Questions for Oncology examination for students of the IV year, Faculty of Medicine no. 1, No. 2.

1. The founding Background of oncological service in the Republic of Moldova. Staff training in oncology. The foundation and history of the Oncology, Hematology and Radiation Department.

2. The infrastructure of oncology service in Republic of Moldova.

3. Clinical groups in oncopathology and medical tactics.

4. Epidemiologic and geographical beatures of malignant tumors in the Republic of Moldova.

5. Risk factors in oncogenesis.


7. Principles of malignant tumors classification according to TNM staging.


10. Rehabilitation of oncological patients.


12. The role of Hospice in the palliative treatment of oncology patients.

13. Primary, secondary and tertiary prophylaxis of malignant tumors.


Skin cancer

1. Skin cancer (basal cell, squamous cell). Skin cancer morbidity and mortality.

2. Etiopathogenesis of skin cancer.


5. Primary and secondary prophylaxis of skin cancer.

6. Skin cancers TNM staging.

7. Paths of skin cancer progress.

8. Unfavorable prognostic factors for skin cancer.


16. Chemotherapy (topical and systemic use) and immunotherapy of skin cancer.

**Malignant melanoma**


3. TNM classification (staging) of cutaneous malignant melanoma.

4. Breslow classification and levels of invasion (Clark) of malignant melanoma.

5. Clinical signs of malignant cutaneous moles.


7. Cutaneous malignant melanoma metastasis paths.

8. Unvariable prognostic factors for cutaneous malignant melanoma.


10. Surgical treatment of cutaneous malignant melanoma.

11. Immunotherapy of cutaneous malignant melanoma.


15. Treatment of cutaneous malignant melanoma metastasis. (surgery, chemotherapy, immunotherapy).

**The thyroid gland cancer**

1. Precancerous condition of the thyroid gland.

2. The staging of thyroid cancer according to the TNM system.

3. Etiopathogenesis of thyroid cancer.

4. Histopathological forms of thyroid cancer.

5. Malignisation signs of benign thyroid tumors.

6. Thyroid cancer regional metastatic pathways.

7. Thyroid cancer clinic and paraclinic diagnostic methods.

8. Thyroid cancer treatment according to tumor stage.


10. Clinical signs of thyroid cancer according to dissemination process.

11. Primary and secondary prophylaxis of thyroid cancer.
12. Hormonal therapy for thyroid cancer.
13. Concept of metabolic radiotherapy.

**Oral cavity mucosa cancer**

1. Lower lip cancer etiopathogenesis.
2. Premalignant diseases of the lower lip.
3. TNM classification and staging of oral mucosa cancer.
5. Lower lip cancer metastasis pathways.
7. Lower lip cancer radiotherapy.
10. Epidemiology of oral cavity mucosa cancer.
11. Classification of oral cavity mucosa cancer according to TNM staging.
13. Clinical presentation of forms (ulcer, nodular, papillary) of oral cavity mucosa cancer.
17. Cryotherapy in the oral cavity mucosa cancer. Indications and contraindications.
19. Histopathological classification of cancers of the oral cavity organs.

**Tumors of female reproductive organs**

1. Incidence and mortality due to breast cancer.
2. Breast cancer etiopathogeny.
3. Precancerous condition of the mammary gland.
13. The treatment of breast cancer according to the stage of tumor.
17. Postoperative complications of breast cancer.
18. Indications for chemotherapy in breast cancer.
22. Staging of breast cancer according to the TNM system.
23. Incidence and mortality from cervical cancer.
27. FIGO / TNM staging of cervical cancer.
31. Types of radiant treatment in cervical cancer.
33. Methods of prophylaxis (screening) and prognosis in cervical cancer.
35. Precancerous conditions of the endometrium. Diagnosis and treatment.
38. Diagnosis of endometrial cancer.
40. Prophylaxis and prognosis of endometrial cancer.
41. Ovarian cancer. Epidemiology, etiopathogeny and precancerous conditions.
42. WHO histopathological classification of ovarian tumors.
43. TNM and FIGO staging of ovarian cancer.
44. Clinical manifestations of ovarian cancer.
45. Diagnosis of ovarian cancer.
46. Tumor markers detectable in ovarian cancer (antigenic, enzymatic, hormonal).
47. Principles of surgical treatment (primary, palliative, second-look surgery).
48. Chemotherapy in ovarian cancer.
49. Prophylaxis and prognosis of ovarian cancer.

**Urinary bladder, Kidney cancers**

4. Diagnostic methods of kidney cancer: (USG, CT, MRI, angiography, cystoscopy)
5. The differential diagnosis of CR with hydronephrosis, renal cysts, retroperitoneal tumors, benign tumors.
20. Prophylaxis of bladder cancer.
**Cancer of colon and rectum**

1. Incidence and mortality from malignant colon tumors.
2. Incidence and mortality from malignant tumors of rectum.
3. Etiopathogenesis of colon and rectum cancers.
4. Precancerous conditions of the colon.
5. Forms of macroscopic growth of colon cancer.
6. The histological classification of malignant tumors of colon.
7. Forms of macroscopic growth of rectal cancer.
8. The histological classification of malignant tumors of the rectum.
10. Clinical manifestations of colon cancer.
12. TNM staging of colon cancer.
13. Dukes staging of colon cancer.
17. Endoscopic diagnosis of colon cancer.
18. Radical surgery for colon cancer.
19. Palliative operations used for colon cancer.
20. Rectal cancer TNM staging.
24. Palliative operations used for rectal cancer.

**Lung cancer**

2. Etiopathogenesis of lung cancer. (smoking, air pollution, genetic factors, ionizing radiation etc.)
3. Precancerous condition of the lungs.
7. Lung cancer TNM classification.
8. The clinical evolution of central lung cancer.
15. Treatment of lung cancer according to the tumor stage and morphological structure.

**Esophageal cancer**

2. Growth and histological forms of esophageal cancer.
3. Progression and metastasis pathways of esophageal cancer.
4. Etiopathogenesis of esophageal cancer and precancerous condition of the esophagus.
5. The TNM classification of esophageal cancer.
7. Clinical signs of harm by oesophageal cancer of adjacent organs.
8. Radiological semiology depending on the forms of oesophageal cancer growth (exophytic, infiltrative and ulcerative).
9. Methods of diagnosis of esophageal cancer (fibroesophagostroscopy, radiological fibrobronchoscopy etc.)
10. Surgical treatment of oesophageal cancer (radical and palliative surgery).
11. Esophageal Cancer Treatment depending on the affected anatomical sites and tumor stage.

**Gastric cancer**

1. Frequency of gastric cancer depending on the anatomical regions of the stomach.
2. Arterial and venous vascularization of the stomach.
5. Growth forms of gastric cancer.
7. The lymphatic paths metastasis of gastric cancer (stages and lymphatic nodes groups).
9. Metastasis(by implantation) of gastric cancer
10. The clinical presentation of proximal gastric cancer.
18. Classification of gastric cancer according to the TNM system.
20. Types of surgical operations in gastric cancer (depending on the growth forms and localization).
22. Chemotherapy (neoadjuvant, adjuvant) in gastric cancer.
23. Treatment of gastric cancer according to tumor stage and localization.
25. Preoperative preparation of gastric cancer patients

**Hepatic cancer**

1. Anatomy and physiology of the liver.
2. Liver precancerous conditions and their treatment.
3. Histological forms of liver cancer.
5. Liver cancer metastatic pathways.
6. Classification of liver cancer according to TNM system.
7. Clinical presentation of liver cancer.
8. Diagnosis of liver cancer.
10. Liver cancer chemotherapy.
12. Prognosis of liver cancer.
Pancreatoduodenal zone

1. Anatomy and physiology of pancreatoduodenal zone.
2. Histological forms of pancreatic cancer.
3. Forms of growth of pancreatic cancer.
5. Pathways of cancer metastasis of pancreatoduodenal zone.
6. Classification of pancreatic cancer according to TNM system.
8. Pancreatoduodenal zone cancer diagnosis.
12. Radical surgery in pancreatic cancer depending on the tumor localization.

Head of Department,
Professor, MD Phd

Sofroni Dumitru