

Test questions on Oncology
for the 5-th year Medical Faculty for International
Students (2021 /2022)

1. Deontology in oncology.
2. Oncological epidemiology. Causes of increased incidence of cancer.
3. Epidemiology of cancer. Types of epidemiological studies in oncology and their evaluation.
4. Epidemiology of cancer. The concept of demographic and epidemiological transitions.
5. The concept of anti-cancer fight, its main directions.
6. Modern ideas about the mechanisms of carcinogenesis.
7. Stages of carcinogenesis.
8. Phenotypic signs of a malignant cell.
9. Biological features of tumor growth.
10. Carcinogenic agents, their classification and general characteristics.
11. Chemical carcinogens. Classification, mechanism of action.
12. Physical carcinogens. Classification, mechanism of action.
13. Biological carcinogens. Classification, mechanism of action.
14. Household carcinogenic effects, their prevention.
15. Principles of prevention of malignant tumors. The concept of primary prevention.
16. Secondary cancer prevention. Screening for precancerous diseases and early cancer.
17. The concept of screening. Modern screening methods for detecting cancer.
18. The concept of tertiary cancer prevention.
19. Patterns of cancer development. Optional and obligate precancerous diseases.
20. The concept of metaplasia, dysplasia and early cancer. Periods of tumor growth.
21. The concept of "natural history" of cancer.
22. Nomenclature of tumors. Solid and systemic tumors. Forms of tumor growth.
23. Principles of classification of malignant tumors of the main localizations.
24. Features of clinical examination of cancer patients.
25. Pathogenesis of symptoms of malignant neoplasms. The concept of clinical phenomena.
26. Diagnostic algorithm in oncology.
27. Methods of visualization of malignant tumors. Classification.
28. Ways to verify the diagnosis of cancer and assess the incidence of the tumor process.
29. Methods of sampling for verification of the diagnosis of a malignant neoplasm.
30. Methods of special treatment in oncology. Classification, general characteristics.
31. Variants and methods of radiotherapy of malignant tumors. Ways of conducting.
32. Radiosensitive and radioresistant tumors. Methods of radio modification.
33. Complications of radiotherapy. Classification. Diagnostics. Principles of treatment.
34. Surgical treatment of malignant tumors. Types of surgical interventions. The con-

cept of operability and resectability.

35. Surgical treatment of malignant tumors. Ablastic and antiplastic in oncology.

36. Chemotherapy in oncology. Classification of drugs. The mechanisms of their action.

37. Variants and principles of chemotherapy. Indications. The concept of targeted therapy.

38. Methods for the introduction of chemotherapy. Complications of chemotherapy. Diagnostics. Treatment.

39. The concept of accompanying therapy in oncology.

40. Principles of high-dosage chemotherapy. Stem cell transplantation. Indications.

41. Variants of hormone therapy in oncology. Indications. Complications.

42. Cancer of the esophagus. Epidemiology. Aetiology and pathogenesis. Classification. Clinic.

43. Cancer of the esophagus. Diagnostics.

44. Cancer of the esophagus. Treatment.

45. Stomach cancer. Epidemiology. Etiopathogenesis. Classification.

46. Stomach cancer. Clinic. Variants of metastasis and their diagnosis.

47. Stomach cancer. Diagnostics.

48. Surgical treatment of gastric cancer. Indications and types of operations.

49. Chemotherapy of gastric cancer. Indications.

50. Colon cancer. Epidemiology. Aetiology and pathogenesis. Classification. Clinic.

51. Cancer of the colon. Diagnostics.

52. Cancer of the colon. Treatment.

53. Cancer of the rectum. Aetiology and pathogenesis. Classification. Clinic.

54. Cancer of the rectum. Diagnostics.

55. Cancer of the rectum. Treatment.

56. Cancer of the pancreas. Aetiology and pathogenesis. Classification. Clinic.

57. Pancreatic cancer. Diagnostics.

58. Pancreatic cancer. Principles of treatment. Types of surgical interventions.

59. Liver cancer. Epidemiology. Aetiology and pathogenesis. Clinic. Classification.

60. Liver cancer. Diagnostics. Treatment.

61. Lung cancer. Epidemiology. Aetiology and pathogenesis. Clinic.

62. Lung cancer. Classification. Diagnostics. Types of screening.

63. Lung cancer. Principles of surgical, radiation and drug treatment.

64. Breast cancer. Epidemiology. Aetiology and pathogenesis. Classification.

65. Breast cancer. Clinic. Characteristics of clinical forms.

66. Breast cancer. Diagnostics.

67. Breast cancer. Indications for surgical treatment, types of operations.

68. Breast cancer. Indications and types of hormonal therapy.

69. Breast cancer. Indications for radiotherapy and chemotherapy.

70. Breast cancer screening. Self-examination technique.

71. Cancer of the thyroid gland. Aetiology and pathogenesis. Classification. Clinic.

72. Thyroid cancer. Diagnostics. Tactics with single nodes in the gland.

73. Thyroid cancer. Treatment.

74. Pre-cancerous skin diseases. Classification. Diagnostics. Medical tactics.

75. Skin cancer. Aetiology and pathogenesis. Classification. Clinic.

76. Skin cancer. Diagnostics. Treatment. Prevention.
77. Pigmented nevi. Classification. Medical tactics. Prevention of melanoma.
78. Neoplastic transformation signs for pigment nevus. Tactic doctor.
79. Melanoma of the skin. Epidemiology. Aetiology and pathogenesis. Classification.
80. Melanoma of the skin. Diagnostics. Treatment.
81. Malignant lymphomas. Epidemiology. Aetiology and pathogenesis. Classification.
82. Malignant lymphomas. Clinic. Symptoms of intoxication.
83. Malignant lymphomas. Diagnostics. Criteria for process activity.
84. Hodgkin's lymphoma. Classification. Clinic.
85. Principles of treatment for Hodgkin's lymphoma and non-Hodgkin's lymphomas.
86. Mediastinal tumors. Aetiology and pathogenesis.. Classification. Diagnostics. Principles of treatment.
87. Tumors of the retroperitoneal space. Classification. Diagnostics. Principles of treatment.
88. Soft tissue tumors. Epidemiology. Aetiology and pathogenesis. Diagnostics. Treatment.
89. Bone tumors. Epidemiology. Aetiology and pathogenesis. Diagnostics. Treatment.
90. Cancer of the vulva and vagina. Epidemiology. Aetiology and pathogenesis. Diagnostics. Treatment.
91. Ovarian cancer. Epidemiology. Aetiology and pathogenesis. Diagnostics. Treatment. Prevention.
92. Uterine cancer. Epidemiology. Aetiology and pathogenesis. Diagnostics. Treatment. Prevention.
93. Cervical cancer. Epidemiology. Aetiology and pathogenesis. Diagnostics. Treatment.

Head of the Oncology Department



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