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# Propaedeutics of Internal Medicine

**Workbook**  
**Clinical manual**

Recommended by  
the Academic Board of Bogomolets  
National Medical University as a manual  
for students of higher medical education  
establishments

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**Propaedeutics of Internal Medicine: Workbook. Clinical manual /**  
P78 **V.Ye. Kondratiuk, V.A. Khomaziuk, I.V. Krasiuk, T.H. Ostashevska,**  
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The manual contains workbooks on Propaedeutics of Internal Medicine, which are aimed at improving the self-training of English-speaking students of the 3<sup>rd</sup> year to practical classes in the clinic. The structure and contents of the manual are adapted to the requirements of the curriculum of the discipline “Propaedeutics of Internal Medicine” for students of higher medical education establishments. Structured self-study questions, situational tasks and quiz test questions will simplify and facilitate students’ work on their own. The manual was worked out by the teachers of the Department of Propaedeutics of Internal Medicine No. 2 at Bogomolets National Medical University taking into account all suggestions and comments received during recent years from the pedagogical team, students and practicing doctors.

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# Contents

Abbreviations.....	6
Preface.....	7
<b>MODULE 1. BASIC METHODS OF PATIENTS' EXAMINATION IN CLINIC OF INTERNAL MEDICINE .....</b>	<b>8</b>
Workbook 1. Topic of practical class 1: "Scheme of case report. Interviewing of a patient" .....	8
Workbook 2. Topic of practical class 2: "General inspection of a patient, diagnostic significance of revealed signs. Inspection of the separate parts of the body: head, neck, trunk, and extremities" .....	15
Workbook 3. Topic of practical class 3: "The main complaints of patients with respiratory diseases. Static and dynamic inspection of the chest. Palpation of the chest" .....	21
Workbook 4. Topic of practical class 4: "Percussion of the lungs. Technique of comparative percussion. Technique of topographic percussion" .....	27
Workbook 5. Topic of practical class 5: "Auscultation of the lungs. The main breath sounds (vesicular and bronchial breathing)" .....	33
Workbook 6. Topic of practical class 6: "Auscultation of the lungs. Adventitious breath sounds (rales, crepitation, and pleural friction sound)" .....	39
Workbook 7. Topic of practical class 7: "Instrumental and laboratory methods of respiratory organs examination" .....	45
Workbook 8. Topic of practical class 8: "Physical methods of cardiovascular system examination. Interviewing and general inspection of the patients with cardiovascular diseases" .....	51
Workbook 9. Topic of practical class 9: "Examination of pulse and blood pressure measurement" .....	57
Workbook 10. Topic of practical class 10: "Inspection and palpation of the heart region. Determination by percussion of the relative and absolute cardiac dullness, borders of the vascular bundle" .....	63
Workbook 11. Topic of practical class 11: "Auscultation of the heart. Normal heart sounds, splitting and reduplication of heart sounds, adventitious sounds (mitral valve opening snap, gallop rhythm)" .....	69

## Contents

---

Workbook 12. Topic of practical class 12: “Auscultation of the heart. Organic and functional heart murmurs”.....	75
Workbook 13. Topic of practical class 13: “Instrumental methods for examination of cardiovascular system. Electrocardiography (ECG): technique of recording and interpreting: standard, augmented and chest leads. ECG signs of ventricular and atrial hypertrophy”.....	82
Workbook 14. Topic of practical class 14: “ECG signs of cardiac arrhythmias associated with altered automaticity and excitability”.....	89
Workbook 15. Topic of practical class 15: “ECG signs of conduction disorders and combined disorders of excitation and conduction. Presentation of electric defibrillation and pacing”.....	95
Workbook 16. Topic of practical class 16: “Interviewing and general inspection of the patients with digestive system diseases. Inspection and superficial palpation of the abdomen”.....	102
Workbook 17. Topic of practical class № 17: “Deep sliding methodical palpation of the intestine and stomach”.....	109
Workbook 18. Topic of practical class № 18: “Deep sliding methodical palpation of the liver, gallbladder, pancreas, spleen, and kidneys”.....	116

### **MODULE 2. SYMPTOMS AND SYNDROMES OF INTERNAL DISEASES**..... 123

Workbook 19. Topic of practical class 19: “Mitral and aortic valve diseases: the chief symptoms and syndromes, clinical and instrumental methods of examination”.....	123
Workbook 20. Topic of practical class 20: “The chief symptoms and syndromes of essential and secondary arterial hypertension. Hypertensive crisis”.....	131
Workbook 21. Topic of practical class 21: “Ischemic heart disease: the chief symptoms and syndromes of angina pectoris and myocardial infarction”.....	139
Workbook 22. Topic of practical class 22: “The main clinical signs of chronic bronchitis and asthma. Chronic obstructive pulmonary diseases”.....	147
Workbook 23. Topic of practical class 23: “Pneumonia: symptoms and syndromes; clinical, instrumental and laboratory methods of examination. Pneumosclerosis. Lung cancer”.....	155
Workbook 24. Topic of practical class 24: “The chief symptoms and syndromes of dry pleurisy, pleurisy with effusion. Syndrome of respiratory insufficiency”.....	163

## Contents

---

Workbook 25. Topic of practical class 25: “Clinical, instrumental and laboratory examination of the patients with chronic gastritis, peptic ulcer disease, and intestine pathology. The chief symptoms and syndromes” .....	172
Workbook 26. Topic of practical class 26: “The chief symptoms and syndromes of biliary diseases: chronic cholecystitis, cholangitis, and cholelithiasis. The main clinical and laboratory signs of chronic hepatitis and liver cirrhosis” .....	179
Workbook 27. Topic of practical class 27: “The chief symptoms and syndromes of renal diseases: acute and chronic glomerulonephritis and pyelonephritis” .....	187
Workbook 28. Topic of practical class 28: “The chief symptoms and syndromes of anemia. Blood analysis” .....	195
<b>SUPPLEMENTS</b> .....	204
Scheme of Case Report.....	204
I. Interviewing.....	204
Physical examination .....	207
II. General inspection.....	207
III. Examination of Systems (the most affected system should be first).....	208
IV. Presume Diagnosis and its Explanation .....	210
V. List the diagnostic laboratory tests, instrumental studies or consultations needed to confirm the presumed diagnosis.....	211
Algorithms for Objective Structured Clinical Exam (OSCE).....	212
Measurement of blood pressure .....	212
Recording of 12-lead electrocardiogram .....	213
Cardiopulmonary resuscitation (CPR), basic life support (BLS) .....	215
Algorithm C – A – B.....	217
Objective Structured Clinical Exam (OSCE-I) Station: Physical Examination Examination of lymph nodes .....	220
Objective Structured Clinical Exam (OSCE-I) Station: Physical Examination Comparative percussion of the lungs .....	221
References.....	223

## Abbreviations

ACS – acute coronary syndrome	HF – heart failure
AF – atrial fibrillation	HR – heart rate
AH – arterial hypertension	IHD – ischemic heart disease
AHA – American Heart Association	IM – intramuscular
ALS – advanced life support	ISH – International Society of Hypertension
ALT – alanine transaminase or alanine aminotransferase	IV – intravenous
AST – aspartate transaminase or aspartate aminotransferase	JVP – jugular venous pressure
AV – atrioventricular	LDL – low density lipoprotein
BMI – body mass index	LDH – lactate dehydrogenase
BLS – basic life support	LVH – left ventricular hypertrophy
BP – blood pressure	MI – myocardial infarction
CBC – complete blood count	MRI – magnetic resonance imaging
CK – creatine phosphokinase	NMU – National Medical University
CK-MB – creatine phosphokinase MB isoenzyme	OSCE – Objective Structured Clinical Exam
COPD – chronic obstructive pulmonary disease	PAC – premature atrial contraction
CPR – cardiopulmonary resuscitation	PE – physical examination
CT – computed tomography	PVC – premature ventricular contraction
CVS – cardiovascular system	RBC – red blood cells or erythrocytes
CXR – chest X-ray	SA – sinoatrial
ECG – electrocardiography	SC – subcutaneous
ESR – erythrocyte sedimentation rate	SVT – supraventricular tachycardia
ESRD – end-stage renal disease	UTI – urinary tract infection
GFR – glomerular filtration rate	VF – ventricular fibrillation
GI – gastrointestinal	WBC – white blood cells or leucocytes
Hb – hemoglobin	WHO – World Health Organization
HDL – high density lipoprotein	

## Preface

*Propaedeutics of Internal Medicine* is an introductory course of internal medicine. During their first years medical students study the main methods of examination, symptoms of internal diseases, and principles of their diagnosis. This course is given to students after they have studied the fundamentals of medicine, such as anatomy, physiology, biochemistry, etc. During their further courses of internal medicine the students improve their knowledge of all major internal diseases, their differential diagnoses and treatment. Students may take classes in different departments, but a certain sequence in learning is assured.

The skills of history taking and physical examination are central to the practice of clinical medicine. The explosion of medical information in the recent years makes the practice of medicine both simpler and more complex. Various brilliant textbooks and Internet resources have provided students and teachers really unlimited access to the knowledge in internal medicine. We have tried to make assimilation of required information easier. This manual is an accessible workbook for 3rd year medical students who are revising for practical classes at clinic. It provides simple tips about preparation and will be easily understood.

The structure and contents of the manual are adapted to the requirements of the curriculum of the discipline “Propaedeutics of Internal Medicine” for students of higher medical educational institutions of the IV level of accreditation. The manual contains 18 workbooks for Module 1 and 10 workbooks for Module 2. Module 1 reviews basic methods of patients’ examination in clinic of internal medicine. Module 2 covers symptoms and syndromes of internal diseases. Workbook for each practical class provides concise description of topic, suggested readings and two variants of structured self-study tasks and quiz test questions for students’ training at home. The convenient design of this edition allows students to make notes, drawings and fill in specific tables.

The manual also has the section of useful supplements. It contains the scheme of case report and algorithms for Objective Structured Clinical Exam (OSCE). The scheme of case report presents the order of history taking and physical examination, it will help students to see the framework they will be using. Sample OSCE stations are provided to prepare students for a new format of undergraduate clinical exams and to help them in development of practical skills. The most commonly encountered OSCE stations are included.

The manual was worked out by the teachers of the Department of Propaedeutics of Internal Medicine № 2 at Bogomolets National Medical University taking into account all suggestions and comments received during recent years from the pedagogical team, students and practicing doctors. We hope that the workbook will simplify and facilitate students’ work on their own.

# MODULE 1

## Basic methods of patients' examination in clinic of internal medicine

### Workbook 1

#### **Topic of practical class 1: “Scheme of case report. Interviewing of a patient”**

Case report: its main parts and rules for recording. The method of history taking, its diagnostic significance, the systematic approach depending on patients' individual, intellectual and psychological particularities. The main parts of history (*anamnesis*): identifying information, chief complaints, history of present illness (*anamnesis morbi*), review of systems (*anamnesis communis*), and life history (*anamnesis vitae*). The role of prominent clinicians in development of interviewing art.

#### **Suggested Readings:**

1. Kovalyova O.M., Ashcheulova T.V. Propedeutics to Internal Medicine. Part 1. – Vinnytsya: NOVA KNYHA, 2011. – P. 7-18.
2. Bates' guide to physical examination and history taking / Ed. by L.S. Bickley, P.G. Szilagyi, R.M. Hoffman. – 12th ed. – Wolters Kluwer, 2017. – P. 65-108.
3. Macleod's Clinical Examination / Ed. by G. Douglas, F. Nicol, C. Robertson. – 13th ed. – Elsevier, 2013. – P. 8-44.
4. Nykula T.D., Khomazjuk V.A. Propaedeutics of Internal Medicine and Patient Care: Study guide of the lecture course. Part I. – Kyiv: NMU, 2005. – P. 4-24.
5. Nykula T.D., Khomazjuk V.A., Ostashevskaya T.G., Krasnyuk I.V. Propaedeutics of Internal Medicine and Patient Care: Study guide for the practical classes. Part II. – Kyiv: NMU, 2005. – P. 4-9.



**Variant 1**

**Write answers to the self-study questions:**

1. What are the main parts of the interview?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

2. Define the terms 'symptom', 'semeiology', 'diagnosis', 'medical deontology'.

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3. What are the common symptoms of nervous system diseases? Name at least 10 symptoms.

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**MODULE 1**

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4. What risk factors are specific for cardiovascular diseases? Name at least 7 factors.

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5. What scheme should physician follow in objective examination of a patient?

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**Quiz Test Questions:**

1. Which method of examination is subjective?
  - A. Auscultation.
  - B. General inspection.
  - C. Interviewing.
  - D. Percussion.
  - E. Sonography.
  
2. Pain in renal colic is usually:
  - A. boring.
  - B. dull.
  - C. permanent.
  - D. persist for several days.
  - E. unilateral.