

## Oncological Pathology

1. Definition of a tumor. Benign and malignant tumors. Tumor initiation and progression
2. Tumor spread. Clinical manifestations of tumors. Tumor diagnostics
3. Epidemiology and etiology of tumors
4. Transforming viral infections – oncogenic viral diseases
5. Molecular carcinogenesis
6. Tumor predisposition. Precancerous lesions. Pseudotumors
7. Epithelial tumors and their precancerous lesions
8. Neuroendocrine tumors
9. Mesenchymal tumors – general characteristics of soft tissue tumors
10. Tumors and pseudotumors with fibroblastic and myofibroblastic differentiation
11. Tumors with adipocytic differentiation
12. Tumors with smooth muscle and rhabdomyocellular differentiation
13. Vascular tumors
14. Tumors of uncertain histogenesis and undifferentiated sarcomas
15. Germ cell tumors
16. Neuroectodermal tumors
17. General hemato-oncology
18. Predictive (onco)pathology
19. Tumors of the heart
20. Chronic myeloproliferative neoplasms
21. Myelodysplastic syndrome
22. Acute leukemias
23. Chronic lymphocytic leukemias
24. Plasma cell tumors. Histiocytoses
25. Lymphomas – general introduction. Tumors of precursor B and T lymphoid cells
26. Tumors of mature B cells
27. Tumors of peripheral T and NK cells
28. Hodgkin lymphoma
29. Tumors of the spleen
30. Tumors of the nasal cavity and paranasal sinuses. Tumors of the pharynx. Tumors of the larynx
31. Lung tumors

32. Tumors of the pleura
33. Tumors of the mediastinum. Tumors of the thymus
34. Tumors of the oral cavity
35. Odontogenic tumors
36. Tumors of the salivary glands
37. Tumors of the esophagus
38. Pseudotumors and tumors of the stomach
39. Intestinal polyps. Intestinal polyposis syndromes
40. Malignant tumors of the intestine and anus
41. Tumors and pseudotumors of the peritoneum
42. Tumors and pseudotumors of the liver
43. Tumors of the gallbladder and extrahepatic bile ducts
44. Tumors of the pancreas
45. Renal tumors
46. Tumors of the urinary tract
47. Tumors of the penis
48. Testicular tumors
49. Tumors of the prostate
50. Tumors of the vulva
51. Tumors of the vagina
52. Precancerous lesions and tumors of the cervix
53. Precancerous lesions and tumors of the uterine body
54. Tumors of the fallopian tubes. Tumors of the ovary
55. Gestational trophoblastic disease
56. Benign breast tumors. Phyllodes tumor
57. Breast carcinoma
58. Tumors of the CNS
59. Neurocutaneous syndromes (phacomatoses)
60. Tumors of the eye. Tumors of the ear
61. Pseudotumors and tumors of bones. Tumors of joints
62. Tumors of the pituitary gland and the sella turcica
63. Tumors of the adrenal glands
64. Tumors of the thyroid gland
65. Tumors of the parathyroid glands. Multiple endocrine neoplasia syndromes

66. Tumors and pseudotumors of the epidermis

67. Melanocytic lesions

68. Tumors and pseudotumors of the skin adnexa. Mesenchymal tumors of the skin.

Cutaneous lymphomas

69. Blastomas of the nervous system, kidney, eye, and liver in childhood