

Annotation of the work program of the discipline " Radiodiagnosis"

The main professional educational program of higher education is a specialist's program in specialty 31.05.01 General Medicine , approved on 24/05/2023.

Full-time form of education

Term of development of OPOP VO: 6 years

Department: Radiation Diagnostics and Radiation Therapy with Oncology

In developing an educational training program, the discipline is based on:

1. Federal State Educational Standard of Higher Education on specialty 31.05.01 General Medicine, approved by the Ministry of Education and Science of the Russian Federation on February 9, 2016 №95

2. Academic plan on specialty 31.05.01 General Medicine, approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia on May 24, 2023, Protocol No. 8

The work program of the discipline was approved at a meeting of the Department of Radiation Diagnostics and Radiation Therapy with Oncology on May 21, 2023, Protocol No. 10.

The work program of the discipline was approved at a meeting of the central coordinating educational and methodological council on May 23, 2023, Protocol No. 5.

The work program of the discipline was approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia on May 24, 2023, Protocol No. 8

The purpose of the discipline: is the development of the discipline, participation in the formation of general professional (GPC-1,) and professional (PC-1, 2, 5, 6) competencies in the field of knowledge in radiation diagnostics.

2. The place of discipline in the structure of the BRI IN:

The discipline belongs to the disciplines of the basic part block 1 FGOS VO in the specialty " General Medicine ".

3. Requirements for the results of development disciplines:

The teaching of this discipline is based on the following types of professional activities:

- preventive.
- diagnostic.
- research.
- organizational and managerial;
- research.

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

No. p / p	Competency code	The content of the competence (or part of it)
1.	GPC-1	willingness to solve standard tasks of professional activity with using information, bibliographic resources, medical and biological terminology, information and communication technologies and accounting major information security requirements
2.	PC-1	ability and willingness to implementation of a set of measures aimed at preserving and health promotion and including the formation of a healthy lifestyle life, prevention of the occurrence and (or) spread of diseases, their early diagnosis, identification of the causes and conditions for their occurrence and development, as well as aimed at eliminating harmful effects on human health of environmental factors
3.	PC-2	ability and willingness to carrying out preventive medical examinations, clinical examination and dispensary observations
4.	PC-5	readiness to collect and analyze the patient's complaints, his medical history data, examination results, laboratory, instrumental, pathological anatomical and other studies in order to recognize the condition or establishing the presence or absence of a disease
5.	PC-6	the ability to determine the patient's main pathological states, symptoms, syndromes diseases, nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems

As a result of studying the discipline, the student must

know:

- The history of the development of radiology, the structure of the x-ray tube, cabinet,
- radiation protection methods,
methods: X-ray, CT, MRI, ultrasound, etc.
- Radiation registration methods.
- Radiopharmaceuticals, requirements for them.
- pathological radiological symptoms of diseases
- organization of mass fluorographic examination for the purpose of early detection of tuberculosis, tumors.

be able to:

- Based on the anamnesis and clinical picture of the disease, determine the indications and contraindications for radiation therapy. survey;
- recognize the research method, projection, pathological symptoms
- draw up a protocol for describing the image according to the scheme and put conclusion.

own:

- radiation method for examining patients (fluoroscopy, radiography), laying organs for various pathologies,
- skills to analyze and interpret the results of modern diagnostic technologies by differential diagnostics, methods of maintaining medical records.

-methods of protecting patients and staff (lead aprons, lead aprons)

4. The total complexity of the discipline: is 2 credit units (72 _ hours).

5. Semester: 6

6. Main sections disciplines:

Topic 1. Introduction. General issues of radiation diagnostics.

Topic 2. Radiation diagnostics in neurology.

Topic 3 . Lungs in the ray image

Topic 4 Radiation diagnostics of the heart and large vessels.

Topic 5 Osteo-articular system in a beam image.

Topic 6 Methods of radiation diagnostics of diseases of the esophagus, stomach, intestines.
retroperitoneal space, skeletal system,

Topic 7. Comprehensive radiodiagnosis of diseases of the hepato-pancreato-biliary system.

Topic 8. Comprehensive X-ray examination of the kidneys and urinary tract.

Topic 9. Mammography. Radiation diagnostics of the genital organs.

Topic 10. Radiation diagnostics in otorhinolaryngology, endocrine system.

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