

## Diagnostic testing

### Discipline “X-Ray Diagnostics”

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| <b>Curriculum</b>          | 31.05.01                            |
| <b>Specialty</b>           | General Medicine                    |
| <b>Form of education</b>   | Full-time                           |
| <b>Designer Department</b> | Multidisciplinary clinical training |
| <b>Graduate Department</b> | Internal diseases                   |

6<sup>th</sup> term

| <b>Competence</b>                             | <b>Task</b>   | <b>Answers</b>  | <b>Types of complexity</b> |
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| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose all correct answers from the given list)<br>Radiological methods for examining a person include:  | 1. X-ray<br>2. fluoroscopy<br>3. computed tomography<br>4. Doppler<br>5. perfusion scintigraphy   | high                       |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose all correct answers from the given list)<br>Three-dimensional reconstruction of the patient's body is carried out with:   | 1. Ultrasound<br>2. teleradiography<br>3. topography<br>4. Spiral computed tomography<br>5. Thermography  | high                       |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose one correct answer from the given list)<br>Sialography is   | 1. method of examination of the pancreas<br>2. method of examination of the spinal canal<br>3. method for examining the ducts of the salivary glands<br>4. tomographic technique<br>5. one of the options for ultrasound                    | average                    |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose all correct answers from the given list)<br><br>For research to visualize the soft tissues of the human body the following methods of radiation diagnostics are used: | 1. esophagography<br>2. magnetic resonance imaging<br>3. topometry<br>4. ultrasound<br>5. targeted radiography  | average                    |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose one correct answer from the given list)<br>The discovery of X-rays occurred in:   | 1. 1885<br>2. 1890<br>3. 1895<br>4. 1900<br>5. 1905   | low level                  |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose all correct answers from the given list)<br><br>Lateroposition used in radiology  | 1. to exclude the presence of free gas in the abdominal cavity<br>2. in case of impossibility to take pictures in the vertical position of the patient<br>3. in intensive care<br>4. to exclude the presence of free liquid in the cavities | high                       |

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|   |   | 5. for examination of the organs of the chest and abdominal cavity   |           |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose one correct answer from the given list)<br><br>Produced radiographs for the first time in Russia                                      | 1. M.I. Nemenov<br>2. S.A. Reinberg<br>3. I.P. Pavlov<br>4. D.I. Mendeleev<br>5. A.S. Popov  | low level |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose one correct answer from the given list)<br><br>The first monument to Wilhelm Conrad Roentgen was unveiled                             | 1. in Würzburg<br>2. in Petrograd<br>3. in Moscow<br>4. in Berlin<br>5. New York   | average   |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose all correct answers from the given list)<br><br>To non-ionizing types of radiation used in radiation diagnostics relate:              | 1. infrared radiation<br>2. ultraviolet radiation<br>3. ultrasound<br>4. infrasound<br>5. gamma radiation  | high      |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose all correct answers from the given list)<br><br>To ionizing quantum radiations used in radiation diagnostics relate:                  | 1. infrasound<br>2. bremsstrahlung<br>3. infrared radiation<br>4. gamma radiation<br>5. neutron radiation  | high      |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose one correct answer from the given list)<br><br>The final decision on the need for an x-ray research takes                             | 1. attending physician<br>2. patient<br>3. radiologist<br>4. legal representative of the patient (in case of incapacity of the latter)<br>5. dosimetrist | low level |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose one correct answer from the given list)<br><br>X-ray examination of the colon with retrograde filling contrast:                       | 1. irrigoscopy<br>2. colonoscopy<br>3. phlebography<br>4. sigmoidoscopy<br>5. fistulography  | low level |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose all correct answers from the given list)<br><br>The study of the cardiovascular system includes the following methods:                | 1. phlebography<br>2. arteriography<br>3. lymphography<br>4. dopplerography<br>5. radiography in frontal and oblique projections                         | high      |
| GPC -4.1, GPC -4.2, GPC -4.3, GPC-5.1, PC-8.2 | (choose all correct answers from the given list)<br><br>The study of the cardiovascular system includes the following methods radiodiagnosis: | 1. electrocardiography<br>2. arteriography<br>3. phonocardiography<br>4. CT angiography<br>5. blood pressure measurement                                 | high      |
| GPC -4.1, GPC -4.2, GPC -4.3,                 | (choose all correct answers from the given list)  | 1. electroradiography<br>2. computed tomography  | high      |

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| GPC-5.1,<br>PC-8.2                                     | To study the state of the brain, the following radiation methods are used diagnostics:  | 3. magnetic resonance imaging<br>4. electroencephalography<br>5. Ultrasound examination of the brain in adults   |         |
| GPC -4.1, GPC -4.2,<br>GPC -4.3,<br>GPC-5.1,<br>PC-8.2 | (choose all correct answers from the given list)<br><br>The following can be used to detect fluid in the pleural cavity.<br>methods of radiation diagnostics: | 1. spirometry<br>2. fluoroscopy<br>3. inhalation scintigraphy<br>4. ultrasound<br>5. measurement of forced inspiratory volume  | high    |
| GPC -4.1, GPC -4.2,<br>GPC -4.3,<br>GPC-5.1,<br>PC-8.2 | (choose all correct answers from the given list)<br><br>The following can be used to detect fluid in the pleural cavity.<br>methods of radiation diagnostics  | 1. computed tomography<br>2. measuring lung capacity<br>3. spirometry<br>4. thoracoscopy<br>5. Ultrasound  | high    |
| GPC -4.1, GPC -4.2,<br>GPC -4.3,<br>GPC-5.1,<br>PC-8.2 | (choose all correct answers from the given list)<br><br>The following can be used to detect fluid in the pleural cavity.<br>methods of radiation diagnostics: | 1. radiography in lateroposition<br>2. X-ray in the vertical position of the patient<br>3. fluoroscopy<br>4. ultrasound examination<br>5. spiral computed tomography | high    |
| GPC -4.1, GPC -4.2,<br>GPC -4.3,<br>GPC-5.1,<br>PC-8.2 | (choose all correct answers from the given list)<br><br>To study the function of the lungs, the following methods of radiation are used diagnostics:          | 1. Pneumopolygraphy<br>2. computed tomography<br>3. perfusion scintigraphy<br>4. positron emission tomography<br>5. inhalation scintigraphy                          | High    |
| GPC -4.1, GPC -4.2,<br>GPC -4.3,<br>GPC-5.1,<br>PC-8.2 | (choose one correct answer from the given list)<br><br>To study the function of the lungs, the following radiation method is used diagnostics:                | 1. bicycle ergometry<br>2. pneumopolygraphy<br>3. spirometry<br>4. magnetic resonance imaging<br>5. gamma spectrography  | average |