



**Department of Oncology**  
**Questions for the final exam**  
**IV and V year, Faculty of Medicine 1 and 2**

***History of oncology. Organization of oncological service in Republic of Moldova. Deontology.  
Tumors classification.***

1. History of Oncology in the Republic of Moldova.
2. Organization and structure of oncology care in the Republic of Moldova.
3. Clinical groups in oncology and appropriate medical tactics.
4. The role of early detection and screening in oncology.
5. Epidemiological and geographical features of malignant tumors in the Republic of Moldova.
6. Incidence of hormone-dependent tumors in RM.
7. Characteristics of benign versus malignant tumors.
8. Etiopathogenesis of cancer. Endogenous and exogenous factors.
9. Characteristics of tumor biology. Protooncogenes and antioncogenes.
10. Characteristics of tumor biology. Landscaping and DNA repair genes.
11. General principles of tumor immunology. Phases of cancer immunoassay (the "3 E").
12. Paraneoplastic syndromes. Classification.
13. Principles of classification of malignant tumors according to TNM.
14. Pathways of metastatic spread of malignant tumors.
15. Steps of cancer diagnosis establishing. Complete formulation of the diagnosis.
16. Tumor markers. Roles and classification of tumor markers.
17. Treatment methods in oncology.
18. The role of surgery in the treatment of cancer.
19. Types of radiotherapy. Indications, contraindications and complications.
20. Indications for chemotherapy. Side effects.
21. Chemotherapy in oncology. Contraindications to chemotherapy.
22. Principles of palliative treatment in oncology. “Step” treatment of pain according to WHO recommendations.
23. The dispensarization of oncological patients.
24. Primary, secondary and tertiary prophylaxis of malignant tumors.



*Tumors of the reproductive female organs*

1. Incidence and mortality from breast cancer.
2. Etiopathogenesis and risk factors for breast cancer.
3. Precancerous conditions of the mammary gland. Metastatic pathways.
4. Benign tumors of the mammary glands- diagnosis, treatment.
5. Clinical classification of breast cancer. Characteristic of the nodular form of breast cancer.
6. Diffuse forms of breast cancer. The clinical signs.
7. Paget's cancer of the mammary gland - clinical signs, diagnosis and treatment.
8. Methods of diagnosis of breast cancer.
9. Methods of confirming of breast cancer.
10. Histopathological classification of mammary gland tumors.
11. TNM classification of breast cancer.
12. Surgical treatment of breast cancer. Postoperative complications of breast cancer.
13. Principles of chemotherapy for breast cancer - indications, complications.
14. Principles of radiotherapeutic treatment of breast cancer- indications, complications.
15. Anatomy of the internal genitals.
16. Epidemiology, risk factors and precancerous conditions of the cervix.
17. Epidemiology and characteristics of etiopathogenetic variants (type I and II) of endometrial cancer.
18. Epidemiology, etiopathogenesis and precancerous conditions of the ovaries.
19. Staging according to TNM and histopathological classification of malignant tumors of the cervix.
20. Staging according to TNM and histopathological classification of endometrial malignancies.
21. Staging according to TNM and histopathological classification of ovarian malignancies.
22. Clinical manifestations of cervical cancer.
23. Clinical manifestations of endometrial cancer.
24. Clinical manifestations of ovarian cancer.
25. Methods of screening and diagnosis of cervical cancer.
26. Methods of diagnosis and differential diagnosis of endometrial cancer.
27. Diagnosis of ovarian cancer. ROMA score. The importance of determining tumor markers.
28. Treatment of cervical cancer depending on the stage of the disease.
29. Methods of treatment of endometrial cancer. Indications and contraindications.
30. Principles of surgical treatment in ovarian cancer.



***Bronchopulmonary and esophageal cancer***

1. Epidemiology of bronchopulmonary cancer.
2. Etiopathogenesis of bronchopulmonary cancer.
3. Precancerous conditions of the lungs.
4. Histopathological classification of bronchopulmonary cancer.
5. Clinical-anatomical forms of lung cancer.
6. Metastatic pathways of bronchopulmonary cancer (lymphatic, hematogenous and mixed).
7. TNM classification of lung cancer.
8. Clinical evolution of central lung cancer.
9. Clinical manifestations of peripheral lung cancer.
10. Clinical evolution of apical lung cancer with Pancoast-Tobias syndrome.
11. Clinical signs of advanced bronchopulmonary cancer.
12. Paraneoplastic syndromes of lung cancer.
13. Radiological methods in detecting bronchopulmonary cancer. Radiological signs of central and peripheral lung cancer.
14. Bronchoscopic diagnosis of lung cancer (purpose, endoscopic signs).
15. Additional methods for diagnosing bronchopulmonary cancer.
16. Diagnosis of distant metastases of lung cancer.
17. Differential diagnosis of bronchopulmonary cancer.
18. Surgical treatment of lung cancer (radical and economic operations).
19. Treatment of lung cancer according to the stage of the disease and the histopathological structure.
20. Anatomy and physiology of the esophagus. Epidemiology of esophageal cancer.
21. Growth and histological forms of esophageal cancer.
22. Extension and metastasis pathways of esophageal cancer.
23. Etiopathogenesis of esophageal cancer and precancerous conditions of the esophagus.
24. TNM classification of esophageal cancer.
25. Clinical evolution of esophageal cancer.
26. Clinical signs of damage to adjacent organs in esophageal cancer.
27. Radiological semiology of esophageal cancer depending on the growth forms.
28. Methods of diagnosing esophageal cancer.



29. Surgical treatment of esophageal cancer.
30. Treatment of esophageal cancer depending on the anatomical part and the stage of the disease.

### *Gastric cancer*

1. Arterial and venous vascularization of the stomach.
2. Risk factors in gastric cancer.
3. Precancerous conditions of the stomach and their treatment.
4. Histological forms of gastric cancer.
5. Growth forms of gastric cancer.
6. Pathways of gastric cancer metastasis.
7. Pathways of lymphogenic metastasis of gastric cancer (lymph stations and groups).
8. Distantly lymphogenic metastases of gastric cancer.
9. Metastases (by implantation) of gastric cancer.
10. Clinical signs of proximal gastric cancer.
11. Clinical signs of distal gastric cancer.
12. Clinical signs of gastric cancer.
13. Complications of gastric cancer.
14. Methods of diagnosis of gastric cancer.
15. Radiological methods in the diagnosis of gastric cancer.
16. Endoscopic diagnosis of gastric cancer.
17. Differential diagnosis in proximal gastric cancer.
18. Classification of gastric cancer according to the TNM system.
19. Indications and contraindications of surgical treatment in gastric cancer.
20. Indications of distal subtotal gastric resection Billroth II - Hoffmeister-Finsterer.
21. Indications of total gastrectomy in omega.
22. Roux surgery, the type of anastomosis to restore transit in gastric cancer.
23. Types of gastric cancer surgery (depending on the form of growth and location).
24. Palliative surgery in gastric cancer.
25. Indications for palliative surgery in gastric cancer.
26. Chemotherapeutic treatment (neoadjuvant, adjuvant) in gastric cancer.
27. Treatment of gastric cancer according to the location and stage of the disease.



28. Postoperative complications in gastric cancer (early and late).
29. Preoperative preparation of the patient with gastric cancer.
30. Prognosis of gastric cancer.

***Pancreatoduodenal zone (PDZ) and liver cancer***

1. Anatomy and physiology of PDZ.
2. Histological forms of pancreatic cancer.
3. Forms of growth of pancreatic cancer.
4. Klatskin's tumor, location.
5. PDZ cancer metastasis pathways.
6. Classification of pancreatic cancer according to TNM.
7. Clinical signs of PDZ cancer. The Courvoisier-Terrier sign.
8. Diagnosis of PDZ cancer.
9. Radiological diagnosis of PDZ cancer.
10. Endoscopic diagnosis of PDZ cancer.
11. Treatment of pancreatic cancer.
12. Radical operations in pancreatic cancer depending on the location of the tumor.
13. Indications for distal hemipancreatectomy.
14. Pancreatoduodenal resection: indications, principle and postoperative complications.
15. Chemo- and radiotherapy of pancreatic cancer.
16. Anatomy and physiology of the liver.
17. Precancerous conditions of the liver and their treatment.
18. Histological forms of liver cancer.
19. Growth forms of liver cancer.
20. Pathways of liver cancer metastasis.
21. Classification of liver cancer according to the TNM system.
22. Clinical signs of liver cancer.
23. Diagnosis of liver cancer.
24. Radical surgeries in liver cancer.
25. Hepatic segmentectomy, hepatic bisegmentectomy, hemihepatectomy.
26. Indications for liver transplantation.



27. Indications for neoadjuvant and adjuvant treatment in liver cancer.
28. Chemotherapy for liver cancer.
29. Differential diagnosis of liver cancer.
30. Prognosis of liver cancer.

### *Colorectal cancer*

1. Etiopathogenesis of colon cancer.
2. Etiopathogenesis of rectal cancer.
3. Precancerous conditions of the colon.
4. Precancerous conditions of the rectum.
5. Macroscopic forms of growth of colon cancer.
6. Macroscopic forms of growth of rectal cancer.
7. Clinical forms of colon cancer.
8. Staging according to TNM of colon cancer.
9. Histopathological classification of malignant tumors of the colon.
10. Histopathological classification of malignant tumors of the rectum.
11. Clinical manifestations of colon cancer.
12. Clinical manifestations of rectal cancer.
13. Radiological diagnosis of colon cancer.
14. Radiological diagnosis of rectal cancer.
15. Endoscopic diagnosis of colon cancer.
16. Endoscopic diagnosis of rectal cancer.
17. Differential diagnosis of colon cancer.
18. Differential diagnosis of rectal cancer.
19. Indications and contraindications of surgical treatment of the colon.
20. Indications and contraindications of surgical treatment of the rectum.
21. Radical surgery for colon cancer.
22. Radical surgery of rectal cancer.
23. Palliative surgery for colon cancer.
24. Palliative surgery for rectal cancer.



25. Postoperative complications of colon cancer and their treatment.
26. Postoperative complications of rectal cancer and their treatment.
27. Indications and contraindications of chemotherapeutic treatment in colon cancer.
28. Radiotherapeutic treatment in rectal cancer.
29. Complications of chemotherapy in colon cancer and their treatment.
30. Complications of radiotherapy t in rectal cancer and their treatment.

### ***Cancer of the kidney and bladder***

1. Morbidity and mortality of kidney cancer in the world and the Republic of Moldova.
2. Etiopathogenesis of kidney cancer. Risk factors and precancerous conditions.
3. Morphological classification of kidney tumors. Degrees of histological differentiation.
4. Anatomical (growth) forms of kidney cancer. Metastatic pathways.
5. Classification of kidney cancer according to TNM and staging.
6. Clinical forms of kidney cancer.
7. Clinical manifestations of kidney cancer.
8. Diagnosis of kidney cancer. Clinical examination. Laboratory and radiological investigations.
9. Diagnosis of kidney cancer. Imaging methods.
10. Kidney cancer metastasis and methods for assessing distant metastases.
11. Surgical, combined and complex treatment of kidney cancer.
12. Economic operations of kidney cancer. Indications, surgical volume and prognosis.
13. Palliative treatment of kidney cancer.
14. Conservative treatment in kidney cancer.
15. Prophylaxis and prognosis of kidney cancer.
16. Morbidity and mortality of bladder cancer in the world and the Republic of Moldova.
17. Etiopathogenesis of bladder cancer. Risk factors and precancerous conditions.
18. Histopathological classification of bladder tumors. Degrees of histological differentiation.
19. Anatomical (growth) forms of bladder cancer. Metastatic pathways.
20. Classification of bladder cancer according to TNM and staging.
21. Clinical forms of bladder cancer.
22. Clinical manifestations of bladder cancer.
23. Diagnosis of bladder cancer. Clinical examination. Laboratory and radiological investigations.



24. Diagnosis of bladder cancer. Imaging methods.
25. Renal cancer metastasis and methods for assessing distant metastases.
26. Surgical, combined and complex treatment of bladder cancer.
27. Economic operations of bladder cancer. Indications, surgical volume and prognosis.
28. Palliative treatment of bladder cancer.
29. Conservative treatment in bladder cancer.
30. Prophylaxis and prognosis of bladder cancer.

***Skin cancer. Malignant melanoma. Lip cancer.***

***Tongue and buccal mucosa cancer. Thyroid cancer.***

1. Anatomy of the thyroid gland (venous and lymphatic drainage).
2. Epidemiology and etiology of thyroid cancer.
3. TNM classification of thyroid tumors.
4. Precancerous conditions of the thyroid gland.
5. Clinical manifestations of thyroid cancer.
6. Diagnosis of thyroid cancer.
7. Surgical treatment in thyroid cancer.
8. Complications of thyroid cancer treatment.
9. Complex and combined treatment in thyroid cancer.
10. Anatomy of the lower lip.
11. Epidemiology and etiopathogenesis of lower lip cancer.
12. Precancerous conditions of the lower lip.
13. Clinical signs and treatment of precancerous conditions of the lower lip. Keratoacanthoma.
14. Ulcerative form of lower lip cancer.
15. Clinical evolution of lower lip cancer according to the stage of the disease.
16. Criteria for TNM classification of lower lip cancer.
17. Diagnosis and treatment of lower lip cancer.
18. Methods of treatment according to the stages of lower lip cancer.
19. Prognosis and methods of prophylaxis of lower lip cancer.
20. Skin cancer epidemiology and risk factors.
21. Precancerous skin conditions.





22. Basal cell carcinoma, types, treatment.
23. Squamous cell carcinoma types, treatment.
24. Epidemiology and risk factors of malignant melanoma.
25. Clinical appearance and signs of malignancy of malignant melanoma.
26. Levels of malignant melanoma according to Clark and Breslow classification.
27. Differential diagnosis and treatment depending on the level of invasion of malignant melanoma.
28. Complex and combined treatment in malignant melanoma.
29. Prognostic factors in malignant melanoma.
30. Surgical reconstructive methods in the treatment of malignant melanoma.

Head of Department of Oncology,

Professor, MD Phd

\_\_\_\_\_

Sofroni Dumitru

Head of studies Department of Oncology

Assistant lecturer

\_\_\_\_\_

Cucieru Cristina