

**Thematic plan of independent work of the student
in the discipline "Faculty therapy"
for students of the educational program
specialist degree in the specialty/direction of training
31.05.01 Medical business,
direction (profile) Medical business,
form of study full-time
for the 2023-2024 academic year**

| № | Topic of independent work | Hours (academic) |
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| 1. | <p>Introduction to the discipline. Cardiology.¹ Study of the general scheme of examination of the therapeutic patient, the scheme of medical history. Mastering the method of questioning the patient, drawing up an interview plan. Study of methods of general examination of the patient (anthropometry, thermometry). Mastering the methods of questioning and examining a cardiological patient. Examination, palpation of large vessels, heart area. Development of heart percussion techniques (determining the boundaries of relative and absolute cardiac dullness). Development of auscultation skills and assessment of heart tones in normal and pathological conditions. Listening to records and audio cassettes with heart tones. Mastering the methods of diagnosing mitral valve defects in the process of curating thematic patients and solving situational problems. Mastering the methods of diagnosis of aortic malformations in the process of curating thematic patients and solving situational problems. Study of vascular system research methods (examination and palpation of arteries and veins, sphygmography, determination of venous pressure, blood flow velocity, measurement of blood pressure on the radial and femoral arteries by the Korotkov method). Study of the principles of ECG and methods of recording ECG in 12 leads. ECG analysis with ventricular and atrial hypertrophy. ECG analysis with various rhythm and conduction disorders. ECG diagnosis of coronary heart disease, myocardial infarction. Writing a fragment of the medical history with a description of the pathology of the cardiovascular system.²</p> | 20 |
| 2. | <p>Pulmonology.¹ Mastering the method of examination and questioning of pulmonary patients. Practice skills of chest palpation, lung percussion (comparative and topographic). Practicing lung auscultation skills. Listening to records and audio cassettes with normal breathing sounds. Recognition of normal breathing sounds. Diagnostic assessment of changes in respiratory sounds. Practice listening skills and clinical interpretation of adverse respiratory sounds. Listening to records and audio cassettes with abnormal breathing sounds. Interpretation of sputum,</p> | 16 |

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| | blood, and pleural effusion tests. Study of instrumental methods of respiratory examination (radioscopy, radiography, computed tomography, bronchoscopy, spirometry, pneumotachometry). Writing a fragment of the supervised patient's medical history. ² | |
| 3. | Gastroenterology. ¹ Mastering the method of questioning, examination, patients with diseases of the esophagus, stomach. Practicing abdominal percussion skills. Working out the technique of palpation of the abdominal organs (surface orientation palpation, deep methodical sliding palpation). Study of gastric probing techniques. Interpretation of gastric juice tests. Calculation of the hydrochloric acid flow rate. pH-metric, method of conducting, diagnostic value. Study of the main coprological syndromes. Interpretation of the coprogram. Practice skills of questioning, examination, percussion, palpation of patients with liver disease. Study of methods of functional diagnostics of liver diseases. Study of the main liver syndromes. Mastering the methods of examination of the gallbladder (questioning, examination, identification of the main cystic symptoms). Study of the duodenal sounding technique. Interpretation of duodenal content analysis. Study of diagnostic methods for pancreatic diseases. Writing a fragment of the medical history of a patient with pathology of the gastrointestinal tract. ² | 16 |
| 4. | Nephrology. ¹ Working out the methods of questioning, examination, percussion, palpation of patients with diseases of the urinary system. Interpretation of general and biochemical blood tests, general urinalysis, Nechiporenko, Zimnitsky, Addis-Kakovsky urine tests, Rehberg samples. The study of instrumental methods for studying the urinary system – X-ray methods: an overview image of the kidneys, intravenous pyelography, nephroangiography. Radioisotope methods of research: radioisotope nephrography, scanning, scintigraphy of the kidneys, ultrasound of the kidneys. ² | 10 |
| 5. | Hematology. Allergic reactions. ¹ Mastering the methods of questioning, examination, palpation and percussion of patients with blood diseases. Evaluation of the results of a clinical blood test, sternal punctate in anemia. Reading and interpretation of the general blood test and sternal punctate for leukocytosis, leukemoid reactions, and leukemia. Reading and interpreting laboratory tests for hemorrhagic diathesis. Study of the methods of preparation of instruments and blood sampling, preparation of smears, counting the number of red blood cells, white blood cells, platelets, determination of hemoglobin, ESR. Solving situational problems in the pathology of the blood system. Study of the main clinical manifestations and syndromes of HIV infection, methods of HIV prevention. Mastering the methods of questioning and examining patients with allergic reactions (urticaria, angioedema), studying the symptomatology and principles of emergency care in anaphylactic shock. | 12 |

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| | Registration of the final medical history. ² | |
| 6. | Physical therapy. ¹ Study of methods of electrotherapy, phototherapy, ultrasound therapy. Study of methods of hydrotherapy, heat treatment, mud treatment. Study of indications and contraindications for physiotherapy treatment. Determination of indications for spa treatment. The choice of the resort depends on the pathology. Knowledge of contraindications when applying for sanatorium treatment. Registration of prescriptions for physiotherapy procedures. Registration of a health resort card. ² | 8 |
| | Total | 82 |

¹ -Subject

² - essential content (if necessary)

Considered at the meeting of the Department of Faculty therapy " 24 " May 2023, Protocol No. 10.

Head of the Department
Faculty of Therapy, MD, Professor



Signature

A. R. Babaeva