



УО «Гродненский государственный медицинский университет»

Кафедра лучевой диагностики и лучевой терапии

Тематический план лекций и практических занятий

по учебной дисциплине «Радиационная и экологическая медицина»

для специальности 1-79 01 01 «Лечебное дело» (ЛФ и ФИУ), 1-79 01 02 «Педиатрия»,

1-79 01 04 «Медико-диагностическое дело».

на IV семестр 2020-2021 учебного года

Перечень лекций

№	Наименование лекции	Прод-ть лекции	УСРС
1	Introduction in Radiation Medicine. Basics of action of ionizing radiation <i>Вопросы УСРС: The history of development.</i>	1,3	0,7
2	Radiation background exposure of the Earth, its components <i>Вопросы на УСРС: Radioactive fallout due to nuclear weapons tests. Sources of ionizing radiation used in medicine.</i>	1,3	0,7
3	Radiosensitivity. <i>Вопросы на УСРС: Individual and age differences of radiosensitivity. The effect of radiation on the embryo and fetus</i>	1,3	0,7
4	Control of radiation safety. <i>Вопросы на УСРС: The impact of the Chernobyl release radionuclides on the population of the republic and their participation in the formation of effective doses to the population at different times after the accident.</i>	1,3	0,7
5	Clinical examination of the population of the Republic of Belarus <i>Вопросы на УСРС: Radiation safety: concept, basic principles and ways to ensure. Categories and situations of exposure, categories of irradiated persons and the corresponding dose limits.</i>		2.0
Итого: 10 часов			

Перечень практических занятий

№	Наименование тем практических занятий	Прод-ть практич.	УСРС
1	Introduction to radiation medicine. Bases of ionizing radiation.	3	
2	Radioactivity. Units of measurement.	3	
3	Dosimetry and radiometry.	3	
4	Radiation background exposure of the Earth, its components . Natural sources of ionizing radiation.	3	
5	Radiosensitivity.	3	
6	Radiation injury of the human organism. Deterministic and stochastic effects of irradiation.	3	
7	Medical exposure. The principles of reducing radiation dose on the human body.	3	
8	Program of liquidation of consequences of the Chernobyl accident. The main dose – forming radionuclides of the Chernobyl release.	3	
9	Control of radiation safety. The differentiated test.	3	
10	The principles of reducing radiation dose on the human body.		3
Итого: 30 часов			