

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

**Контрольный
экземпляр**

APPROVED

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

S.P.Rubnikovich

26.06.2024

Reg. # UD-0911-01-18/2425/edu.

OUTPATIENT THERAPY

**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 «Outpatient Therapy», approved 26.06.2024, registration # УД-0911-01-18/2425/уч.; on the educational plan in the specialty 1-79 01 01 «General Medicine», approved 15.05.2024, registration # № 7-07-0911-01/2425/mf.

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RECOMMENDED FOR APPROVAL:

by Outpatient Therapy Department of the educational institution «Belarusian State Medical University»
(protocol №15 from 05.03.2024);

by the Scientific and Methodological Council of the educational institution «Belarusian State Medical University»
(protocol № 18 of 26.06.2024)

EXPLANATORY NOTE

«Outpatient Therapy» is an academic discipline of the module «Therapy Module #2», containing systematized scientific knowledge about methods of diagnosis, treatment, prevention of therapeutic diseases, examination of temporary disability, medical examination and rehabilitation of patients in an outpatient setting.

The goal of the academic discipline «Outpatient therapy» is the formation of specialized competence for organizing and providing primary medical care to adults on an outpatient basis, conducting an examination of temporary disability, and providing emergency medical care on an outpatient basis.

The objectives of the discipline «Outpatient therapy» consist of developing students' scientific knowledge about:

- principles of organizing therapeutic medical care for urban and rural populations in outpatient settings and the scope of work of a general practitioner;

- strategies for treating patients with therapeutic diseases in the clinic, including with the involvement of other medical specialists;

- principles of primary and secondary prevention, including medical examination and rehabilitation of patients with major therapeutic diseases;

- skills and abilities required for:

- examinations of patients on an outpatient basis;

- diagnostics and differential diagnosis in outpatient settings of diseases often encountered in the professional activities of a general practitioner;

- formulation of the clinical diagnosis of a therapeutic disease according to current classifications;

- determining medical tactics (indications for hospitalization in a hospital or day care unit, referral for consultation to specialist doctors, for special diagnostic methods);

- drawing up an individual treatment plan for a patient with a therapeutic disease in an outpatient setting;

- conducting an examination of temporary disability;

- preparation of basic medical documentation for a general practitioner;

- carrying out various forms of sanitary and hygienic education of the population;

- provision of emergency medical care on an outpatient basis.

The knowledge, abilities, and skills acquired in the study of the academic discipline «Outpatient therapy» are necessary for the successful study of the following academic disciplines: «Internal Medicine», «Public Health and Healthcare Management», «Infectious Diseases», «Physical Therapy and Medical Rehabilitation», «Emergency Cardiology and other Emergency Conditions».

A student who has mastered the content of the educational material of an academic discipline must have the following specialized competence: organize and provide primary medical care of adults on an outpatient basis, conduct examination of temporary disability, provide emergency medical care prior to hospitalization.

As a result of studying the academic discipline «Outpatient therapy», the student should

know:

goals, objectives, structure and principles of organizing primary therapeutic medical care in outpatient settings in the Republic of Belarus;

goals, objectives, structure and principles of organizing palliative medical care for adults in the Republic of Belarus;

clinical protocols (standards) for examination and treatment of patients with therapeutic diseases at the stages of medical care; methods of treatment and rehabilitation in outpatient settings;

principles of organizing the work of a city clinic and a general practitioner, the content of work, the rights and responsibilities of a general practitioner, principles of interaction and continuity in the work of a general practitioner, medical specialists, health care organizations;

indications for referral for consultation with medical specialists, procedure and indications for hospitalization of patients with therapeutic diseases, principles of providing medical care outside a healthcare organization;

types of temporary disability, rules for issuing, extending certificates of incapacity for work and certificates of temporary disability, functions of certificates of incapacity for work;

structure and functions of the medical advisory commission (MCC), medical rehabilitation expert commission (MREC); criteria for determining disability groups;

types of medical rehabilitation, organization and principles of rehabilitation in outpatient settings;

the main directions of preventive work of a general practitioner, the concept of medical examination of the population and the methodology for its implementation, groups of clinical observation, schemes for medical examination of the adult population, criteria for the effectiveness of medical examination;

general indications and contraindications for spa treatment, the procedure for referring patients for spa treatment;

methods for active detection of tuberculosis and oncological pathology of various localizations;

basic principles of therapy for uncomplicated and complicated diseases of internal organs and concomitant diseases in an outpatient setting; criteria for exacerbation, recovery and remission;

principles and scope of emergency medical care in outpatient settings;

be able to:

conduct a survey, physical examination, identify objective signs of diseases, draw up a plan for examining the patient on an outpatient basis;

interpret the results of laboratory tests and instrumental diagnostic methods, formulate a diagnosis of diseases of human internal organs;

draw up an individual plan for the treatment and prevention of the disease, a program for medical rehabilitation of a patient with therapeutic diseases;

prepare basic medical documentation; write a doctor's prescription for medications used in an outpatient setting;

determine indications for the treatment of patients with therapeutic diseases in inpatient settings;

determine the types and causes of temporary disability of patients with therapeutic diseases, criteria for restoration of working capacity; determine the presence of signs of disability, organize referrals to MREC;

carry out medical examination of the population;

take swabs from the throat and nose for bacteriological examination;

carry out anti-epidemic and preventive measures in the infectious focus;

conduct health education of the population;

provide emergency medical care on an outpatient basis;

master:

methods of questioning, physical examination of the patient, drawing up a rational plan for examination, treatment and prevention of diseases in an outpatient setting, individual program of medical rehabilitation of the patient;

skills in interpreting the results of laboratory and instrumental diagnostic methods, preparing medical documentation, issuing prescriptions;

methods of conducting medical examination of the population, assessing the effectiveness of medical examination;

technique of taking swabs from the throat and nose for bacteriological examination;

methods of conducting various forms of sanitary and hygienic education of the population;

skills in providing emergency medical care in an outpatient setting.

Total number of hours for the study of the discipline is 216 academic hours, of which 96 classroom hours and 120 hours of student independent work. Classroom hours according to the types of studies: lectures – 6 hours (including 3 hours of supervised student independent work (SSIW)), practical classes – 90 hours.

Intermediate assessment is carried out according to the syllabus of the specialty in the form of a credit (8 semester).

Form of higher education – full-time.

**ALLOCATION OF ACADEMIC TIME
ACCORDING TO SEMESTERS OF STUDY**

Code, name specialties	semester	Number of training hours					out-of-class self-studies	Form of intermediate assessment
		total	in-class	of them				
				lectures	supervised student independent work	practical classes		
1-79 01 01 «General Medicine»	7	108	54	3	3	48	54	-
	8	108	42	-	-	42	66	credit
		216	96	3	3	90	120	

THEMATIC PLAN

Name of section (topic)	Number of classroom hours	
	lectures (including SSIW)	practical
1. Organization of medical care on an outpatient basis in the Republic of Belarus	3	12
1.1. The main sections of the professional activity of a general practitioner and his team. Basic medical documentation	-	6
1.2. Examination of temporary disability. Functions of the medical advisory commission. The concept of a medical rehabilitation expert commission	-	6
1.3. Preventive work of a general practitioner	3	-
2. Providing emergency medical care on an outpatient basis	3	-
3. Outpatient aspects of diagnosis and treatment of major diseases of internal organs	-	78
3.1. Acute respiratory infections, acute tonsillitis (tonsillitis). Emergency medical care for hyperthermia	-	6
3.2. Acute bronchitis and pneumonia	-	6
3.3. Chronic obstructive pulmonary disease and bronchial asthma. Emergency medical care for an attack of	-	6

Name of section (topic)	Number of classroom hours	
	lectures (including SSIW)	practical
bronchial asthma. Differential diagnosis of broncho-obstructive syndrome		
3.4. Primary and secondary arterial hypertension, somatoform dysfunction of the autonomic nervous system (neurocirculatory dystonia). Emergency medical care for hypertensive crisis	-	6
3.5. Ischemic heart disease. Angina pectoris, rhythm and conduction disturbances. Emergency medical care for angina attack, acute coronary syndrome, cardiac asthma attack, pulmonary edema, acute rhythm disturbances	-	6
3.6. Non-coronary heart diseases. Differential diagnosis of chest pain	-	6
3.7. Functional dyspepsia, chronic gastritis, gastroesophageal reflux disease, peptic ulcer of the stomach and duodenum. Emergency medical care for suspected gastrointestinal bleeding	-	6
3.8. Chronic cholecystitis, functional biliary disorders, chronic pancreatitis. Emergency medical care for hepatic colic	-	6
3.9. Non-infectious inflammatory bowel diseases, irritable bowel syndrome. Differential diagnosis of dyspeptic syndrome and abdominal pain syndrome	-	6
3.10. Chronic hepatitis and cirrhosis of the liver. Differential diagnosis of jaundice, hepato-splenomegaly	-	6
3.11. Chronic pyelonephritis, chronic glomerulonephritis, chronic kidney disease. Emergency medical care for renal colic. Differential diagnosis of urinary syndrome	-	6
3.12. Iron deficiency anemia, vitamin B ₁₂ deficiency anemia and folate deficiency anemia. Differential diagnosis of anemic syndrome	-	6
3.13. Therapeutic aspects of management of patients with type 2 diabetes mellitus, prevention of complications. Diabetic (hyperglycemic and hypoglycemic) comas. Differential diagnosis of conditions accompanied by loss of consciousness (fainting, collapse)	-	6
Total hours	6	90

CONTENT OF THE EDUCATIONAL MATERIAL

1. Organization of medical care on an outpatient basis in the Republic of Belarus

1.1. The main sections of the professional activity of a general practitioner and his team. Basic medical documentation

Organization of therapeutic medical care on an outpatient basis in the Republic of Belarus. General practitioner's office. General practitioner team.

Rights and responsibilities of a general practitioner. Rules of medical ethics and deontology. The main sections of the work of a general practitioner.

Treatment and diagnostic work of a general practitioner. Organization of medical care at home. The procedure for referring patients for paraclinical studies. Indications for referring patients for hospitalization to a hospital organization and to the day care department of a polyclinic, for consultation at a diagnostic center, to specialist doctors, for sanatorium-resort treatment.

Medical rehabilitation in the work of a general practitioner. General indications and contraindications for referral to sanatorium-resort treatment.

The main directions of preventive work of a general practitioner. The concept of medical examination of the population and the methodology for its implementation. Clinical observation groups, medical examination schemes for the adult population. Criteria for the effectiveness of clinical examination.

Organization of palliative medical care for adults in the Republic of Belarus. Principles and objectives of palliative care. Palliative care options: short-term and long-term. Palliative care services. Criteria and procedure for referring patients for palliative care. Indications and contraindications for hospitalization in the state institution «Hospice Palliative Care Hospital». Observation groups for patients admitted to hospice care.

Continuity in the work of a general practitioner with medical specialists.

Basic medical documentation of approved forms. The procedure for issuing prescriptions for medicines for various categories of patients.

1.2. Examination of temporary disability. Functions of the medical advisory commission. The concept of a medical rehabilitation expert commission

The concept of examination of temporary disability.

Temporary disability and its types. Documents certifying temporary incapacity for work (certificate of incapacity for work and certificate of temporary incapacity for work). Functions of a certificate of incapacity for work. General rules for issuing and extending certificates of incapacity for work and certificates of temporary incapacity for work in healthcare institutions. Violations of the prescribed regime during temporary disability.

Composition and functions of the medical advisory commission.

Persistent disability, disability groups.

Structure, types and main functions of the medical and rehabilitation expert commission (MREC). Indications and procedure for referring patients to MREC.

1.3. Preventive work of a general practitioner

Medical prevention: concept, types. Main sections of preventive work. The concept of health, a healthy lifestyle and its criteria. Sufficient physical activity and balanced nutrition are the basis of a healthy lifestyle. The concept of a disease risk factor, risk factor assessment.

The concept of medical examination as the main method of preventive work. Preventive examinations of the population, their types. Goals of medical examination. Clinical observation groups. Medical examination scheme for the adult population. Medical observation of patients with therapeutic diseases in an outpatient setting. Criteria for the effectiveness of clinical examination.

Prevention of acute rheumatic fever.

Prevention of coronary heart disease (CHD), medical monitoring of patients with various forms of CHD in an outpatient setting.

Prevention of arterial hypertension, medical supervision of a patient with arterial hypertension in an outpatient setting.

Prevention of chronic gastritis and peptic ulcers, medical supervision of a patient with peptic ulcers on an outpatient basis.

2. Providing emergency medical care on an outpatient basis

The concept of emergency medical care. Features of emergency medical care at the clinic and at home. Medical tactics in emergency conditions. Indications and procedure for referral to a hospital organization.

Emergency medical care for a hyperthermic febrile reaction, for an attack of bronchial asthma, for an attack of cardiac asthma and pulmonary edema, for an anginal attack and acute coronary syndrome, for acute arrhythmias (paroxysm of supraventricular and ventricular tachycardia, paroxysm of atrial fibrillation, Morgagni-Edams-Stokes attack), with hypertensive crisis, with gastrointestinal bleeding, with hepatic and renal colic.

3. Outpatient aspects of diagnosis and treatment of major diseases of internal organs

3.1. Acute respiratory infections, acute tonsillitis (tonsillitis). Emergency medical care for hyperthermia

The concept of acute respiratory infections (ARI). Etiology and clinical picture of ARI caused by the most common pathogens. Complications of ARI. Examination plan for a patient with ARI, formulation of the diagnosis. Treatment of ARI, indications for antibiotic therapy, indications for hospitalization. Examination of temporary disability in case of ARI. Ensuring epidemiological safety when providing medical care. Prevention of ARI.

Acute tonsillitis (tonsillitis): definition of the concept, etiology, pathogenesis, classification, clinical picture, complications. Examination plan for a patient with acute tonsillitis, medical tactics. Differential diagnosis of tonsillitis. Formulation of diagnosis, treatment, indications for hospitalization. Examination of temporary disability. Prevention of acute tonsillitis.

Emergency medical care for hyperthermia on an outpatient basis.

3.2. Acute bronchitis and pneumonia

Definitions of acute bronchitis and pneumonia, etiology and clinical picture. Plan of examination of a patient with acute bronchitis and pneumonia on an outpatient basis, formulation of the diagnosis, indications for hospitalization. Outpatient treatment, indications for antibacterial therapy for acute bronchitis.

Complications of acute bronchitis and pneumonia, examination of temporary disability in acute bronchitis and pneumonia. Prevention of acute bronchitis and pneumonia. Medical supervision of patients who have had pneumonia.

3.3. Chronic obstructive pulmonary disease and bronchial asthma. Emergency medical care for an attack of bronchial asthma. Differential diagnosis of broncho-obstructive syndrome

Risk factors for the development of bronchial asthma and chronic obstructive pulmonary disease (COPD). Classification of bronchial asthma and COPD. Plan of examination of a patient with bronchial asthma and COPD in an outpatient setting, formulation of the diagnosis, indications for hospitalization. General principles of treatment of bronchial asthma and COPD in an outpatient setting, examination of temporary disability, indications for referral to MREC. Medical observation of patients with bronchial asthma and COPD in an outpatient setting. Prevention of bronchial asthma and COPD.

Emergency medical care for an attack of bronchial asthma on an outpatient basis.

The concept of broncho-obstructive syndrome, the main diseases accompanied by the syndrome, a diagnostic search algorithm.

3.4. Primary and secondary arterial hypertension, somatoform dysfunction of the autonomic nervous system (neurocirculatory dystonia). Emergency medical care for hypertensive crisis

Arterial hypertension: definition of the concept, classification.

Plan for examination of patients with arterial hypertension in outpatient settings. Differential diagnosis of primary arterial hypertension and various forms of secondary hypertension. Basic principles of treatment of arterial hypertension, indications for hospitalization of patients.

Hypertensive crises, their types. Emergency medical care for hypertensive crisis on an outpatient basis.

Examination of temporary disability in arterial hypertension and crises, indications for referral to MREC. Medical observation of patients with primary arterial hypertension in an outpatient setting. Prevention of arterial hypertension.

Somatoform dysfunction of the autonomic nervous system (neurocirculatory dystonia): definition of the concept, classification, principles of diagnosis and treatment.

3.5. Ischemic heart disease. Angina pectoris, rhythm and conduction disturbances. Emergency medical care for angina attack, acute coronary syndrome, cardiac asthma attack, pulmonary edema, acute rhythm disturbances

The concept of coronary heart disease, risk factors, classification.

Angina: types of angina, plan for examining the patient on an outpatient basis, differential diagnosis. Medical tactics for stable and unstable angina, indications for

hospitalization. Treatment of patients with angina pectoris on an outpatient basis, examination of temporary disability, indications for referral to MREC. Medical observation of patients with angina in an outpatient setting. Prevention of angina pectoris.

Rhythm and conduction disturbances, classification, patient examination plan in outpatient settings, differential diagnostics, indications for hospitalization. Prevention of rhythm and conduction disturbances.

Emergency medical care for an attack of angina pectoris, acute coronary syndrome, an attack of cardiac asthma, pulmonary edema, acute rhythm disturbances (paroxysm of supraventricular and ventricular tachycardia, paroxysm of atrial fibrillation, Morgagni-Adams-Stokes attack) in outpatient settings

3.6. Non-coronary heart diseases. Differential diagnosis of chest pain

Non-coronary heart diseases (myocarditis, pericarditis, primary and secondary cardiomyopathies, acute rheumatic fever and chronic rheumatic heart disease): risk factors for development, a plan for examining patients in an outpatient setting, diagnostic criteria, indications for hospitalization. General principles of treatment of patients with non-coronary heart disease in an outpatient setting. Examination of temporary disability, indications for referral to MREC. Medical observation of patients with non-coronary heart diseases in an outpatient setting.

Primary and secondary prevention of non-coronary heart diseases.

Major diseases and pathological conditions manifested by chest pain, similar to heart pain (cardialgia).

Features of pain syndrome in heart diseases (ischemic heart disease, pericarditis, myocarditis, cardiomyopathies), with somatoform dysfunction of the autonomic nervous system (neurocirculatory dystonia), diagnostic search algorithm, differential diagnosis.

Features of chest pain caused by extracardiac diseases (abdominal organs, lungs and pleura, mediastinum, spine, peripheral nervous system and shoulder girdle muscles), differential diagnosis with heart diseases.

3.7. Functional dyspepsia, chronic gastritis, gastroesophageal reflux disease, peptic ulcer of the stomach and duodenum. Emergency medical care for suspected gastrointestinal bleeding

Definition of the concept of functional dyspepsia, chronic gastritis, gastroesophageal reflux disease, peptic ulcer, classification, plan for examining patients in an outpatient setting, indications for hospitalization.

Basic principles of treatment of patients with functional dyspepsia, chronic gastritis, gastroesophageal reflux disease and peptic ulcer, examination of temporary disability.

Medical observation of a patient with peptic ulcer in an outpatient setting. Prevention of chronic gastritis, gastroesophageal reflux disease and peptic ulcers.

Emergency medical care in an outpatient setting for suspected gastrointestinal bleeding.

3.8. Chronic cholecystitis, functional biliary disorders, chronic pancreatitis. Emergency medical care for hepatic colic

Chronic cholecystitis, functional biliary disorders (gallbladder dysfunction and sphincter of Oddi dysfunction), chronic pancreatitis: patient examination plan, differential diagnosis. Outpatient treatment, indications for patient consultation with a surgeon, examination of temporary disability.

Medical observation of patients with diseases of the gallbladder, biliary tract and pancreas on an outpatient basis.

Prevention of diseases of the gallbladder, biliary tract and pancreas.

Emergency medical care for hepatic colic on an outpatient basis, medical tactics.

3.9. Non-infectious inflammatory bowel diseases, irritable bowel syndrome. Differential diagnosis of dyspeptic syndrome and abdominal pain syndrome

Non-infectious inflammatory bowel diseases (ulcerative colitis, Crohn's disease): outpatient examination plan, diagnostic criteria, complications, treatment principles, indications for hospitalization, prevention.

Irritable bowel syndrome: diagnostic criteria, general principles of treatment and rehabilitation of patients, prevention.

The concept of dyspeptic syndrome, the main diseases accompanied by dyspeptic syndrome, a plan for examining the patient on an outpatient basis.

Causes and types of abdominal pain, their pathogenesis. The concept of acute and chronic abdominal pain, the range of diseases that cause abdominal pain.

Malabsorption, maldigestion and malnutrition: concepts, pathogenesis. Differential diagnosis of the level of intestinal damage (small, thick).

General principles of diagnosis and differential diagnosis of diseases accompanied by abdominal pain and dyspeptic syndrome, symptomatic treatment (indications for the use of prokinetics, antispasmodics, laxatives and antidiarrheal drugs).

Emergency medical care and medical tactics in an outpatient setting for acute abdominal pain.

3.10. Chronic hepatitis and cirrhosis of the liver. Differential diagnosis of jaundice, hepato-splenomegaly

Chronic hepatitis and cirrhosis of the liver: patient examination plan, differential diagnosis, general principles of treatment in an outpatient setting, medical tactics, examination of temporary disability, indications for referral to MREC.

Risk factors for the development of liver diseases. Prevention of liver diseases.

Jaundice: concept, classification, causes.

Hepatomegaly, splenomegaly, hypersplenism: concept, causes; diseases accompanied by hepato- and/or splenomegaly, differential diagnosis.

Clinical and laboratory syndromes of liver damage (cytolysis, mesenchymal inflammation, cholestasis, hepatocellular failure), clinical significance.

3.11. Chronic pyelonephritis, chronic glomerulonephritis, chronic kidney disease. Emergency medical care for renal colic. Differential diagnosis of urinary syndrome

Chronic pyelonephritis, chronic glomerulonephritis: patient examination plan, differential diagnosis, general principles of treatment on an outpatient basis, indications for hospitalization, medical tactics, examination of temporary disability, indications for referral to MREC.

Medical supervision of patients with chronic pyelonephritis, chronic glomerulonephritis on an outpatient basis.

Prevention of chronic pyelonephritis, chronic glomerulonephritis.

Chronic kidney disease: definition, classification, principles of diagnosis.

The concept of urinary syndrome, its features in pyelonephritis, glomerulonephritis, urolithiasis, urethritis, cystitis, urinary tract tumors, nephropathies.

Methods for diagnosing kidney diseases in an outpatient setting, a diagnostic search algorithm for urinary syndrome.

Emergency medical care for an attack of renal colic on an outpatient basis, medical tactics.

3.12. Iron deficiency anemia, vitamin B₁₂ deficiency anemia and folate deficiency anemia. Differential diagnosis of anemic syndrome

Iron deficiency anemia: causes, features of clinical and laboratory manifestations, medical tactics, examination plan, outpatient treatment, medical rehabilitation, examination of temporary disability, prevention.

B₁₂- and folate-deficiency anemia: causes, features of clinical and laboratory manifestations. Differential diagnosis, outpatient examination plan, medical tactics, treatment, medical rehabilitation, examination of temporary disability, prevention of anemia.

Definition of anemia syndrome, classification of anemia by pathogenesis (posthemorrhagic, dyserythropoietic, hemolytic), by color indicator, size and volume of red blood cells, hemoglobin saturation, regenerative capacity of bone marrow.

Diagnostic search algorithm for anemic syndrome.

Differential diagnosis of hypochromic anemia (iron deficiency and iron saturation).

Differential diagnosis of hyperchromic anemia (B₁₂- and folate deficiency).

Differential diagnosis of normochromic anemia (hypo- and aplastic, hemolytic).

3.13. Therapeutic aspects of management of patients with type 2 diabetes mellitus, prevention of complications. Diabetic (hyperglycemic and hypoglycemic) comas. Differential diagnosis of conditions accompanied by loss of consciousness (fainting, collapse)

Diabetes mellitus type 2: risk factors for developing the disease, scales for screening for carbohydrate metabolism disorders, diagnostic principles.

Treatment of type 2 diabetes mellitus in an outpatient setting: lifestyle modification, prescription of hypoglycemic agents, correction of associated conditions. Drugs for hypoglycemic therapy (biguanides, sulfonylurea derivatives,

thiazolidinediones, glucose absorption inhibitors, meglitinides, incretin-modifying drugs) and their differentiated purposes. Indications for insulin therapy.

Examination of temporary disability, indications for referral to MREC, prevention of complications of type 2 diabetes mellitus.

Comatose states caused by diabetes mellitus - diabetic (hyperglycemic and hypoglycemic) comas: causes, pathogenesis, clinical picture, diagnosis, differential diagnosis, treatment. Prevention of comatose states.

Conditions accompanied by loss of consciousness: fainting, collapse. Differential diagnosis of conditions accompanied by loss of consciousness. The sequence and features of a physical examination of an unconscious patient, interviewing eyewitnesses.

Emergency medical care for fainting, collapse, medical tactics.

ACADEMIC DISCIPLINE CURRICULAR CHART OF THE EDUCATIONAL DISCIPLINE «OUTPATIENT THERAPY»

Section, topic #	Section (topic) name	Number of hours		Supervised student independent work	Practical skill	Forms of control	
		lectures	practical			of practical skill	of current / intermediate assessment
7th semester							
	Lectures	3	-	3			
1.3	Preventive work of a general practitioner	1,5	-	1,5			Control work, testing
2	Providing emergency medical care on an outpatient basis	1,5	-	1,5			Control work, testing
	Practical lessons		48				
1.1	The main sections of the professional activity of a general practitioner and his team. Basic medical documentation	-	6	-	1.Registration of a patient's medical record for outpatient clinics 2.Issuing and processing prescriptions for medications used in outpatient settings	1. Design on a sample form* 2. Issuing a doctor's prescription on educational sample forms	Express survey during a practical lesson, electronic test
1.2	Examination of temporary disability. Functions of the medical advisory commission. The concept of a medical rehabilitation expert commission	-	6	-	1.Registration of a certificate of incapacity for work	Registration on a sample form	Survey, test*

3.1	Acute respiratory infections, acute tonsillitis (tonsillitis). Emergency medical care for hyperthermia	-	6	-	<ol style="list-style-type: none"> 1. Questioning and physical examination of the patient 2. Drawing up a plan for examining the patient in an outpatient setting and interpreting the results of laboratory and instrumental studies (LIS) 3. Formulation of diagnosis according to current classifications 4. Drawing up an individual treatment plan 5. Taking swabs from the throat and nose for bacteriological examination 6. Emergency medical care for hyperthermia on an outpatient basis 	Performing practical skills at a general practitioner's appointment, solving situational problems	Survey, assessment based on a business game, solving situational problems
3.2	Acute bronchitis and pneumonia	-	6	-	<ol style="list-style-type: none"> 1. Questioning, physical examination of the patient 2. Drawing up a plan for examining the patient in an outpatient setting and interpreting the results of LIS. 3. Formulation of the diagnosis according to current classifications. 4. Drawing up an individual treatment plan 	Performing practical skills at a general practitioner's appointment, solving situational problems	Survey, assessment based on the case method, solving situational problems
3.3	Chronic obstructive pulmonary disease and bronchial asthma. Emergency medical care for an attack of bronchial asthma. Differential diagnosis of broncho-obstructive syndrome	-	6	-	<ol style="list-style-type: none"> 1. Questioning and physical examination of the patient 2. Drawing up a survey plan in an outpatient setting and interpretation of LIS results 	Performing practical skills at a general practitioner's appointment,	Test work, electronic test, solving situational problems

					3. Formulation of diagnosis according to current classifications 4. Drawing up an individual treatment plan 5. Providing emergency medical care on an outpatient basis during an attack of bronchial asthma and developing status asthmaticus	solving situational problems	
3.4	Primary and secondary arterial hypertension, somatoform dysfunction of the autonomic nervous system (neurocirculatory dystonia). Emergency medical care for hypertensive crisis	-	6	-	1. Questioning, physical examination of the patient 2. Drawing up a plan for examining the patient in an outpatient setting and interpreting the results of LIS 3. Formulation of diagnosis according to current classifications 4. Drawing up an individual treatment plan 5. Providing emergency medical care on an outpatient basis during a hypertensive crisis	Performing practical skills at a general practitioner's appointment, solving situational problems	Assessment based on a business game, electronic test, solving situational problems
3.5	Ischemic heart disease. Angina pectoris, rhythm and conduction disturbances. Emergency medical care for angina attack, acute coronary syndrome, cardiac asthma attack, pulmonary edema, acute rhythm disturbances	-	6	-	1. Questioning, physical examination of the patient 2. Drawing up a plan for examining the patient in outpatient conditions and interpretation of LIS results 3. Formulation of the diagnosis according to current classifications.	Performing practical skills at a general practitioner's appointment, solving situational problems	Survey, electronic test, solving situational problems

					4.Drawing up an individual treatment plan 5.Providing emergency medical care on an outpatient basis for an angina attack, acute coronary syndrome, cardiac asthma attack, pulmonary edema, acute rhythm disturbances		
3.6	Non-coronary heart diseases. Differential diagnosis of chest pain	-	6	-	1. Questioning, physical examination of the patient 2. Drawing up a plan for examining the patient in an outpatient setting and interpreting the results of LIS 3.Formulation of diagnosis according to current classifications 4.Drawing up an individual treatment plan	Performing practical skills at a general practitioner's appointment, solving situational problems	Assessment based on a business game, electronic test, solving situational problems. Credit
8th semester							
	Practical lessons	-	42	-			
3.7	Functional dyspepsia, chronic gastritis, gastroesophageal reflux disease, peptic ulcer of the stomach and duodenum. Emergency medical care for suspected gastrointestinal bleeding	-	6	-	1. Questioning, physical examination of the patient 2.Drawing up a patient examination plan in an outpatient setting and interpretation of LIS results 3.Formulation of diagnosis according to current classifications 4.Drawing up an individual treatment plan 5.Providing emergency	Performing practical skills at a general practitioner's appointment, solving situational problems	Survey, electronic test, solving situational problems

					medical care on an outpatient basis for gastrointestinal bleeding		
3.8	Chronic cholecystitis, functional biliary disorders, chronic pancreatitis. Emergency medical care for hepatic colic	-	6	-	1. Questioning, physical examination of the patient 2. Drawing up a plan for examining the patient in an outpatient setting and interpreting the results of LIS 3. Formulation of diagnosis according to current classifications 4. Drawing up an individual treatment plan 5. Providing emergency medical care on an outpatient basis for hepatic colic	Performing practical skills at a general practitioner's appointment, solving situational problems	Assessment based on the case method, electronic test, solving situational problems
3.9	Non-infectious inflammatory diseases of intestines, irritable bowel syndrome. Differential diagnosis of dyspeptic syndrome and abdominal pain syndrome	-	6	-	1. Questioning, physical examination of the patient 2. Drawing up a plan for examining the patient in an outpatient setting and interpreting the results of LIS 3. Formulation of diagnosis according to current classifications 4. Drawing up an individual treatment plan	Performing practical skills at a general practitioner's appointment, solving situational problems	Survey, electronic test, solving situational problems
3.10	Chronic hepatitis and cirrhosis of the liver. Differential diagnosis of jaundice, hepatosplenomegaly	-	6	-	1. Questioning, physical examination of the patient 2. Drawing up a plan for examining the patient in an outpatient setting and interpreting the results of LIS 3. Formulation of diagnosis	Performing practical skills at a general practitioner's appointment, solving situational problems	Assessment based on a business game, electronic test, solving situational problems

					according to current classifications 4.Drawing up an individual treatment plan	problems*	
3.11	Chronic pyelonephritis, chronic glomerulonephritis, chronic kidney disease. Emergency medical care for renal colic. Differential diagnosis of urinary syndrome	-	6	-	1. Questioning, physical examination of the patient 2.Drawing up a plan for examining the patient in an outpatient setting and interpreting the results of LIS 3.Formulation of diagnosis according to current classifications 4.Drawing up an individual treatment plan. 5.Emergency medical care for renal colic on an outpatient basis	Performing practical skills at a general practitioner's appointment, solving situational problems	Survey, electronic test, solving situational problems
3.12.	Iron deficiency anemia, vitamin B12 deficiency anemia and folate deficiency anemia. Differential diagnosis of anemic syndrome	-	6	-	1. Questioning, physical examination of the patient 2.Drawing up a plan for examining the patient in an outpatient setting and interpreting the results of LIS 3.Formulation of diagnosis according to current classifications 4.Drawing up an individual treatment plan	Performing practical skills at a general practitioner's appointment, solving situational problems	Survey, electronic test, solving situational problems
3.13.	Therapeutic aspects of management of patients with type 2 diabetes mellitus, prevention of complications. Diabetic (hyperglycemic and hypoglycemic) comas. Differential diagnosis of conditions accompanied by loss of consciousness	-	6	-	1. Questioning, physical examination of the patient 2.Drawing up a plan for examining the patient in an outpatient setting and	Performing practical skills at a general practitioner's appointment,	Test work, essay defense, electronic test* Credit

(fainting, collapse)		21		interpreting the results of LIS 3. Formulation of diagnosis according to current classifications 4. Drawing up an individual treatment plan	solving situational problems
	6	90	3		

*Mandatory form of current certification

INFORMATION AND INSTRUCTIONAL UNIT

LITERATURE

Basic:

1. Янковская, Л. В. Поликлиническая терапия = Outpatient therapy : пособие для студентов учреждений высш. образования, обучающихся на англ. яз. по спец. 1-79 01 01 «Лечебное дело». – 3-е изд. – Гродно : ГрГМУ, 2019. – 180 с.

Additional:

2. Янковская, Л. В. Поликлиническая терапия : пособие для студентов учреждений высшего образования, обучающихся на английском языке по специальности 1-79 01 01 «Лечебное дело»= Outpatient therapy. – 2-е изд. – Гродно : ГрГМУ, 2018. – 180 с.

3. Алексеева, Е. С. Нефротический синдром в амбулаторной практике = Nephrotic syndrome in outpatient practice : учеб.-метод. пособие. – Минск : БГМУ, 2019. – 26 с.

4. Дрощенко, В. В. Острые респираторные инфекции в амбулаторной практике = Acute respiratory tract infections in outpatient practice. – Минск : БГМУ, 2019. - 56 с.

5. Яковлева, Е. В. Оформление медицинской карты амбулаторного больного = Filling in outpatient medical card : учеб.-метод. пособие – Минск : БГМУ , 2016. – 24 с.

6. Янковская, Л. В. Поликлиническая терапия: = Outpatient therapy: пособие для студентов 4 курса иностр. учащихся. - Гродно : ГрГМУ, 2016 - 180с.

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

The time allocated for independent work can be used by students to:

- preparation for lectures and practical classes;
- preparation for tests in an academic discipline;
- studying issues submitted for independent study;
- solving situational problems;
- performing research and creative tasks;
- preparation of thematic reports, abstracts, presentations;
- performing practical tasks;
- taking notes of educational literature;
- compiling a review of scientific literature on a given topic;
- design of information and demonstration materials (stands, posters, graphs, tables, newspapers, etc.);
- compiling a thematic selection of literary sources and Internet sources;
- compiling tests for students to organize mutual control.

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

The main forms of organizing supervised independent work:
 writing and presentation of an abstract;
 giving a report;
 studying topics and problems that are not covered in lectures;
 taking notes from primary sources (monographs, textbooks);
 computer testing;
 compiling tests for students to organize mutual control;
 production of didactic materials;
 preparation and participation in active forms of learning.

LIST OF AVAILABLE DIAGNOSTIC TOOLS

The following forms are used for competence assessment:
 contral work;
 test;
 electronic test;
 express survey during a practical lesson;
 survey;
 defense of the abstract;
 solving situational problems;
 assessment based on the case method;
 assessment based on a business game.

LIST OF AVAILABLE TEACHING METHODS

Linear (traditional) method;
 Active (interactive) methods:
 Problem-based learning (PBL);
 Team-based learning (TBL);
 Case-Based Learning (CBL);
 Research-Based Learning (RBL);
 training based on simulation technologies.

LIST OF PRACTICAL SKILLS

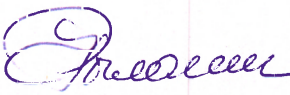
Name of practical skill	Practical skill control form
1. Questioning and physical examination of the patient	Performing practical skills at a general practitioner's appointment, solving situational problems
2. Drawing up a plan for examining a patient with therapeutic diseases on an outpatient basis and interpreting the results of laboratory and instrumental	Performing practical skills at a general practitioner's appointment, solving situational problems

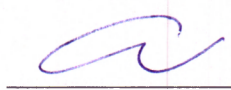
studies	
3. Formulation of the diagnosis of a therapeutic disease according to current classifications	Performing practical skills at a general practitioner's appointment, solving situational problems
4. Drawing up an individual treatment plan for a patient with a therapeutic disease	Performing practical skills at a general practitioner's appointment, solving situational problems
5. Issuing and processing prescriptions for medications used in outpatient settings	Issuing a doctor's prescription on educational forms
6. Taking swabs from the throat and nose for bacteriological examination	Performing a practical skill at a general practitioner's appointment
7. Registration of a patient's medical record for outpatient clinics	Design on a training sample form
8. Registration of a certificate of incapacity for work	Design on a training sample form
9. Providing emergency medical care for a hyperthermic febrile reaction, for an attack of bronchial asthma, for an attack of cardiac asthma and pulmonary edema, for an anginal attack and acute coronary syndrome, for acute arrhythmias (paroxysm of supraventricular and ventricular tachycardia, paroxysm of atrial fibrillation, Morgagni-Adams-Stokes attack), with hypertensive crisis, with gastrointestinal bleeding, with hepatic and renal colic	Performing practical skills at a general practitioner's appointment, solving situational problems

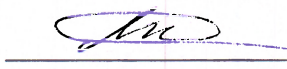
PROTOCOL OF CURRICULUM APPROVAL

Name of the academic discipline for which approval is required	Department	Proposals for changes in the content of the curriculum of an educational institution in an academic discipline	The decision made by the department that developed the curriculum (indicating the date and protocol number)
1. Internal diseases	1 st Internal diseases 2 nd Internal diseases Department of Cardiology and Internal Diseases	no offers	protocol № 15 from 05.03.2024 protocol № 15 from 05.03.2024 protocol № 15 from 05.03.2024
2. Public Health and Healthcare	Department of Public Health and Healthcare	no offers	protocol № 15 from 05.03.2024
3. Infectious diseases	Department of Infectious diseases	no offers	protocol № 15 from 05.03.2024
4. Medical Rehabilitation and Physiotherapy	The Department of Medical Rehabilitation and Physiotherapy	no offers	protocol № 15 from 05.03.2024
5. Emergency cardiology and other medical emergencies	Department of Cardiology and Internal Diseases	no offers	protocol № 15 from 05.03.2024


COMPILERS/AUTHORS:

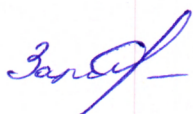
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Curriculum content, composition and accompanying documents comply with established requirements

Dean of the Medical Faculty for International Students of the educational institution «Belarusian State Medical University»  O.S. Ishutin
24.06. 2024

Methodologist of the educational institution «Belarusian State Medical University»  S.V. Zaturanova
24.06. 2024