

Brief description of the discipline (abstract) for the catalog of elective course

_____ **Topical issues of Pulmonology** _____

(name of elective course)

Speciality	Medicine 222 (22 Health Care)
Educational level	Master
Term of study (course)	5 course
Form of study	Full-time
Department	Pulmonology and Phthysiology

Summary of the course: Significant changes in the understanding of the etiology, pathogenesis, diagnosis and treatment of major respiratory diseases and increased incidence of COPD, asthma, lung cancer, fibrosing alveolitis, rare lung disease, high mortality from pneumonia and health care reform with the distribution of patients' routes in accordance with the levels of the scope of diagnosis and treatment and the predominance of syndrome diagnosis in the practice of family medicine creates the preconditions for the need to teach this course on the set of socio-economic significance of the problem for society.

The main tasks of studying the discipline are: to determine the etiological and pathogenetic factors of respiratory diseases, classify and analyze the typical clinical picture of respiratory diseases, identify different clinical variants and complications of respiratory diseases, identify the leading syndromes and symptoms in pulmonology, justify and formulate a preliminary diagnosis of respiratory diseases, make a plan for examination of the patient, interpret the results of laboratory and instrumental studies in respiratory diseases and their complications, carry out differential diagnosis, substantiate and formulate a clinical diagnosis of respiratory diseases, to determine the tactics of management (recommendations regarding the regime, diet, treatment, rehabilitation measures) of a patient with respiratory diseases, prescribe non-drug and drug treatment of respiratory diseases, carry out non-drug and drug primary and secondary prevention of respiratory diseases, to determine the prognosis and efficiency of patients with respiratory diseases, diagnose and provide medical care in emergencies, apply the basic algorithms of intensive care for emergencies in respiratory diseases, demonstrate mastery of moral and deontological principles of a medical professional and the principles of professional subordination.

Approximate list of training topics (lectures, practical, seminar):

Module 1. Topical issues of Pulmonology

Content module 1. Instrumental methods for diagnostics of respiratory diseases.

Topic 1. Instrumental methods of the respiratory diseases diagnostics.

Topic 2. Sarcoidosis of respiratory organs.

Topic 3. Benign and malignant lung tumors.

Topic 4. Fungal and viral (Covid-19) lesions of the pulmonary system. Rational antibiotic therapy for respiratory diseases.

The list of competencies, the acquisition of which will provide the discipline: General competencies:

- ability to abstract thinking, analysis and synthesis;
- ability to learn and master modern knowledge;

- ability to apply knowledge in practical situations;
- knowledge and understanding of the subject area and understanding of professional activity;

- ability to adapt and act in a new situation;
- ability to make reasonable decisions;
- ability to work in a team;
- interpersonal skills;
- ability to communicate in the state language both orally and in writing;
- ability to communicate in a foreign language;
- skills of using information and communication technologies;
- determination and perseverance in relation to the set tasks and responsibilities;
- ability to act socially responsibly and consciously;
- desire to preserve the environment;
- ability to plan and manage time;
- ability to act on the basis of ethical considerations (motives).

Professional (special) competencies:

- skills of interviewing and clinical examination of the patient;
- ability to determine the necessary list of laboratory and instrumental studies and evaluate their results;

- ability to conduct differential diagnosis;
- ability to diagnose the disease;
- ability to prescribe treatment;
- ability to diagnose emergencies;
- skills of providing emergency medical care;
- skills of performing medical manipulations;
- ability to keep medical records;
- ability to carry out sanitary and hygienic and preventive measures.

The list of scientific and pedagogical (pedagogical) employees who will ensure the conduct of the elective course:

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