

## **RADIATION MEDICINE**

Guidelines for the 2<sup>nd</sup> year students (Faculty for International Students)

### **LESSON № 9: CONTROL OF RADIATION SAFETY**

**THE AIM: to get acquaint** with the methods and principles of ensuring radiation safety;

**to study** the basic techniques and measures to ensure radiation safety;  
**to master** criteria for decision of making population protection in radiation accidents;  
**to perform** laboratory work .

**DURATION:** 3.0 hours.

**PLACE:** student's workshop.

**EQUIPMENT:** methodical grant, tables, PowerPoint presentation, tasks according to the topic.

#### **Required theoretical knowledge**

1. Radiation safety: concept, basic principles and ways to ensure.
2. State government regulation in the field of radiation safety.
3. General characteristics of the main documents that regulate the work with ionizing radiation sources.
4. Categories and situations of exposure, categories of irradiated persons and the corresponding dose limits.

### **The differentiated test on the subject "Radiation and environmental medicine"**

#### **Literature**

##### **Basic:**

1. Radiation medicine : учебное пособие для иностранных студентов учреждений высшего образования : допущено Министерством образования Республики Беларусь / А.Н. Стожаров [и др.]; под ред. А.Н. Стожарова. – Минск: Новое знание, 2020. – 203 с.

##### **Additional:**

1. Мойсеёнок, Е.А. Лекции по радиационной медицине (в таблицах) = Lectures on Radiation Medicine (in tables): пособие для студентов факультета иностранных учащихся (на английском языке) [изд. на CD-дисках] / Мойсеёнок Е.А. – Электрон. текст. дан. и прогр. (объем 29 Мб). – Гродно: ГрГМУ, 2012. – 1 электрон. опт. диск (CD-ROM).

2. Radiation and Ecological Medicine: Electronic Educational and Methodological Complex. Access: <http://edu.grsmu.by/course/view.php?id=99>