

**Odessa National Medical University
Department of Internal Medicine #4**

Course Syllabus

"Tactics of diagnosis and treatment of the main forms of coronary heart disease"

Amount	120 hours / 4 credits
Semester, year of study	IV semester, 2 year of study
Days, time, place	Mo-Fr, 08:30-16:15, Department of internal medicine #4
Teacher (s)	Zolotareva Natalia Artemivna, Head of the Department, Prof., MD Solomko Olena Volodymyrivna, assoc. professor, Ph.D. Romanchenko Maksym Ihorovych, assoc. professor, Ph.D.
Contact phone	(048)-722-35-81
E-mail	max.romanchenko@onmedu.edu.ua
Workplace	Military Medical Clinical Center of the Southern Region, Odessa, Pirogovskaya st., 2 WWII Regional Veteran's Hospital, Odessa, Fontanskaya road, 114,
Consultations	Daily, 16:15-18:00

Communication

The main part of the training will take place in person at the clinical bases of the department.

Remote communication will take place at:

- the official website of the department (www.therapy.odmu.edu.ua);
- Microsoft Teams platform (<https://teams.microsoft.com/>);
- info-systems ONMedU (<https://info.odmu.edu.ua/>).

The main e-mail for communication is max.romanchenko@onmedu.edu.ua (head teacher of the department, Romanchenko Maksym Ihorovych)

During quarantine, training will take place exclusively on the Microsoft Teams platform (<https://teams.microsoft.com/>)

Course abstract

The subject of study of the selective educational discipline "Tactics of diagnosis and treatment of the main forms of coronary heart disease" is the characteristic clinical manifestations of various forms of coronary heart disease, modern methods and algorithms of diagnosis and principles of treatment of coronary heart disease based on the principles of evidence-based medicine.

Interdisciplinary connections.

Study by students of normal and pathological clinical anatomy, histology, general and clinical pathological physiology, pharmacology, general pharmacy and clinical pharmacology, propaedeutics of internal diseases, family medicine, radiation diagnostics, which involves integration with these disciplines and forms the ability to apply knowledge in the process of further education and in professional activity.

The purpose of the course.

The purpose of the selective educational discipline is to train specialists who are capable of competently solving complex problems in the field of professional and research innovation activities when planning and performing their own research and training doctors of philosophy for the high-quality performance of functional duties related to diagnostics, differential diagnostics and treatment of the main forms of coronary heart disease.

Tasks of the discipline:

- 1) provision of knowledge about the etiology and pathogenesis, risk factors, classification and main clinical manifestations of acute and chronic forms of coronary heart disease to those obtaining the degree of Doctor of Philosophy;
- 2) provision of knowledge of modern laboratory and instrumental methods of diagnosing coronary heart disease, basic algorithms of examination and differential diagnosis of various forms of coronary heart disease
- 3) providing PhD candidates with knowledge about modern methods of treatment of the main forms of coronary heart disease, based on the principles of evidence-based medicine, the algorithm for the rational choice of treatment methods and drugs for acute and chronic forms of coronary heart disease.

Expected results

A graduate student (applicant) should know:

- Etiology, pathogenesis, modern classification, risk factors of coronary heart disease;
- Clinical manifestations, features of the course and possible complications of the main forms of coronary heart disease, including features of the course in different age groups, gender, in comorbid and polymorbid conditions;
- Modern methods of clinical and laboratory-instrumental examination of patients with various forms of coronary artery disease, criteria for the diagnosis of various forms of coronary artery disease;
- Modern algorithms for the treatment of the main forms of coronary artery disease, principles of rational choice of treatment methods and prescription of drugs,

pharmacological characteristics of the main classes of drugs and their mechanisms of action.

A graduate student (applicant) must be able to:

- Conduct a survey of a patient with coronary artery disease, identify risk factors;
- Conduct a complete physical examination (examination, palpation, percussion, auscultation);
- Assess the patient's condition to make a decision on the amount and type of optimal medical care, formulate a preliminary diagnosis;
- Determine the necessary scope of the examination taking into account modern standards, the prognosis of the disease and the program of differential diagnosis of the disease;
- Interpret examination results, formulate a clinical diagnosis;
- Develop a treatment plan taking into account the features of the course of the disease and its previous treatment;

As a result of successful completion of the discipline, the student will be able to:

- Conduct a survey of a patient with a rheumatological disease, identify risk factors;
- Conduct a complete physical examination (examination, palpation, percussion, auscultation) with a detailed examination of the musculoskeletal system;
- Assess the patient's condition to make a decision on the amount and type of optimal medical care, formulate a preliminary diagnosis;
- Determine the necessary scope of the examination taking into account modern standards, the prognosis of the disease and the program of differential diagnosis of the disease;
- Interpret examination results, formulate a clinical diagnosis;
- Develop a treatment plan taking into account the characteristics of the course of the disease and its previous treatment;

Course Description

Forms and methods of teaching

The selective educational discipline "Tactics of diagnosis and treatment of the main forms of coronary heart disease" consists of 4 ECTS credits (120 hours): in each credit, 15 classroom hours and 15 hours for independent work; a total of 60 classroom hours and 60 hours for independent work.

The course "Actual issues of rheumatological pathology" includes the following topics:

1. Relevance of the problem of coronary heart disease. Prevalence of coronary heart disease. The main risk factors of coronary heart disease.
2. Classification of ischemic heart disease. Overview of the main ones methods of diagnosing coronary heart disease.
3. Modern algorithm for diagnosis of stable ischemic heart disease
4. Approaches to the treatment of stable coronary heart disease from the standpoint of evidence-based medicine.

5. Modern principles of diagnosis of acute coronary syndromes.
6. Management strategy of patients with acute coronary syndromes. Main groups of drugs and methods of treatment.
7. Management of patients with acute coronary syndrome and persistent ST segment elevation.
8. Management of patients with acute coronary syndrome without persistent ST segment elevation
9. Complications of ischemic heart disease. Peculiarities of management of patients with heart failure against the background of ischemic heart disease.

Recommended reading:

For successful learning, you need to have access to the following resources:

1. Perederii V.G. Basics of internal medicine: a textbook. Volume 2. Diseases of the circulatory system. Rheumatic diseases. Kidney disease. General questions of internal medicine / Perederii V.G., Tkach S.M.– Vinnytsia: New book. 2018. – 640 p.
2. Perederii V.G. Basics of internal medicine: a textbook. Volume 3. Differential diagnosis and management of patients in the clinic of internal medicine. Acute and urgent conditions in the clinic of internal medicine / V.G. Perederii, S.M. Tkach - Vinnytsia: New book. 2018. – 640 p.
3. Cardiovascular diseases. Classification, standards of diagnosis and treatment / Ed. Prof. V.M. Kovalenko, Prof. E. Lutaya, Prof. Y. M. Sirenko. - K.: MORION, 2020. - 240 p.
4. Skibchuk V.A. Practical aspects of modern cardiology. Edition 2. Supplemented. Study guide / V.A.Skybchuk, T.M.Solomenchuk.-Lviv: Ms. 2019.- 416 p.
5. Emergency care in cardiology. Study guide // edited by Dolzhenko M.M. - K. Scientific thought. - 2018. – 412 p
6. Internal diseases: national. textbook. in 2 parts. Part 1. Chapters 1-8 / L.V. Glushko, S.F. Fedorov, I.M. Skrypnik, M.M. Ostrovsky // edited by L.V. Glushka-K.: Medicine. 2019. - 680 p.

Additional teaching materials will be posted on the department page in the University information system (https://info.odmu.edu.ua/chair/internal_medicine4/files)

A more complete list of textbooks, as well as a list of additional electronic resources, is available in the [work program for the discipline](#).

Evaluation

Control forms:

The assessment of current learning activities is standardized.

The student's current educational activity is assessed on a 4-point (traditional) scale, and includes such gradations: "excellent", "good", "satisfactory" and "unsatisfactory".

Evaluation of the educational activities of all students is not required at every practical and seminar lesson. However, in the practical lesson, at least 50% of students must be interviewed.

At the end of the study of the discipline, the current academic performance is calculated as the average score of all the marks received by the student on the traditional scale, rounded to 2 (two) decimal places.

Assessment of individual student assignments

Grades for individual assignments are awarded to a student only if they are successfully completed and reported. The grade is added to current grades.

Assessment of students' independent work

Independent work of students, which is provided by the topic of the lesson along with classroom work, is assessed during the current control of the topic in the corresponding lesson. The assimilation of topics that are taken out only for independent work is checked during the exam or differential credit.

Final Exam

The exam is held at the end of the cycle and is also assessed on a 4-point (traditional) scale, including such gradations: "excellent", "good", "satisfactory" and "unsatisfactory". Only those students will be allowed to pass the exam who have no academic debts and have a grade average for current educational activity of at least 3,00 and have successfully passed control of practical skills physical examination of the patient and final KROK testing.

Final Discipline Evaluation

Score on discipline is determined as the average of current educational activity (the mean current performance) and exam mark (traditional scale), which is acquired evaluating theoretical knowledge and practical skills according to lists defined in discipline program.

Thus evaluation of the discipline consists of two components:

- 50% - the current success (average of all student marks);
- 50% - the score on the exam

The department calculates and puts two marks in a final score chart:

1) Average of all current estimates (calculated as number with two decimals, for example, 4.76); 2) Traditional score on the exam (differentiated test). Of particular methodological importance is the question of converting the result of a student's discipline on a 200-point scale and further ranking on a rating scale (ECTS). This is necessary for the implementation of academic mobility of students, providing the student with the opportunity to continue their studies in this discipline in another university or in another

country. The resulting average score for the discipline, multiplied by 40, allows conversion into an assessment on a 200-point scale..

National score	Points
«5»	185-200
«4»	151-184
«3»	120-150

Course policy

The cycle "Tactics of diagnosis and treatment of the main forms of coronary heart disease" in order to learn to distinguish complex manifestations of coronary heart disease, correctly prescribe examination and treatment; you must repeat all questions of etiology and pathogenesis at home the day before - it will not be discussed in class, but for not knowing this you will receive an unsatisfactory grade.

Each day you will have a new topic, and to prepare for it in the evening, you will prepare SRS topics. If you don't have textbooks, work with them in the university library. Opening hours, library contacts: http://libblog.odmu.edu.ua/p/blog-page_83.html.

Deadline policy

- All SIW assignments must be completed before the start of the practical session on the relevant topic.
- Every class missed without a reason should be completed. Working off takes place on Thursdays (one "n / b") and on Saturdays (3 "n / b"). Before practicing, be sure to complete the SIW on this topic.
- In case the lesson is missed for a good reason, the dean of the faculty will give you permission to rework on an individual schedule.

Academic Integrity Policy:

- All tasks, patient examination protocols, KROK-2 testing, reports, examination tasks must be performed by each student individually.
- Joint work on solving complex classroom tasks or SIW is allowed, however, everyone performs the written version of the completed task independently.
- It is allowed to use notes, textbooks, electronic devices during classroom and independent work.
- Plagiarism is prohibited. Those who are found to plagiarize will automatically receive a minimum score on the relevant topic.
- Cheating / prompting / using cheat sheets or technical aids during the exam will result in a "failed" grade, informing the faculty dean of the reasons for such an assessment, and retaking the exam according to the schedule.

Attendance and late arrival policy:

- It is necessary to come to class before it starts, put on a white coat, make sure that you have a phonendoscope, antiseptic, shoe covers, and the necessary study materials.
- In case of being late for the class, you must change your clothes before entering the classroom and enter the class without interrupting it. "N / b" is reworked in a standard manner.

Mobile Device Policy:

- In the classroom, it is allowed to use mobile devices, tablets and laptops exclusively for accessing educational materials and for keeping records.
- All mobile devices must be set to silent mode before the class starts.
- If it is necessary to make / receive a phone call that cannot be postponed, it is allowed to temporarily leave the classroom without interfering with the lesson.