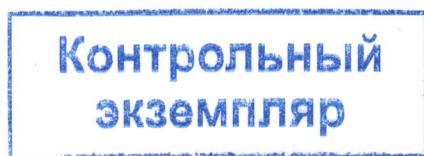


MINISTRY OF HEALTH OF THE REPUBLIC OF BELARUS
Educational Institution
«BELARUSIAN STATE MEDICAL UNIVERSITY»



APPROVED

by Rector of the Educational
Institution «Belarusian State
Medical University»



S.P. Rubnikovich

26.06.2025

Reg. # UD-094-01-45/2526/edu.

ONCOLOGY

**Curriculum of the educational institution
in the academic discipline for the specialty**

1-79 01 01 «General Medicine»

Curriculum is based on the educational program «Oncology», approved 26.06.2025, registration # УД-0911-01-45/2526/уч.; on the educational plan in the specialty 1-79 01 01 «General Medicine», approved 16.04.2025, registration # 7-07-0911-01/2526/mf.

COMPILERS:

A.G.Zhukovets, Head of the Department of Oncology with a course of advanced training and retraining of the Educational Institution «Belarusian State Medical University», PhD, Associate Professor;

E.G.Moroz, Associate Professor of the Department of Oncology with a course of advanced training and retraining of the Educational Institution «Belarusian State Medical University», PhD;

T.A.Koren, Senior Lecturer of the Department of Oncology with advanced training and retraining of the Educational Institution «Belarusian State Medical University»;

M.N.Shapetska, Associate Professor of the Department of Oncology with a course of advanced training and retraining of the Educational Institution «Belarusian State Medical University», PhD

RECOMMENDED FOR APPROVAL:

by the Department of Oncology with advanced training and retraining course of the Educational Institution «Belarusian State Medical University»
(protocol # 10a of 12.05.2025);

by the Scientific and Methodological Council of the Educational Institution «Belarusian State Medical University»
(protocol # 10 of 26.06.2025)

EXPLANATORY NOTE

«Oncology» is an academic discipline of the Surgical Module # 3, that contains systematic scientific knowledge about the etiology, pathogenesis, methods of clinical diagnosis, treatment and prevention of oncological diseases.

The aim of the educational discipline «Oncology» is to develop specialized competencies for solving professional tasks in the diagnosis and treatment of the main localizations of malignant neoplasms; building a clinical diagnosis for the most common malignant neoplasms; about organization of the state of oncological care for the population; prevention of oncological diseases.

The objectives of the discipline «Oncology» are to develop students' scientific knowledge about the epidemiology, etiology and pathogenesis of benign and malignant neoplasms; modern methods of early diagnosis of malignant neoplasms and precancerous diseases; principles of combined and complex treatment of malignant neoplasms; skills and abilities necessary for identifying clinical manifestations of malignant neoplasms; conducting primary, secondary and tertiary diagnostics of malignant neoplasms. prevention of malignant neoplasms, including medical examinations of high-risk cancer groups; conducting examinations of patients with suspected malignant neoplasms; conducting medical rehabilitation of patients.

Relations to other educational disciplines

The knowledge, skills and abilities acquired during the study of the academic discipline «Oncology» are necessary for successful study of the following academic disciplines: «Internal diseases», «Surgical diseases», «Obstetrics and Gynecology», «Oncology» for Sub-Residency «General Medical Practice».

A student who has mastered the content of the educational material of the academic discipline should have the following specialized competence: to diagnose and provide primary and specialized medical care for surgical diseases and injuries, urological diseases and the most common malignant neoplasms.

As a result of studying the academic discipline «Oncology» student should: know:

organization of specialized medical care for patients with cancer in the Republic of Belarus;

methods of diagnostics of oncological diseases;

methods of cancer treatment;

rules of medical ethics and deontology;

be able to:

collect a history of cancer;

conduct a general examination and assess the patient's condition;

interpret the results of a clinical and biochemical laboratory examination;

recognize the presence of neoplasms of visual localizations;

identify risk groups during routine medical examinations;

determine the clinical group and, in accordance with it, the treatment strategy;

solve deontological and ethical tasks related to communicating the diagnosis and plan of upcoming treatment to the patient, relatives, including in case of an unfavorable prognosis and refusal of treatment;

fill out medical records for oncology;
 conduct sanitary and hygienic education of the population;
 promote a healthy lifestyle and knowledge of the main symptoms of cancer;
master:

the method of physical examination of the patient;
 the technique of conducting a parallel examination in case of suspected malignant neoplasm;
 the technique of palpation of peripheral lymph nodes, mammary glands, and thyroid gland.

Total number of hours for the study of the discipline is 154 academic hours, of which 99 classroom hours and 55 hours of student independent work. Classroom hours according to the types of studies: lectures – 15 hours (including 3 hours of supervised student independent work (SSIW)), practical classes – 84 hours.

Form of higher education – full-time.

Intermediate assessment is carried out according to the syllabus of the specialty in the form of an examination (10 semester).

ALLOCATION OF ACADEMIC TIME ACCORDING TO SEMESTERS OF STUDY

Code, specialty name	Semester	Total number of academic hours	Number of classroom hours				Out-of-class self-studies	Form of intermediate assessment
			total	including		practicals		
				lectures				
				class lectures	SSIW			
1-79 01 01 «General Medicine»	9	64	42	6	-	36	22	-
	10	90	57	6	3	48	33	exam
Total number		154	99	12	3	84	55	

THEMATIC PLAN

Name of the section (topic)	Number of class hours	
	lectures (including SSIW)	practical
1. General oncology	1,5	6
1.1. Etiology and pathogenesis of neoplasms. Methods of diagnosis and treatment in oncology	1,5	3
1.2. Organization of specialized medical care for patients with cancer. Deontology in oncology		3
2. Special oncology	13,5	78
2.1. Malignant neoplasms of the esophagus and stomach	1,5	6
2.2. Colorectal cancer	1,5	6
2.3. Hepatopancreatoduodenal malignancies	-	6
2.4. Malignant neoplasms of the ovaries	1,5	6
2.5. Malignant neoplasms of the cervix and endometrium	-	6
2.6. Malignant neoplasms of the skin	1,5	6
2.7. Malignant neoplasms of the salivary glands, lips, tongue, oral mucosa, larynx	1,5	6
2.8. Malignant neoplasms of the thyroid gland	1,5	6
2.9. Malignant neoplasms of the lungs and mediastinum	1,5	6
2.10. Malignant neoplasms of the breast	1,5	6
2.11. Malignant neoplasms of the kidneys and bladder, testicles. Prostate cancer	-	6
2.12. Malignant lymphomas	1,5	6
2.13. Malignant neoplasms of soft tissues, bones, retroperitoneal space	-	6
Total hours	15	84

CONTENT OF THE EDUCATIONAL DISCIPLINE

1. General oncology

1.1. Etiology and pathogenesis of neoplasms. Methods of diagnosis and treatment in oncology

Definition of the term «tumor». Basic properties of malignant neoplasms. Epidemiology, etiology and pathogenesis of malignant neoplasms. Classification of neoplasms. Precancerous, early cancer. Morbidity and mortality from cancer, the concept of «cancer neglect».

Groups of carcinogens, mechanisms and stages of carcinogenesis.

Primary, secondary and tertiary prevention of malignant neoplasms. Routine inspections of the population. Rules for medical examinations of high-risk cancer groups.

Diagnostic algorithm in oncology. Principles of cancer diagnosis formulation. Classification of neoplasms according to the TNM system, stages. Diagnostic methods in oncology. Types of biopsies.

Types and methods of treatment in oncology. Principles of surgical treatment.

Biological bases and principles of radiation therapy and pharmacological treatment of malignant neoplasms.

Methods of radiation therapy and pharmacological treatment (chemotherapy, targeted therapy, hormonotherapy, immunotherapy of malignant neoplasms).

1.2. Organization of specialized medical care for patients with cancer. Deontology in oncology

Organization of specialized cancer care for the population in the Republic of Belarus and prospects for its development. Structure of cancer service healthcare organizations, tasks and functions, interaction with outpatient and hospital organizations. Regulatory legal documents on the organization of medical care for patients with cancer. Registration of medical documentation in the oncological service: list, rules of registration.

Dispensary monitoring of patients with cancer. Dispensary accounting groups. Medical and social expertise. Medical rehabilitation. Screening. Tactics of treatment in advanced stages of malignant neoplasms.

Ethics of doctor-patient relationships: basic ethical and psychological problems and ways to resolve them. Deontological norms and rules of activity of a specialist doctor. The principle of confidentiality (maintaining medical secrecy and non-disclosure of information about the state of health of patients).

Familiarization with the structure and organization of work of outpatient clinics, rehabilitation departments.

2. Special oncology

2.1. Malignant neoplasms of the esophagus and stomach

Esophageal cancer: epidemiology, etiology, pathogenesis, precancerous diseases, risk factors, metastasis, clinical manifestations, complications, diagnosis, treatment.

Gastric cancer: epidemiology, etiology, pathogenesis, precancerous diseases, features of growth and metastasis. Clinical manifestations depending on the form of tumor growth and localization, complications of the tumor process, diagnosis, differential diagnosis, treatment. Early diagnosis and prevention of gastric neoplasms.

Examination of patients with esophageal and gastric cancer: collection of complaints and anamnesis of the disease, physical examination, preparation of a survey plan, determination of indications for additional diagnostic methods, interpretation of the results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation.

2.2. Colorectal cancer

Colon cancer: epidemiology, etiology, pathogenesis, precancerous diseases, metastasis. Clinical manifestations depending on the location, clinical forms, diagnosis, differential diagnosis, complications, treatment.

Rectal cancer: epidemiology, etiology, pathogenesis, precancerous diseases, metastasis. Clinical manifestations depending on the location, diagnosis, differential diagnosis, treatment.

Anal cancer: epidemiology, etiology, pathogenesis, precancerous diseases, metastasis. Clinical manifestations, diagnosis, differential diagnosis, treatment.

Colorectal cancer screening.

Examination of patients with colorectal cancer: collection of complaints and anamnesis of the disease, physical examination, preparation of a survey plan, determination of indications for additional diagnostic methods, interpretation of the results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation.

2.3. Hepatopancreatoduodenal malignancies

Liver neoplasms (primary and metastatic): epidemiology, etiology, pathogenesis, precancerous diseases and risk factors, classification, clinical manifestations, diagnosis, differential diagnosis, treatment.

Pancreatic cancer: epidemiology, etiology, pathogenesis, risk factors, clinical manifestations depending on the location, diagnosis, treatment.

Cancer of the gallbladder, extrahepatic ducts: epidemiology, etiology, morphological classification, diagnosis, treatment and prevention.

Examination of patients with cancer of the liver, pancreas, gallbladder, extrahepatic ducts: collection of complaints and anamnesis of the disease, physical examination, preparation of a survey plan, determination of indications for additional diagnostic methods, interpretation of the results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation.

2.4. Malignant neoplasms of the ovaries

Neoplasms ovarian cancer: epidemiology, etiology, pathogenesis, classification (epithelial, non-epithelial and metastatic).

Etiology and pathogenesis of ovarian cancer, risk groups, clinical manifestations, treatment.

Examination of patients with ovarian neoplasms: collection of complaints and anamnesis of the disease, physical examination, preparation of a survey plan, determination of indications for additional diagnostic methods, interpretation of the results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation.

2.5. Malignant neoplasms of the cervix and endometrium

Cervical cancer: epidemiology, etiology, pathogenesis, precancerous diseases, background processes, classification, metastasis. Early diagnosis and prevention, principles and methods of screening. Clinical manifestations, diagnosis and complications. Treatment of preinvasive and invasive cervical cancer. Radiation therapy, surgical method, combined and complex treatment of cervical cancer.

Uterine body cancer: epidemiology, etiology, pathogenesis, classification, background and precancerous endometrial diseases, metastasis, clinical manifestations, diagnosis, treatment.

Examination of patients with cervical and body cancer: collection of complaints and medical history of the disease, physical examination, preparation of a survey plan,

determination of indications for additional diagnostic methods, interpretation of the results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation.

2.6. Malignant neoplasms of the skin

Pigmented neoplasms of the skin: definition of the concept, classification.

Pigmented nevi: classification, signs of malignancy.

Melanoma: clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.

Epithelial skin neoplasms: epidemiology, etiology, pathogenesis, classification. Histological types of malignant epithelial neoplasms of the skin, features of their growth, clinical manifestations, diagnosis, differential diagnosis, treatment, prevention.

Examination of patients with skin malignancies: collection of complaints and anamnesis of the disease, physical examination, preparation of a survey plan, determination of indications for additional diagnostic methods, interpretation of the results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation.

2.7. Malignant neoplasms of the salivary glands, lips, tongue, oral mucosa, larynx

Salivary gland neoplasms (benign and malignant): epidemiology, etiology, pathogenesis, classification, clinical manifestations, diagnosis and treatment.

Lip cancer: epidemiology, etiology, pathogenesis, precancerous diseases, clinical manifestations, diagnosis, differential diagnosis, treatment.

Tongue cancer: epidemiology, etiology, pathogenesis, precancerous diseases, clinical manifestations, metastasis, diagnosis, differential diagnosis, treatment.

Oral mucosal cancer: epidemiology, etiology, pathogenesis, clinical manifestations, metastasis, diagnosis, treatment.

Laryngeal cancer: epidemiology, etiology, pathogenesis, clinical manifestations, metastasis, diagnosis, treatment.

Examination of patients with malignant neoplasms of the salivary glands, lips, tongue, oral mucosa, larynx: collection of complaints and anamnesis of the disease, physical examination, preparation of a survey plan, determination of indications for additional diagnostic methods, interpretation of the results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation.

2.8. Malignant neoplasms of the thyroid gland

Malignant neoplasm of the thyroid gland: epidemiology, etiology, pathogenesis, histological forms, clinical manifestations, biological features of various forms, hereditary syndromes, connection with the Chernobyl accident.

Diagnosis of malignant neoplasms of the thyroid gland. Differential diagnosis with benign neoplasms of the thyroid gland. Treatment of malignant neoplasms of the thyroid gland, types of surgical interventions, indications for radioiodine therapy.

Examination of patients with thyroid cancer: collection of complaints and anamnesis of the disease, physical examination, preparation of a survey plan, determination of indications for additional diagnostic methods, interpretation of the

results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation.

2.9. Malignant neoplasms of the lungs and mediastinum

Lung cancer: epidemiology, etiology, pathogenesis, precancerous diseases and risk factors, histological forms, features of growth and metastasis. Clinical manifestations, clinical and radiological forms of lung cancer, paraneoplastic syndromes, diagnosis, differential diagnosis, treatment.

Mediastinal neoplasms: mediastinal topography and classification of mediastinal neoplasms, clinical manifestations, groups of symptoms, diagnosis, differential diagnosis, treatment.

Examination of patients with malignant neoplasms of the lungs and mediastinum: collection of complaints and anamnesis of the disease, physical examination, preparation of a survey plan, determination of indications for additional diagnostic methods, interpretation of the results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation.

2.10. Malignant neoplasms of the breast

Benign breast diseases (neoplasms and dysplasia): classification, clinical manifestations, diagnosis, treatment.

Breast cancer: epidemiology, etiology, pathogenesis, clinical manifestations, clinical forms, metastasis, diagnostic methods.

Early detection, screening and prevention of breast neoplasms. Operations for breast cancer. Combined and complex treatment of breast cancer, reconstructive surgery, medical rehabilitation.

Breast neoplasms in men.

Examination of patients with breast cancer: collection of complaints and anamnesis of the disease, physical examination, preparation of a survey plan, determination of indications for additional diagnostic methods, interpretation of the results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation. Practice practical skills on simulation equipment.

2.11. Malignant neoplasms of the kidneys and bladder, testicles. Prostate cancer

Kidney cancer: epidemiology, pathogenesis, classification, features of growth and metastasis, clinical manifestations, diagnosis, treatment.

Bladder neoplasm: epidemiology, etiology, pathogenesis, precancerous diseases, clinical manifestations, diagnosis, differential diagnosis, treatment.

Testicular malignancies: classification, risk factors, metastasis, clinical manifestations, diagnosis, differential diagnosis, treatment.

Prostate cancer: epidemiology, etiology, pathogenesis, risk factors, precancerous diseases, metastasis, clinical manifestations, treatment. Methods of early diagnosis of the prostate gland.

Examination of patients with neoplasms of the kidneys, bladder, testicles and prostate: collection of complaints and anamnesis of the disease, physical examination, preparation of an examination plan, determination of indications for additional

diagnostic methods, interpretation of the results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation.

2.12. Malignant lymphomas

Malignant lymphoma: definition, epidemiology, etiology and pathogenesis, classification.

Histological forms of Hodgkin's lymphoma, staging, clinical manifestations of lymphogranulomatosis, groups of symptoms. Diagnosis and treatment лимфом of Hodgkin's lymphomas. Long-term results of treatment of Hodgkin's lymphoma.

The main histological forms of non-Hodgkin's lymphomas, clinical manifestations, groups of symptoms, dependence of clinical manifestations on the histological form. Diagnosis and treatment of non-Hodgkin's lymphomas.

Differential diagnosis of lymphadenopathies.

Examination of patients with Hodgkin's lymphoma, non-Hodgkin's lymphoma: collection of complaints and anamnesis of the disease, physical examination, preparation of a survey plan, determination of indications for additional diagnostic methods, interpretation of the results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation.

2.13. Malignant neoplasms of soft tissues, bones, retroperitoneal space

Soft tissue neoplasms: epidemiology, etiology, pathogenesis, classification. Clinical manifestations of benign neoplasms and soft tissue sarcomas, diagnosis, treatment.

Bone neoplasms: epidemiology, etiology, pathogenesis, classification, clinical manifestations, diagnosis, differential diagnosis, treatment.

Neoplasms of the retroperitoneal space: epidemiology, etiology, pathogenesis, classification, clinical manifestations depending on localization, size, histological form, complications, diagnosis, treatment.

Examination of patients with malignant neoplasms of soft tissues, bones, retroperitoneal space: collection of complaints and medical history of the disease, physical examination, preparation of a survey plan, determination of indications for additional diagnostic methods, interpretation of the results of laboratory and instrumental examination methods, formulation of a clinical diagnosis, preparation of a treatment plan. Registration of medical documentation.

EDUCATIONAL DISCIPLINE CURRICULAR CHART

Section, topic #	Section (topic) name	Number of class hours		Supervised student independent work	Literature	Practical skill	Forms of control	
		lectures	practical				of practical skills	of current / intermediate assessment
9 semester								
	Lectures	6	-	-				
1.	Etiology and pathogenesis of neoplasms. Methods of diagnosis and treatment in oncology. Organization of specialized medical care for patients with cancer. Deontology in oncology	1,5	-	-	1-4			
2.	Malignant neoplasms of the esophagus and stomach	1,5	-	-	1-4			
3.	Malignant neoplasms of the breast	1,5	-	-	1-4			
4.	Colorectal cancer	1,5	-	-	1-4			
	Practical exercises	-	36	-				
1.1., 1.2.	Etiology and pathogenesis of neoplasms. Methods of diagnosis and treatment in oncology. Organization of specialized medical care for patients with cancer. Deontology in oncology	-	6	-	1-4	Registration of primary medical records for cancer patients	Filling out forms of primary medical registration documentation for an oncological patient	Survey, testing, solving situational problems
2.1.	Malignant neoplasms of the esophagus and stomach	-	6	-	1-4	1. Physical examination of patients to establish the diagnosis of a malignant neoplasm and assess the spread of the tumor process. 2. Formulation of the	Performing practical skills at the patient's bedside. Solving situational	Survey, testing

						diagnosis of a malignant neoplasm with an indication of the localization, stage, complications of the tumor process and clinical group	problems	
2.2.	Colorectal cancer	-	6	-	1-4	Physical examination of patients to establish the diagnosis of a malignant neoplasm and assess the spread of the tumor process	Performing a practical skill at the patient's bedside	Survey, testing
2.3	Hepatopancreatoduodenal malignancies	-	6	-	1-4	Physical examination of patients to establish the diagnosis of a malignant neoplasm and assess the spread of the tumor process	Performing a practical skill at the patient's bedside	Survey, testing
2.4.	Malignant neoplasms of the ovaries	-	6	-	1-4	1. Physical examination of patients to establish the diagnosis of a malignant neoplasm and assess the spread of the tumor process. 2. Formulation of the diagnosis of a malignant neoplasm with an indication of the localization, stage, complications of the tumor process and the clinical group	Performing practical skills at the patient's bedside. Solving situational problems	Survey, testing*
2.5.	Malignant neoplasms of the cervix and uterine body	-	6	-	1-4	1. Physical examination of patients to establish the diagnosis of a malignant neoplasm and assess the spread of the tumor process. 2. Formulation of the diagnosis of a malignant neoplasm with an indication of	Performing a practical skill at the patient's bedside. Solving situational problems*	Survey, testing

						the localization, stage, complications of the tumor process and clinical group		
	10 semester							
	Lectures	6	-	3				
1.	Malignant neoplasms of the skin	1,5	-	-	1-4			
2.	Malignant neoplasms of the thyroid gland	1,5	-	-	1-4			
3.	Malignant neoplasms of the lungs and mediastinum	1,5	-	-	1-4			
4.	Malignant lymphomas	1,5	-	-				
5.	Malignant neoplasms of the lip, tongue, oral mucosa, larynx	-	-	1,5	1-4			Abstract defense
6.	Ovarian malignancies	-	-	1,5	1-4			Abstract defense
	Practical exercises	-	48	-				
2.6.	Malignant neoplasms of the skin	-	6	-	1-4	1. Physical examination of patients to establish the diagnosis of a malignant neoplasm and assess the spread of the tumor process. 2. Formulation of the diagnosis of a malignant neoplasm with an indication of the localization, stage, complications of the tumor process and the clinical group	Performing practical skills at the patient's bedside. Solving situational problems	Survey, testing
2.7.	Malignant neoplasms of the salivary glands. Malignant neoplasms of the lip, tongue, and oral mucosa. Malignant neoplasm of the larynx	-	6	-	1-4	Physical examination of patients to establish the diagnosis of a malignant neoplasm and assess the spread of the tumor process	Performing a practical skill at the patient's bedside	Survey, testing, solving situational problems
2.8.	Malignant neoplasms of the thyroid gland	-	6	-	1-4	Palpation of the thyroid gland	Performing practical skills at the patient's bedside	Survey, testing, solving situational problems

2.9.	Malignant neoplasms of the lungs and mediastinum	-	6	-	1-4	Physical examination of patients to establish the diagnosis of a malignant neoplasm and assess the spread of the tumor process	Performing a practical skill at the patient's bedside	Survey, testing, solving situational problems
2.10.	Malignant neoplasms of the breast	-	6	-	1-4	Palpation of the breast	Performing a practical skill on simulation equipment*	Survey, testing, solving situational problems
2.11.	Malignant neoplasms of the kidneys and bladder. Malignant neoplasms of the testicles. Prostate cancer	-	6	-	1-4	1. Physical examination of patients to establish the diagnosis of a malignant neoplasm and assess the spread of the tumor process. 2. Formulation of the diagnosis of a malignant neoplasm with an indication of the localization, stage, complications of the tumor process and the clinical group	Performing practical skills at the patient's bedside. Solving situational problems	Survey, testing
2.12.	Malignant lymphomas	-	6	-	1-4	Palpation of peripheral lymph nodes	Performing a practical skill at the patient's bedside*	Survey, testing, solving situational problems
2.13.	Malignant neoplasms of soft tissues and bones. Malignant neoplasms of the retroperitoneal space	-	6	-	1-4	1. Physical examination of patients to establish the diagnosis of a malignant neoplasm and assess the spread of the tumor process. 2. Formulation of the diagnosis of a malignant neoplasm with an indication of the localization, stage, complications of the tumor process and the clinical group	Performing practical skills at the patient's bedside. Solving situational problems	Survey, testing*
Total hours		12	84	3				Examination

* - is a mandatory form of current certification

INFORMATION AND INSTRUCTIONAL UNIT

LITERATURE

Basic:

1. Uglyanitsa, K. N. Course of lectures of Clinical Oncology : manual for students of foreign faculty who are studying in English medium / K. N. Uglyanitsa. – Grodno : GrSMU, 2016. – 328 p.

Additional:

2. Oncology : training manual for the students of the higher medical establishments of the 3-4 level of accreditation / by A. I. Shevchenko [et al]. – Vinnitsa : Nova Knyha, 2020. – 496 p.

3. Starikov, V. I. Oncology : textbook / V. I. Starikov, A. S. Khodak, I. Y. Galaychuk. – Kyiv : AUS Medicine Publishing, 2019. – 216 p.

Electronic courseware for the educational discipline «Oncology»:

4. <https://etest.bsmu.by/mod/page/view.php?id=110315>

METHODOLOGICAL RECOMMENDATIONS FOR THE ORGANIZATION AND PERFORMANCE OF STUDENT INDEPENDENT WORK IN THE ACADEMIC DISCIPLINE

The time allotted for independent work can be used by students on:
preparation for lectures and practical exercises;
preparation for the exam in the academic discipline;
study of topics submitted for independent study;
preparation of thematic reports, abstracts, presentations;
compilation of a thematic selection of literary sources, Internet sources.

METHODOLOGICAL RECOMMENDATIONS FOR THE ORGANIZATION AND PERFORMANCE OF SUPERVISED STUDENT INDEPENDENT WORK IN THE ACADEMIC DISCIPLINE

APPROXIMATE LIST OF TASKS FOR SUPERVISED STUDENT INDEPENDENT WORK:

preparation of thematic reports, abstracts and presentations.

FORMS OF CONTROL OF SUPERVISED STUDENT INDEPENDENT WORK:

abstract defense.

LIST OF AVAILABLE DIAGNOSTIC TOOLS

The following forms of current certification are used to diagnose competencies:
survey;
testing;
abstract protection;
solving situational problems.

LIST OF AVAILABLE TEACHING METHODS

Traditional method;
active (interactive) methods:
PBL (Problem-Based Learning);

TBL (Team-Based Learning);
 CBL (Case-Based Learning);
 RBL (Research-Based Learning);
 training based on simulation technologies.

LIST OF PRACTICAL SKILLS

Name of the practical skill	Form of control of the practical skill
1. Physical examination of patients to establish a diagnosis of a malignant neoplasm and assess the spread of the tumor process	Performing a practical skill at the patient's bedside
2. Formulation of the diagnosis of a malignant neoplasm with an indication of the localization, stage, complications of the tumor process and the clinical group	Solving situational problems
3. Registration of primary medical records for cancer patients	Filling out forms of primary medical registration documentation for an oncological patient
4. Palpation of the breast	Performing a practical skill on simulation equipment
5. Palpation of the thyroid gland	Performing a practical skill at the patient's bedside
6. Palpation of peripheral lymph nodes	Performing a practical skill at the patient's bedside

LIST OF SIMULATION EQUIPMENT USED

1. Simulator for clinical training of breast palpation.

**PROTOCOL OF THE CURRICULUM APPROVAL
BY OTHER DEPARTMENTS**

Name of the academic discipline to be approved	Name of the department	Proposals for changes in the content of the curriculum of the educational institution in the academic discipline	Decision made by the department that developed the curriculum (with the date and number of the protocol)
1. Surgical Diseases	of Surgery and transplantology with a course of advanced training and retraining	No proposals and changes	Protocol # 10a of 12.05.2025
2. Internal Diseases	of Internal diseases, cardiology and rheumatology with a course of advanced training and retraining	No proposals and changes	Protocol # 10a of 12.05.2025
3. Obstetrics and Gynecology	Obstetrics and gynecology with a course of advanced training and retraining	No proposals and changes	Protocol # 10a of 12.05.2025

COMPILERS/AUTHORS:

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M.N. Shapetska

Curriculum content, composition and the accompanying documents comply with the established requirements.

Head of the Office of Educational Activities of the educational institution «Belarusian State Medical University»

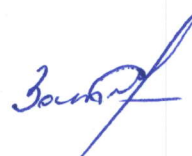
24.06.2025



I.L. Kotovich

Methodologist of the Educational and Methodological Department of the Office of Educational Activities of the educational institution «Belarusian State Medical University»

24.06.2025



S.V. Zaturanova