Thematic plan of seminar-type classes
in the discipline "Radiation diagnostics"
for students of the educational program of specialization
on specialty/training direction 31.05.03 Dentistry,
specialty (profile) Dentistry, form of full-time education
for 2023-2024 academic year

№	Topics	Hours (acad.)
1.	X-ray method of radiation diagnostics. 1 Physical and technical foundations of radiologic methods of diagnostics. Indications contraindications. Diagnostic possibilities. 2 Part 1	2
	X-ray method of radiation diagnostics. 1 Physical and technical foundations of radiologic methods of diagnostics. Indications contraindications. Diagnostic possibilities. 2 Part 2	1
2.	Ultrasonic method of radiation diagnostics. 1 Physical and technical foundations of ultrasonic methods of diagnosis. Indications and contraindications. Diagnostic capabilities. 2. Part 1	2
	Ultrasonic method of radiation diagnostics. 1 Physical and technical foundations of ultrasonic methods of diagnosis. Indications and contraindications. Diagnostic capabilities. 2. Part 2	1
3.	Radionuclide method of radiation diagnostics. 1 Physico-technical bases of research methods. 2. Part 1	2
	Thermal imaging method of radiation diagnostics. 1 Physical and technical basis of thermal imaging methods of diagnostics. Indications and contraindications. Diagnostic capabilities. 2. Part 2	1
4.	Magnetic resonance method of radial diagnostics. 1 Physical and technical basis of MR-methods of diagnostics. Indications contraindications. 2. Part 1	2
	Magnetic resonance method of radial diagnostics. 1 Indications and contraindications. Diagnostic capabilities. Organization of radial diagnostics service. Ethics and deontology in departments of radial diagnostics. 2. Part 2	1
5.	Radiation study of respiratory organs. 1 Types, methods, techniques, radiation anatomy, semiotics. 2. Part 1	2
	Radiologic examination of the respiratory organs. 1 Types. Methods. Methods. Radiation anatomy of respiratory organs. 2. Part 2	1
6.	Radiologic examination of the heart and large vessels. 1 Types. Methods. Methods. Scheme of analysis. Protocol. 2. Part 1	2
	Radiologic examination of the heart and large vessels. 1 Scheme of analysis, protocol. 2. Part 2	1
7.	Radiation study of the digestive tract. 1 Types, methods, techniques, radiation anatomy, semiotics. 2. Part 1	2
	Radiation examination of the digestive tract. 1 Types. Methods. Methods. Radial anatomy of the digestive tract. Scheme of analysis, protocol. 2. Part 2	1
8.	Radiation study of the liver and biliary tract. 1 Types, methods, techniques, radial anatomy, semiotics. 2. Part 1	2
	Radiation study of the liver and biliary tract. 1 Types, methods, techniques, radial anatomy, semiotics. 2. Part 2	1
9.	Radiation examination of kidneys and urinary system. 1 Types. Methods. Methods. Radiation anatomy, semiotics 2. Part 1	2
	Radiation examination of kidneys and urinary system. 1 Types. Methods. Methods. Radiation anatomy, semiotics 2. Part 2	1
10.	Radiation study of bones and joints. 1 Types, methods, techniques, radial anatomy, semiotics. 2. Part 1	2

	Radiologic examination of bones and joints. 1 Types. Methods. Methods. Radiation anatomy. Scheme of analysis, protocol. 2. Part 2	1
11.	Radiation study in dentistry. 1 Types, methods, techniques, radiation anatomy, semiotics. 2. Part 1	2
	Radiologic examination in dentistry. 1 Types. Methods. Methods. Radiation anatomy, semiotics, possibilities of methods. 2. Part 2	1
12.	Radiation study of traumatic injuries in dentistry. 1 Types, methods, techniques, radiation anatomy, semiotics. 2. Part 1	2
	Radiologic examination of traumatic injuries in dentistry. 1 Types. Methods. Methods. Radiation anatomy. Scheme of analysis, protocol of X-ray examination of maxillofacial zone 2. Part 2	1
13.	Radiation study of inflammatory diseases in dentistry. 1 Types, methods, techniques, radiation anatomy, semiotics. 2. Part 1	2
	Radiation study of inflammatory diseases in dentistry. 1 Types. Methods. Methods. Radiation anatomy. Scheme of analysis. Protocol of X-ray examination. 2. Part 2	2
14.	Radiation study of inflammatory diseases in dentistry. 1 Types, methods, techniques, radiation anatomy, semiotics. Part 1	2
	Radiation study of inflammatory diseases in dentistry. 1 Types. Methods. Methods. Radiation anatomy. Scheme of analysis. Protocol. Parsing of independent work. 2. Part 2	2
15.	Radiation study of tumors and cysts in dentistry. 1 Types, methods, techniques, radiation anatomy, semiotics. 2. Part 1	2
	Radiation examination of tumors and cysts in dentistry. 1 Types. Methods. Methods. Radiation anatomy. Analysis of radiographs. 2. Part 2.	2
16.	Intermediate assessment	2
	Total	52

1 - topic
2 - essential content (if necessary)
3 - one thematic block includes several seminar-type classes, the duration of one class is 45 minutes with a break between classes of at least 10 minutes.

Considered at the meeting of the Department of Radiation Diagnostics June 1, 2023, protocol № 11.

Head of the Department  E.V.Gorelik