

**Annotation of the working programme of the discipline
"Professional Diseases".**

The basic professional educational program of higher education for speciality 31.05.01 Medicine approved on 24.05.2023

Form of study: full-time

Term of study of Basic vocational education program: 6 years

Department: Internal Diseases 2

1. The aim of the discipline: is to master the knowledge of etiology, pathogenesis, clinical manifestations, as well as the principles of diagnosis of major diseases resulting from professional activity, as well as the principles of their treatment and prevention.

2. The place of the discipline in the structure of educational program of HPE: the discipline "Occupational diseases" refers to the compulsory part of the program of Block 1 of FSES of HPE in the specialty 31.05.01 Medicine.

Requirements to the results of the study of the discipline:

Teaching of this discipline is based on the following types of professional activity:

- medical;
- Organization and management;
- Scientific-research.

The process of studying the discipline is aimed at the formation and development of competencies:

GPC-8, GPC-1, GPC-5, GPC-6, GPC-8.

As a result of the study of the discipline the student must

Know:

- main types of medicines used in the therapy of occupational diseases.
- Basic medicines, their international nonproprietary names, rules of their combination with each other;
- rules of prescribing and administering of medicines;
- indicators of public health;
- Factors that shape human health (environmental, occupational);
- principles of prevention of the most common occupational diseases;
- Organization of prophylactic measures for occupational safety and health;
- Basic clinical symptoms of occupational diseases of dust etiology and mechanism of their occurrence;
- diagnostic significance of general clinical laboratory and instrumental methods of investigation;
- etiology, pathogenesis, clinical picture, principles of diagnostics and differential diagnostics;
- Principles of treatment of the main groups of occupational diseases.
- examination of work capacity;
- peculiarities of the course of the most common occupational diseases.

Be able to:

- Prescribe appropriate drug therapy according to the diagnosis;
- choose the optimal variant of treatment, prescribe drug therapy taking into account pharmacokinetics and pharmacodynamics of drugs, prevention of undesirable side effects, write prescriptions;
- Evaluate the health status of the population and the impact of the work environment factors on it;

assess the health status of the population, the impact of occupational factors on it; -use methods of primary and secondary prevention (based on evidence-based medicine) in therapeutic activities;

- interview the patient (and/or) relatives, identifying possible causes of his/her illness;
- carry out a physical examination of the patient and identify objective signs of the disease;
- make a plan for additional examinations of the patient;
- assess the results of blood, urine, sputum, faeces and biochemical analysis of the blood;
- be able to present the results of the examination of the patient verbally and in writing;
- carry out a general clinical examination;
- plan the scope of additional investigations to clarify the diagnosis and obtain a reliable result.

Know:

- Methods for prescribing appropriate drug therapy as well as combinations of drugs;
- Methods of assessing and monitoring the effectiveness of the therapy;
- Learn how to present an independent viewpoint;
- skills in analysis and logical thinking;
- Methods of health education;
- Methods of primary and secondary prevention;
- methods of general clinical examination, interpretation of the results of laboratory and instrumental methods of diagnostics, correct management of medical documentation;
- Basic medical diagnostic and therapeutic measures;

Algorithm of clinical diagnosis; -Algorithm of clinical diagnosis.

1. total labor input of course makes up: 2 credit units (72 hours).
2. Semester: 7.
3. Main sections of the discipline:
4. Occupational diseases of dust etiology;
4. Occupational diseases caused by exposure to physical factors of the production environment.
4. Occupational diseases caused by exposure to chemical factors of the working environment.

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