

INFLUENCE OF CONTINUOUS AND PULSED
LASER RADIATION ON OPTICAL AND THERMAL
PROPERTIES OF BIOLOGICAL TISSUES

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S u m m a r y

An experimental installation is created to research the features in the optical and thermophysical properties of biological tissues under the action of continuous and pulsed laser radiation. The results obtained form a basis for the development of a complex technique aimed at estimating the influence of laser radiation and calculating the laser radiation dose obtained in the course of a laser therapy session. The data obtained may be useful to identify the pathologies of tissues and to accurately determine their boundaries already at the early stages of their evolution, which is important for the proper diagnostics and in surgery.