

LECTURES
«MEDICAL AND BIOLOGICAL PHYSICS»
Anglophone Students of the 1 Course
Specialty «GENERAL MEDICINE»
2 term of 2024/2025

No.	Lecture Theme
1	Interaction of light with matter: absorption and scattering. Application in Medicine
2	Elements of Quantum Physics. Corpuscular properties of light. Photoelectric effect. Thermal radiation
3	Luminescence. Luminescent methods of analysis in Biology and Medicine
4	Laser radiation: generation, properties, application in Medicine
5	Photobiological processes. Photomedicine
6	Physical fundamentals of X-ray diagnostics and radiotherapy
7	Physical fundamentals of Nuclear Medicine
8	Methods of Non-ionizing Medical Introscopy. Physical fundamentals of Magnetic Resonance Imaging

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Зав. каф., д.м.н.

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