

AMENDMENTS AND CHANGES TO THE CURRICULUM IN THE EDUCATIONAL DISCIPLINE
«PROPEDEUTICS OF INTERNAL DISEASES»
for the specialty 1-79-01 01 «GENERAL MEDICINE»
in 2020-2021 academic year

Amendments and changes	Basis/Reason
1. Changes have been introduced into the thematic plan and educational discipline curricular chart (Appendix 1)	Educational Plan for 2020/2021 academic year
2. The literature has been updated according to «The list of literature recommended for 2020-2021 academic year» (Appendix 2)	Meetings of Scientific-methodological council 29.05.2020, protocol No 9

The curriculum is revised and approved at the department meeting (Propedeutics of Internal Diseases Department)
 Protocol #14 of 29.06.2020

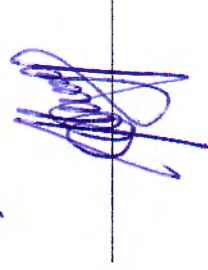
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THEMATIC PLAN
IN THE EDUCATIONAL DISCIPLINE «PROPEDEUTICS OF INTERNAL DISEASES»

Name of section (topic)	The number of training session hours	
	Lectures	Practical classes
4 term		
1. General Propaedeutic (semiology)	26	82
1.1. Introduction. Short history of the development of the science of internal diseases. Medical Ethics and Deontology. The order of therapeutic department functioning in hospital. Scheme of Case History.	2	2
1.2. Examination methods of patients in Internal Medicine	2	2
1.3. Subjective examination method	2	2
1.4. General inspection of the patient in Internal Medicine. Examination of certain parts of human body.	2	-
1.5. Objective examination methods in Internal Medicine (palpation, percussion, auscultation)	2	2
1.6. Laboratory examination methods in Internal Medicine. Laboratory examinations of patient in case of internal diseases. Methods of laboratory tests: complete blood count and biochemical blood test; urinalysis, examinations of sputum and pleural fluid.	2	4
1.7. Instrumental diagnostic tests in Internal Medicine	2	-
1.8. Clinical basics of Electrocardiogram. Technique of ECG recording and algorithm of normal ECG interpretation	2	4
5 term		
1.9. Examination of the patients with respiratory diseases. Subjective examination of patients with respiratory diseases (inquiry). Objective examination of patients with respiratory diseases: general inspection, visual examination and palpation of the chest.	-	3,5
1.10. Objective examination of patients with respiratory diseases: percussion and auscultation of lungs. Laboratory and instrumental tests in respiratory diseases.	1	3,5
1.11. Main clinical syndromes in case of respiratory diseases	1	3,5
1.12. Assessment of patients of patients with respiratory diseases.	-	3,5
1.13. Examination of the patients with cardiovascular diseases. Subjective examination of the patients with cardiovascular diseases (inquiry). Objective examination: general survey, inspection of the heart area and peripheral vessels area, palpation of the heart area, examination of the arterial and venous pulse. Blood pressure measurement. Percussion of the heart.	-	3,5
1.14. Objective examination of patients with cardiovascular diseases: auscultation of the heart. Laboratory and	1	3,5

instrumental tests in cardiovascular diseases.			
1.15. Main clinical syndromes in cardiovascular diseases.	1		3,5
1.16. Technique of ECG recording and algorithm of normal ECG interpretation	-		3,5
1.17. Clinical and electrocardiographic signs of the hypertrophy of atria and ventricles.	-		3,5
1.18. Clinical and electrocardiographic signs of cardiac arrhythmias and conduction disorders.	-		3,5
1.19. Assessment of patients with cardiovascular diseases. Курация пациентов с заболеваниями органов кровообращения.	-		3,5
1.20. Subjective and objective examination of patients with urinary diseases.	-		3,5
1.21. Laboratory and instrumental tests, main clinical syndromes in case of urinary diseases.	1		3,5
1.22. Subjective and objective examination of patients with blood diseases. Laboratory and instrumental tests, main clinical syndromes in case of blood diseases.	1		3,5
1.23. Subjective and objective examination of patients with the thyroid gland diseases and diabetes mellitus. Laboratory and instrumental tests, main clinical syndromes.	1		3,5
1.24. Subjective and objective examination of patients with diseases of joints. Laboratory and instrumental tests. Main clinical syndromes.	1		3,5
1.25. Assessment of patients of patients with urinary diseases, blood system disorders, endocrine diseases and diseases of the joints.	-		3,5
1.26. Methods of laboratory tests: complete blood count and biochemical blood test; urinalysis, examination of sputum and pleural fluid.	1		3,5
1.27. Subjective and objective examination, laboratory and instrumental tests in internal Medicine. Practical skills training. Final class.	1		3,0
6 term			
2. Special Propaedeutics (special pathology)	16		48
2.1. Symptoms, diagnosis, principles of treatment and prevention of bronchial asthma, chronic obstructive pulmonary disease.	2		3,0
2.2. Symptoms, diagnosis, principles of treatment and prevention of pneumonia, pleurisy, acute and chronic respiratory failure. First aid in case of acute respiratory failure.	2		3,0
2.3. Symptoms, diagnosis, principles of treatment and prevention of acute rheumatic fever and mitral valve diseases.	1		3,0
2.4. Symptoms, diagnosis, principles of treatment and prevention of infective endocarditis and aortic valve diseases.	1		3,0
2.5. Concept of the atherosclerosis. Symptoms diagnosis, principles of treatment and prevention of ischemic (coronary) heart disease: angina pectoris, myocardial infarction. First aid in case of angina pectoris attack (pain control in case of an angina attack).	2		3,0
2.6. Symptoms, diagnosis, principles of treatment and prevention of arterial hypertension. First aid in case of hypertensive crisis.	1		3,0

aid in case of syncope.			
2.8. Symptoms, diagnosis, principles of treatment and prevention of stomach and bowel diseases (acute and chronic gastritis, stomach ulcer and duodenum ulcer; irritable bowel syndrome). First aid in case of stomach bleeding.	1		3,0
2.9. Symptoms, diagnosis, principles of treatment and prevention of gallbladder and liver diseases, acute and chronic liver failure.	1		3,0
2.10. Symptoms, diagnosis, principles of treatment and prevention of acute and chronic glomerulonephritis and pyelonephritis, acute renal injury, chronic kidney disease.	2		3,0
2.11. Symptoms, diagnosis, principles of treatment and prevention of acute allergic diseases. First aid in case of anaphylactic shock.	1		3,0
2.12. Symptoms, diagnosis, principles of treatment and prevention of blood diseases (anemias, leukemias).	1		3,0
2.13. Symptoms, diagnosis, principles of treatment and prevention of diabetes mellitus and thyroid gland diseases. First aid in case of hyperglycaemic (diabetic ketoacidosis) and hypoglycaemic coma.	-		3,0
2.14. Symptoms, diagnosis, principles of treatment and prevention of rheumatoid arthritis, reactive arthritis and osteoarthritis.	-		3,0
2.15. Assessment of patients of the patients. Educational case history writing.	-		3,0
2.16. Practical skills checking. Final class.	-		3,0

EDUCATIONAL DISCIPLINE CURRICULAR CHART “PROPEDEUTICS OF INTERNAL DISEASES”

Number of topic and section	The name of the topic and section	The number of classroom hours		Independent students work	The forms of knowledge control
		Lectures	Practical		
1	2	3	4	5	6
	4 term				
1	General Propaedeutic (semiology)	26	82	96	
1.1	Introduction. Short history of the development of the science of internal diseases. Medical Ethics and Deontology. The order of therapeutic department functioning in hospital. Scheme of Case History.	2	2	-	Interviews, tests, colloquiums, electronic tests
1.2	Examination methods of patients in Internal Medicine	2	2	2	Interviews, electronic tests
1.3	Subjective examination method	2	2	4	Interviews, case study, electronic tests
1.4	General inspection of the patient in Internal Medicine. Examination of certain parts of human body.	2		2	Interviews, case study, electronic tests
1.5	Objective examination methods in Internal Medicine (palpation, percussion, auscultation)	2	2	2	Interviews, case study, electronic tests
1.6	Laboratory examination methods in Internal Medicine. Laboratory examinations of patient in case of internal diseases. Methods of laboratory tests: complete blood count and biochemical blood test; urinalysis, examinations of sputum and pleural fluid.	2	4	2	Interviews, case study, electronic tests
1.7	Instrumental diagnostic tests in Internal Medicine	2		2	Interviews, case study, electronic tests
1.8	Clinical basics of Electrocardiogram. Technique of ECG recording and algorithm of normal ECG interpretation	2	4	4	Interviews, ECG interpretation, electronic tests
	5 term				
1.9	Examination of the patients with respiratory diseases. Subjective examination of patients with respiratory diseases (inquiry). Objective examination of patients with respiratory diseases: general inspection, visual examination and palpation of the chest.	-	3,5	4	Interviews, case study, electronic tests, practical skills assessment

1	2	3	4	5	6
1.10	Objective examination of patients with respiratory diseases: percussion and auscultation of lungs. Laboratory and instrumental tests in respiratory diseases.	1	3,5	4	Interviews, case study, electronic tests, practical skills assessment, written laboratory test interpretation
1.11	Main clinical syndromes in case of respiratory diseases	1	3,5	4	Interviews, case study, electronic tests, practical skills assessment, written laboratory test and X-ray interpretation
1.12	Assessment of patients with respiratory diseases.		3,5	4	Educational case history fragment presentation
1.13	Examination of the patients with cardiovascular diseases. Subjective examination of the patients with cardiovascular diseases (inquiry). Objective examination: general survey, inspection of the heart area and peripheral vessels area, palpation of the heart area, examination of the arterial and venous pulse. Blood pressure measurement. Percussion of the heart.	-	3,5	4	Interviews, case study, electronic tests, practical skills assessment,
1.14	Objective examination of patients with cardiovascular diseases: auscultation of the heart. Laboratory and instrumental tests in cardiovascular diseases.	1	3,5	4	Interviews, case study, electronic tests, practical skills assessment written laboratory test, ECG and X-ray interpretation
1.15	Main clinical syndromes in cardiovascular diseases.	1	3,5	4	Interviews, case study, electronic tests, practical skills assessment
1.16	Technique of ECG recording and algorithm of normal ECG interpretation	-	3,5	4	Interviews, case study, electronic tests, ECG interpretation
1.17	Clinical and electrocardiographic signs of the hypertrophy of atria and ventricles.	-	3,5	4	Interviews, case study, electronic tests, ECG interpretation
1.18	Clinical and electrocardiographic signs of cardiac arrhythmias and conduction disorders.	-	3,5	4	Interviews, case study, electronic tests, ECG interpretation

1	2	3	4	5	6
1.19	Assessment of patients with cardiovascular diseases. Курация пациентов с заболеваниями органов кровообращения.	-	3,5	4	Educational case history fragment presentation
1.20	Subjective and objective examination of patients with urinary diseases.	-	3,5	4	Interviews, case study, electronic tests, practical skills assessment.
1.21	Laboratory and instrumental tests, main clinical syndromes in case of urinary diseases.	1	3,5	4	Interviews, case study, electronic tests, practical skills assessment, written laboratory test interpretation
1.22	Subjective and objective examination of patients with blood diseases. Laboratory and instrumental tests, main clinical syndromes in case of blood diseases.	1	3,5	4	Interviews, case study, electronic tests, practical skills assessment, written laboratory test interpretation
1.23	Subjective and objective examination of patients with the thyroid gland diseases and diabetes mellitus. Laboratory and instrumental tests, main clinical syndromes.	1	3,5	4	Interviews, case study, electronic tests, practical skills assessment.,
1.24	Subjective and objective examination of patients with diseases of joints. Laboratory and instrumental tests. Main clinical syndromes.	1	3,5	4	Interviews, case study, electronic tests, practical skills assessment,
1.25	Assessment of patients with urinary diseases, blood system disorders, endocrine diseases and diseases of the joints.	-	3,5	4	Educational case history fragment presentation
1.26	Methods of laboratory tests: complete blood count and biochemical blood test; urinalysis, examination of sputum and pleural fluid.	1	3,5	2	Interviews, case study, electronic tests, , written laboratory test interpretation
1.27	Subjective and objective examination, laboratory and instrumental tests in Internal Medicine. Practical skills training. Final class.	1	3,0		practical skills assessment
	6 семестр				
2	Частная пропедевтика (частная патология)	16	48	80	
2.1	Symptoms, diagnosis, principles of treatment and prevention of bronchial asthma, chronic obstructive pulmonary disease.	2	3	6	Interviews, case study, electronic tests
2.2	Symptoms, diagnosis, principles of treatment and prevention of pneumonia, pleurisy, acute and chronic respiratory failure. First aid in case of acute respiratory failure.	2	3	6	Interviews, case study, electronic tests, written laboratory test and X-ray interpretation

1	2	3	4	5	6
2.3	Symptoms, diagnosis, principles of treatment and prevention of acute rheumatic fever and mitral valve diseases.	1	3	5	Interviews, case study, electronic tests
2.4	Symptoms, diagnosis, principles of treatment and prevention of infective endocarditis and aortic valve diseases.	1	3	5	Interviews, case study, electronic tests
2.5	Concept of the atherosclerosis. Symptoms, diagnosis, principles of treatment and prevention of ischemic (coronary) heart disease: angina pectoris, myocardial infarction. First aid in case of angina pectoris attack (pain control in case of angina attack).	2	3	7	Interviews, case study, electronic tests
2.6	Symptoms, diagnosis, principles of treatment and prevention of arterial hypertension. First aid in case of hypertensive crisis.	2	3	4	Interviews, case study, electronic tests
2.7	Symptoms, diagnosis, principles of treatment and prevention of heart failure and vascular insufficiency. First aid in case of syncope.	2	3	4	Interviews, case study, electronic tests
2.7	Symptoms, diagnosis, principles of treatment and prevention of stomach and bowel diseases (acute and chronic gastritis; stomach ulcer and duodenum ulcer; irritable bowel syndrome). First aid in case of stomach bleeding.	1	3	5	Interviews, case study, electronic tests
2.9	Symptoms, diagnosis, principles of treatment and prevention of gallbladder and liver diseases, acute and chronic liver failure.	1	3	5	Interviews, case study, electronic tests
2.10	2.10. Symptoms, diagnosis, principles of treatment and prevention of acute and chronic glomerulonephritis and pyelonephritis, acute renal injury, chronic kidney disease.	2	3	5	Interviews, case study, electronic tests
2.11	2.11. Symptoms, diagnosis, principles of treatment and prevention of acute allergic diseases. First aid in case of anaphylactic shock.	-	3	4	Interviews, case study, electronic tests
2.12	2.12. Symptoms, diagnosis, principles of treatment and prevention of blood diseases (anemias, leukemias).	-	3	5	Interviews, case study, electronic tests, written laboratory test interpretation
2.13	2.13. Symptoms, diagnosis, principles of treatment and prevention of diabetes mellitus and thyroid gland diseases. First aid in case of hyperglycaemic (diabetic ketoacidosis) and hypoglycaemic coma.	-	3	5	Interviews, case study, electronic tests
2.14	2.14. Symptoms, diagnosis, principles of treatment and prevention of rheumatoid arthritis, reactive arthritis and osteoarthritis.	-	3	5	Interviews, case study, electronic tests
2.15	2.15. Assessment of patients of the patients. Educational case history writing.	-	3	5	Educational case history presentation
2.16	2.16. Practical skills checking. Final class.	-	3	4	Practical skills assessment

APPENDIX 2
LIST OF ACADEMIC DISCIPLINE LITERATURE RECOMMENDED FOR 2020-2021 ACADEMIC YEAR

Basic Literature

1. Немцов Л.М. General propedeutics of internal diseases : lecture course (Общая пропедевтика внутренних болезней : курс лекций (на английском языке)/ 2-е изд. Витебск : БГМУ, 2016. – 175 с.
2. Немцов Л.М.Special propedeutics of internal diseases : lecture course (Частная пропедевтика внутренних болезней : курс лекций (на английском языке)/ 2-е изд. Витебск : БГМУ, 2016. – 318 с.
3. Kovalyova O. M. Propedeutics of internal medicine : Part 1. Diagnostics : textbook for English learning students of higher medical schools. – Ed. 3. – Vinnytsia : Nova Knyha, 2017. – 424 p.
4. Kovalyova O. M. Propedeutics of internal medicine : Part 2. Syndromes and diseases : textbook for English learning students of higher medical schools. – Ed. 3. – Vinnytsia : Nova Knyha, 2017. – 264 p.
5. Bickley, Lynn S. Bates' guide to physical examination & history taking : guest ed. R. M. Hoffman. – 12th ed. – Philadelphia [etc.] : Wolters Kluwer, 2017. – 1034 p.

Additional Literature

1. Арсентьева И.Л. Учебная история болезни = Educational case history: метод. реком.- Минск: БГМУ, 2015.- 24 с.
2. Шолкова М. В.Практические навыки по обследованию органов желудочно-кишечного тракта = Manual in gastrointestinal system examination. – Минск : БГМУ, 2019. – 40 с.
3. Переверзева Е. В. Симптоматология, диагностика, принципы лечения анемий, гемобластозов = Semeiotics, diagnosis, principles of treatment of anemia and leukemia – Минск : БГМУ, 2019. – 16 с.
4. Основы электрокардиографии = Basics of electrocardiogram : практикум / Доценко, Эдуард Анатольевич [и др.]. - Минск : БГМУ, 2019. - 96 с.
5. Пропедевтика внутренних болезней = Propaedeutics of internal diseases : контрол. вопросы к текущим итог. занятиям / Арсентьева, Ирина Леонидовна [и др.]. - Минск : БГМУ, 2018. - 40 с.
6. Основы лабораторной диагностики = Basics of laboratory diagnostics : практикум / Э. А. Доценко [и др.]; - Минск : БГМУ, 2020. - 55 с.

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