Ministry of Health of the Republic of Belarus

Educational Establishment

«Vitebsk State Order of Peoples` Friendship Medical University»

Chair of Propedeutics of Internal Diseases

 It predicated on meeting

 of the chair from

 Protocol № \_\_ "\_\_\_" \_\_\_\_\_\_\_\_\_20\_\_\_yr

**METHODOLOGICAL RECOMMENDATIONS FOR LEARNERS N1**

for practical training

on Propaedeutics of Internal Diseases

for specialty 7-07-0911-01 “General Medicine”

2nd year of medical faculty

full-time higher education

**Theme:** Introduction to the educational discipline "Propaedeutics of Internal Diseases". Medical ethics and deontology. Methods of clinical examination of patients with diseases of internal organs

**Time:** 3 hours

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Vitebsk, 2025

**Motivational characteristics of the need to study the topic of the class**

Propaedeutics of Internal Diseases is an introductory part of the educational discipline "Internal diseases", which includes training in the basics of diagnosis and private pathology.

At the basis of the diagnosis of internal diseases are initially subjective and objective methods of research, which every physician must know. Laboratory and instrumental diagnostics is the next stage of examination, which helps in making a diagnosis.

**Aims and objectives of the class**

*Teaching objectives:* introducing learners to the goals and objectives of Propaedeutics of Internal Diseases, methods of clinical examination of patients (subjective, objective, laboratory and instrumental).

*Developmental objectives:* formation of attentiveness, observativeness (in the process of practical training), independence (in preparation for practical training).

*Educational objectives:* study and observance of basic issues of medical ethics and deontology in the process of communication with other learners, medical workers and patients, the sense of mutual assistance, subordination, responsibility, diligence, accuracy, integrity, understanding the importance of the profession, compliance with safety.

In the process of studying the topic, the learner should

**study:**

*the basics of methods of clinical examination of patients (subjective, objective, laboratory and instrumental);*

**learn to:**

*plan laboratory-instrumental methods of investigation to confirm clinical diagnosis;*

**to practice:**

*technique of subjective methods of patient examination.*

**Practical skills formed during the study of the topic:**

*1. Technique of collecting complaints of therapeutic patients.*

*2. Technique of collecting the present disease history (anamnesis morbi) in patients of the therapeutic profile.*

*3. Technique of collecting the past life history (anamnesis vitae) in patients of the therapeutic profile.*

**Interdisciplinary and intradisciplinary links**

The study of the topic of the lesson is closely interconnected with preparation for the study of disciplines at the following chairs: Chair of Departmental Therapy and Cardiology with the Course of the FAT and SR, Chair of General Medical Practice, Chair of Phthisiopulmonology, Chair of Dermatovenerology and Cosmetology, Cahir of Neurology and Neurosurgery.

**Theoretical part**

In preparation for the lessons learners should pay attention to:

- “Methodological guidelines for the organization of independent work of learners”;

- information block of the lesson topic on the SIW (supervised independent work of learners) in the theoretical section of the course.

**Questions for classroom control of knowledge.**

1. Educational discipline "Propaedeutics of Internal Diseases" and its place among other medical academic disciplines. Medical ethics and deontology.

2. Subjective methods of examination. Questioning (taking history), rules. Diagnostic value.

3. Objective methods of examination: general survey, local suevey, palpation, percussion, auscultation.

4. Laboratory and instrumental methods of examination in the diagnosis of diseases of internal organs. The main types of radiologic method of examination. Diagnostic value. Endoscopic methods of examination. Biopsy of organs. General idea of the diagnostic value of histologic and cytologic examination. Ultrasound methods of examination in diseases of internal organs, the value for diagnosis. Radioisotope methods of examination. Magnetic resonance imaging methods of examination. Functional methods of examination [electrocardiography (ECG), daily ECG monitoring, spirography, etc.].

**Practice part**

When preparing for the lesson you should pay attention to:

- training videos presented in the theoretical section on the course SIW (follow the link

Taking History <https://www.youtube.com/watch?v=gsjKcQUsQY8>)

Daily monitoring Blood Pressure <https://youtu.be/Ev3N-7ap5sA>

Holter monitoring ECG <https://youtu.be/qUjaLSwW_Bk>

Ultrasonography <https://youtu.be/yt3fT9IeQfo>

Spirometry (Respiratory volumes study) <https://youtu.be/IuFu-yRReW4>

X-ray (Roentgenology methods) <https://youtu.be/Sx3JZD2MDUE>

CT (computer tomography) and MRI (magnetic resonance imaging) <https://youtu.be/hKao2Ac_Flw>

Bronchoscopy <https://youtu.be/FXDfZmZ2EzM>

Gastroduodenoscopy <https://youtu.be/j3p9yFOvmG8>

Colonoscopy <https://youtu.be/CuWugcMDNFI>

Biopsy <https://youtu.be/41gw80wYctQ>

Radioisotope study <https://youtu.be/ZpaY5Jmpj1A>

Scintigraphy <https://www.youtube.com/watch?v=EYe9nAmIVrs>

**Tasks and questions for control of the topic mastering**

1. Subjective methods of examination. Inquiry, rules. Diagnostic value.

2. Objective methods of examination: general examination, local examination, palpation, percussion, auscultation.

3. Planning laboratory and instrumental methods of examination to confirm the clinical diagnosis of therapeutic patients depending on the pathology of internal organs.

**Questions for supervised independent work (SIW).**

*SIW is not applicable*

**Assignments for supervised independent work (SIW).**

*SIW is not applicable*

**Deadline for completion of supervised independent work (SIW).**

*SIW is not applicable*

**Forms of control of supervised independent work (SIW).**

*SIW is not applicable*

**Literature**

**Basic:**

1. Немцов, Л.М. Пропедевтика внутренних болезней = Propaedeutics of Internal Diseases: в 2 ч. : учеб. пособие : для иностр. студентов учреждений высш. образования по специальности «Лечебное дело». Ч. 1 : Обследование органов дыхания и сердечно-сосудистой системы / Л. М. Немцов. - Витебск: ВГМУ, 2021. - 309 с. – 154 экз. Режим доступа: <https://elib.vsmu.by/handle/123/23000>

**Additional:**

1. Немцов Л.М. General propedeutics of internal diseases: Lecture course (Общая пропедевтика внутренних болезней: Курс лекций (на английском языке), 2-е издание / Л.М. Немцов. – Витебск: ВГМУ, 2016. – 175 с. – 310 экз. Режим доступа: <http://elib.vsmu.by/handle/123/268>
2. Current Medical Diagnosis & Treatment / edited by Maxine A. Papadakis, Stephen J. McPhee, Michael W. Rabow ; associate ed. Kenneth R. McQuaid. - 61st ed. - New York [etc.] : McGraw-Hill, 2022. -– 1840 pp. – 1 экз.
3. Доценко, Э.А. Основы лабораторной диагностики = Basics of laboratory diagnostics: практикум на англ. яз. /Э. А. Доценко [и др.] ; М-во здравоохранения Республики Беларусь, Белорус. гос. мед. ун-т, Каф. пропедевтики внутрен. болезней. - Минск : БГМУ, 2020. – 53 с. – 1 экз.

5. Доценко, Э.А. Методы исследования в клинике внутренних болезней = Diagnostic methods in the internal medicine: практикум для студентов стоматол. фак. на англ. яз. / Э. А. Доценко [и др.] ; М-во здравоохранения Республики Беларусь, Белорус. гос. мед. ун-т, Каф. пропедевтики внутрен. болезней. - 2-е изд. - Минск: БГМУ, 2023. – 73 с. – 1 экз