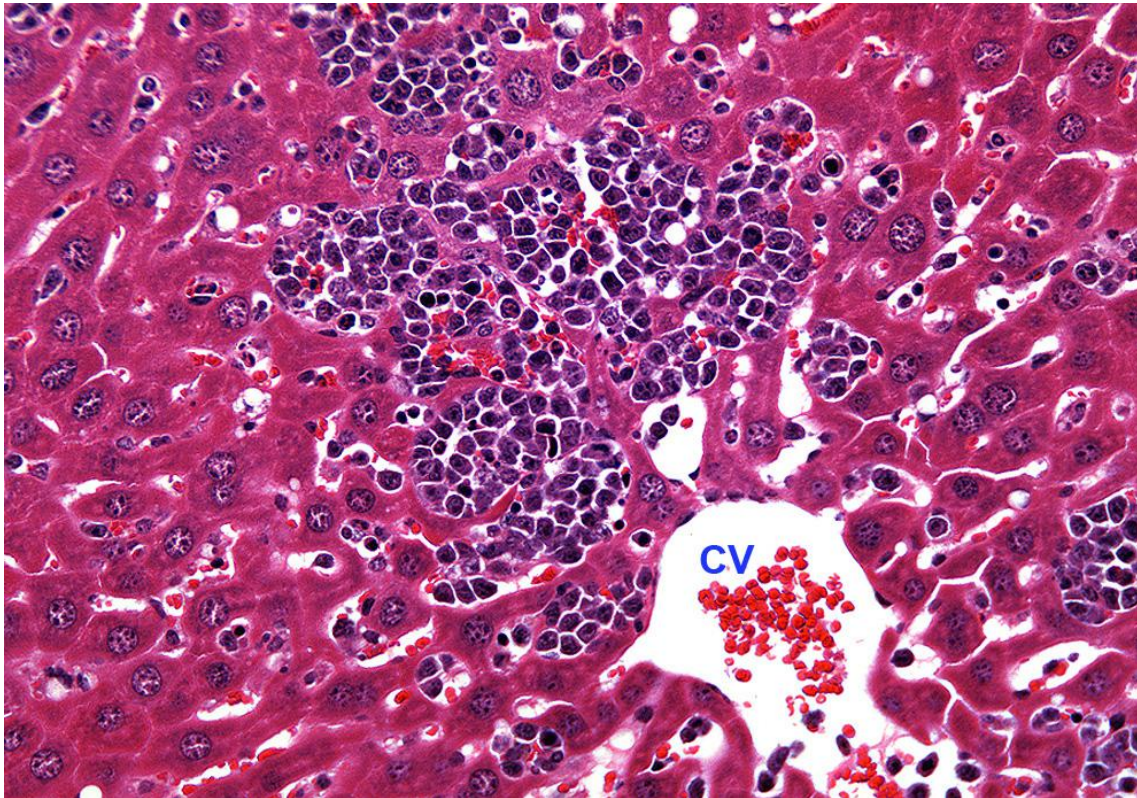
6. Describe the micropreparation "Adenocarcinoma of the colon (staining with hematoxylin and eosin.) Pay attention to the structure of atypical cell complexes among blood accumulations, structural features of tumor cells and nuclei (size, shape, color intensity), secondary changes in the tumor tissue."



7. Describe the macropreparation "Metastasis of stomach cancer to the liver." Pay attention to the structure of nodes, localization, size and shape of the formations.



8. Describe the micropreparation "Metastasis of stomach cancer to the liver." Pay attention to the structure of complexes of atypical cells, to the localization, size and shape of the formations.



List of recommended literature:

Basic literature:

1. "Basic pathology" Vinay Kumar, Ramzi S. Cotran, Stanley L. Robbins, 1997.

Additional literature:

1. "Pathology. Quick Review and MCQs" Harsh Mohan, 2004.
2. "Textbook of Pathology" Harsh Mohan, 2002.
3. "General and Systemic Pathology" Joseph Hunter, 2002.
4. "General and Systematic Pathology" Ed. J.C.E. Underwood – Edinburgh: Churchill Livingstone, 1996 (2th).
5. "Histology for Pathologist" Ed. S.S. Sternberg – Philadelphia: Lippincott Raven Publ, 1997 (2th).
6. "Histopathology. A Color Atlas and Textbook" Damjanov I., McCue P.A. – Baltimore, Philadelphia, London, Paris etc.: Williams and Wilkins, A Waverly Co., 1996.

7. "Muir's Textbook of Pathology" Eds. R.N.M. MacSween, K. Whaley London: ELBS, 1994 (14th).
8. "Pathology" Eds. Rubin, J.L. Farber – Philadelphia: Lippincott Raven Publ, 1998 (3th).
9. "Pathology Illustrated" Govan A.D.T., Macfarlane P.S., Callander R. – Edinburgh: Churchill Livingstone, 1995 (4th).
10. "Robbins Pathologic Basic of Disease" Eds. R.S.Cotran, V.Kumar, T.Collins – Philadelphia, London, Toronto, Montreal, Sydney, Tokyo: W.B.Saunders Co., 1998 (6th).
11. "Wheater's Basic Histopathology. A Color Atlas and Text" Burkitt H.G., Stevens A.J.S.L., Young B. – Edinburgh: Churchill Livingstone, 1996 (3th).
12. "Color Atlas of Anatomical Pathology" Cooke R.A., Steward B. – Edinburgh: Churchill Livingstone, 1995 (10th).
13. "General Pathology " Walter J.B., Talbot I.C. – Edinburgh: Churchill Livingstone, 1996 (7th).
14. "Concise Pathology" Parakrama Chandrasoma, Glive R. Taylor.
15. "Pathology" Virginia A. LiVolsi, Maria J. Merino, John S. J. Brooks, Scott H. Saul, John E. Tomaszewski, 1994.
16. "Short lectures on pathology" Zagoroulko A., 2002
17. "Robbins pathologic basis of diseases" Cotran R., Kumar V., Collins T.
18. "General pathology" Dr. Fatma Hafez, 1979.
19. "Anderson's Pathology " Damjanov I., Linder J. – St. Louis: Mosby Inc., 1995 (10th).

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