

Kharkiv National Medical University
Department of Internal Medicine № 3 and Endocrinology
Department of Surgery №2
Department of Pediatrics №2
Educational program for training of specialists of the second (Master's)
level of higher education training 22 "Healthcare"
in specialty 222 "Medicine"

SYLLABUS OF THE COURSE
Elective discipline
IMPROVEMENT OF KNOWLEDGE AND PRACTICAL SKILLS IN CLINICAL
MEDICINE AS A PREPARATION FOR CERTIFICATION OF UNIFIED STATE
QUALIFICATION EXAMINATION

The syllabus was approved at the meeting of
the Department of Internal Medicine №3 and
endocrinology

Protocol from

“28” August 2020 № 13

Head of the Department

_____ prof. Zhuravlyova L.V.
(signature) (surname and initials)

Approved by the methodical commission of
KhNMU on problems of professional training of
therapeutic profile

Protocol from

“ 31 ” August 2020 №1

Head

_____ prof. Kravchun P.G.
(signature) (surname and initials)

The syllabus of the discipline was approved at
the meeting of the Department of Surgery № 2

Protocol from

“28” August 2020 № 12

Head of the Department

_____ prof. Kryvoruchko I.A.
(signature) (surname and initials)

Approved by the methodical commission of
KhNMU on problems of professional training of
surgical profile

Protocol from

“ 28 ” August 2020 poky №1

Head

_____ prof. Syplivyy V.O.
(signature) (surname and initials)

The syllabus of the discipline was approved at
the meeting of the Department of Pediatrics
№2

Protocol from “28” August 2020 № 15

Head of the Department

_____ prof. Makeyeva N.I.
(signature) (surname and initials)

Approved by the methodical commission of
KhNMU on problems of professional training of
pediatric profile

Protocol from

“ ” 20 poky №

Head

_____ Gonchar M.O.
(signature) (surname and initials)

NAME OF THE COURSE:

Improving knowledge and practical skills in clinical medicine as a preparation for certification of unified state qualification examination

4th year of study

The discipline consists of the following sections: Internal Medicine, Surgery, Pediatrics

Volume 3 credits, 30 classroom hours, 60 students' self-management hours

Section "Internal Medicine"

Syllabus compilers:

1. Zhuravlyova Larysa Volodymyrivna - Head of the Department of Internal Medicine №3 and Endocrinology, Doctor of Medical Sciences, Professor (tel. 0504002195, prof.zhuravlyova@gmail.com).

2. Tsivenko Oksana Ivanivna – Manager of the Department of Internal Medicine №3 and Endocrinology, Candidate of Medical Sciences, Associate Professor (tel. 0953392065, oksanatsivenko777@gmail.com).

Website of the department: <http://vnmed3.kharkiv.ua/>.

Class schedule: Monday, Tuesday, Wednesday, Thursday, Friday (8.45-12.20 - first shift, 12.25-15.50 – second shift according to the schedule).

Location: classrooms of the Department of Internal Medicine №3 and endocrinology on the basis of Communal Non-profit Enterprise of Kharkiv Regional Council "Regional Clinical Hospital" (Kharkiv, Independence Ave. 13).

Discipline information**Section "Internal Medicine"****1. Description of the discipline.**

Fourth course.

Fourth year of study, 8 semester.

Content of the discipline:

Number of credits - 1

The total number of hours is 30.

Hours for study: classroom - 10, independent work of the student - 20.

Practical classes 10 hours.

Independent work 20 hours

Type of control: credit.

General characteristics of the discipline: a course to improve knowledge, practical skills in clinical medicine, as a preparation for the certification of «USQE» is designed for 4th year students.

Moodle page <http://31.128.79.157:8083/course/index.php?categoryid=14>.

2. The purpose and objectives of the discipline. The purpose of teaching the discipline "Improvement of knowledge, practical skills in clinical medicine, as

preparation for the certification of «USQE» is to acquire and improve knowledge, skills, abilities and other competencies in internal medicine required in professional activities, which are established on the basis of educational and professional program.

The main tasks of studying the discipline are the acquisition by students of competencies in accordance with the general and professional competencies of the educational-professional program "Medicine" of the second (master's) level of higher education in the specialty 222 Medicine qualification master of medicine.

3. Status and format of the discipline. The discipline is normative, the format is mixed.

4. Teaching methods. Presentations, videos, guidelines.

5. Recommended reading:

1. Внутрішня медицина: Порадник лікарю загальної практики: навчальний посібник. / А.С. Свінціцький, О.О. Абрагамович, П.М. Боднар та ін.; За ред. проф. А.С. Свінціцького. – ВСВ «Медицина», 2014. – 1272 с. + 16с. кольоров. вкл.
2. Гастроентерологія. Підручник: У 2 Т. -Т.1 / за ред. проф Н.В Харченко., О.Я. Бабака. -Кіровоград: Поліум, 2016. - 488 с.
3. Гастроентерологія. Підручник: У 2 Т. -Т.2 / за ред. проф Н.В Харченко., О.Я. Бабака. -Кіровоград: Поліум, 2017. – 432 с.
4. Ендокринологія: підручник (П.М. Боднар, Г.П. Михальчишин, Ю.І. Комісаренко та ін.) За ред. професора П.М. Боднара, - Вид. 4, перероб. та доп. – Вінниця: Нова Книга, 2017. – 456 с.
5. Davidson's Principles and Practice of Medicine 23rd Edition. Editors: Stuart Ralston, Ian Penman, Mark Strachan Richard Hobson. Elsevier. - 2018. – 1440p.
6. Endocrinology: textbook /Ed. by prof. Petro M. Bodnar.- 4th ed. updated – Vinnitsa: Nova Knyha, 2017. – 328 p.
7. Principles and Practice of Infectious Diseases. 2-Volume set / J.E. Bennet, R. Dolin, M.J. Blaser – 8-th edition : Saunders Publisher, 2014.
8. USMLE Step 2 CK Lecture Notes 2017: Internal Medicine (Kaplan Test Prep). - 2016. - Published by Kaplan Medical. - 474 pages.

сайт кафедри внутрішньої медицини № 3 ХНМУ <http://www.vnmed3.kharkiv.ua/>, встановлене інформаційно-освітнє середовище Moodle на піддомен сайту <http://distance-training.vnmed3.kharkiv.ua>.

6. Prerequisites and co-requisites of the discipline. Anatomy, physiology, histology, pathological anatomy, pathological physiology, propaedeutics of internal diseases; clinical pharmacology, surgery, pediatrics.

7. Learning outcomes.

List of acquired knowledge:

- clinical syndromes, general and "alarm" symptoms in diseases of internal organs, methods of physical examination, mechanisms of development and complications of diseases of internal organs;
- standards for diagnosis and treatment of diseases of internal organs.

List of skills and abilities acquired by the applicant for higher education:

- To conduct examinations of patients and to analyze the results.

- To determine the etiological and pathogenetic factors of the most common diseases of the internal organs.
- To analyze the typical and atypical clinical picture of diseases and their complications.
- To formulate a preliminary diagnosis, make a survey plan and analyze survey data.
- To make a differential diagnosis, substantiate and formulate a clinical diagnosis.
- To determine the tactics of patient management and prescribe treatment, assess the prognosis and efficiency.
- To diagnose and treat emergencies.
- To carry out prevention of diseases of internal organs.
- To perform medical manipulations.
- To have the principles of medical professional and professional subordination.

The content of the discipline Curriculum

| № 3/II | Topic | Hours |
|-------------------|--|--------------|
| 1 | Survey and physical examination of patients with major diseases of the respiratory, digestive, hematopoietic and endocrine systems | 5 |
| 2 | Interpretation of laboratory and instrumental methods of investigation in the clinic of internal medicine | 5 |
| 3 | Substantiation and formulation of the diagnosis of major diseases of the respiratory, digestive, hematopoietic organs and endocrine system | 5 |
| 4 | Treatment, primary and secondary prevention of major diseases of the respiratory, digestive, hematopoietic and endocrine systems | 6 |
| 5 | Providing emergency care in an internal medicine clinic | 5 |
| 6 | Credit | 4 |
| | IN ALL | 30 |
| | Credits ECTS | 1 |

Topic of practical classes

| № 3/II | Topic | Hours |
|---------------|--|--------------|
| 1 | Substantiation and formulation of the diagnosis of major diseases of the respiratory, digestive, hematopoietic organs and endocrine system | 2 |
| 2 | Treatment, primary and secondary prevention of major diseases of the respiratory, digestive, hematopoietic organs and endocrine system. | 2 |
| 3 | Providing emergency care in an internal medicine clinic | 2 |
| 4 | Credit | 4 |
| IN ALL | | 10 |

Independent work

| № з/п | Topic | Hours |
|---------------|--|--------------|
| 1 | Survey and physical examination of patients with major diseases of the respiratory, digestive, hematopoietic and endocrine systems | 5 |
| 2 | Interpretation of laboratory and instrumental methods of investigation in the clinic of internal medicine | 5 |
| 3 | Substantiation and formulation of the diagnosis of major diseases of the respiratory, digestive, hematopoietic organs and endocrine system | 3 |
| 4 | Treatment, primary and secondary prevention of major diseases of the respiratory, digestive, hematopoietic and endocrine systems | 4 |
| 5 | Emergency care in an internal medicine clinic | 3 |
| IN ALL | | 20 |

Individual tasks .

Preparation and report of the abstract in a practical lesson; report at clinical conferences of departments; report on the patient's medical history in practice; writing abstracts, articles.

Discipline policy and values

To achieve the goals of training and successfully complete the course, it is necessary to join the work from the first day; attend lectures regularly; read the material before its consideration in a practical lesson; do not be late and do not miss classes. Students with special needs should meet with the teacher or warn him before the start of classes, at the request of the student.

Evaluation policy

Control methods

It is recommended to conduct practical classes with the inclusion of:

- 1) control of the initial level of knowledge;
- 2) survey of students on the topic of the lesson;
- 3) management of 1-2 patients with diseases and conditions that correspond to the subject of the lesson;
- 4) consideration of the results of additional research methods;

5) control of the final level of knowledge on test tasks.

6) Current control (RC) is carried out by the teacher of the academic group at the last lesson. Acceptance of software is carried out by the teacher of the academic group. Assessment is carried out according to the system: "excellent", "good", "satisfactory" and "unsatisfactory". The minimum number of points that a student must score for the current activity during the study of the section is 70 points, the maximum number of points - 120 points.

7) Individual work of students is evaluated during the current control of the topic in the relevant lesson.

8) Assessment of individual tasks of the student is carried out under the conditions of their performance. Points (not more than 10) are added as incentives. The total amount of points for current educational activities may not exceed 120 points.

9) The test for the discipline in the autumn semester is conducted by the teacher of the academic group at the last lesson.

10) Organization of final control - credit. Direct credit is estimated from - 50 to - 80 points.

Credit:

1. Solving a package of test tasks, which includes basic test tasks "Step -2". Evaluation criterion - 95-100% of correctly solved tasks, "passed - failed".

2. Assessment of the acquisition of practical skills (assessment criteria - "performed" or "failed").

3. Assessment of theoretical knowledge on the tickets drawn up at the department from the sections of the discipline, which were studied during the academic year, the criteria for assessing theoretical knowledge according to the table.

Assessment of theoretical knowledg

| Number of questions | «5» | «4» | «3» | Oral answer for tickets, which include the theoretical part of the discipline | For each answer the student receives from 10 to 16 points, which corresponds to: |
|---------------------|-----|-----|-----|---|--|
| 1 | 16 | 13 | 10 | | "5" - 16 points; "4" - 13 points; "3" - 10 points |
| 2 | 16 | 13 | 10 | | |
| 3 | 16 | 13 | 10 | | |
| 4 | 16 | 13 | 10 | | |
| 5 | 16 | 13 | 10 | | |
| | 80 | 65 | 50 | | |

List of questions for credit

- Diabetes mellitus.
- Acute and chronic complications of diabetes mellitus.
- Iodine deficiency diseases of thyroid gland.
- Thyrotoxicosis. Thyroid cancer. Diseases of parathyroid glands.
- Diseases of the hypothalamic-pituitary system. Obesity. Diseases of the sexual glands.
- Hemophilia and thrombocytopenic purpura.
- Anemia.
- Acute leukemia.
- Chronic leukemias.
- Chronic obstructive pulmonary disease.
- Bronchial asthma.
- Pneumonia.
- Pleurisy.
- Gastroesophageal reflux disease.
- Dyspepsia.
- Chronic gastritis.
- Celiac disease and other enteropathies.
- Inflammatory bowel disease.
- Irritable bowel syndrome.
- Chronic hepatitis.
- Cirrhosis of the liver.
- Obesity and its consequences.

Grade from the discipline

The grade for the discipline is defined as the arithmetic mean of the points for the autumn and spring semesters, which are translated into a 120-point scale. Added to them is the number of points that the student received during the test.

The maximum number of points that a student can score is 200 points, the minimum is 120.

Grades "unsatisfactory" are given to students who were admitted to the test, but did not pass it and who are not admitted to the test.

Head of the Department
of Internal Medicine №3
and endocrinology,
d. med. n., professor

L.V. Zhuravlova