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INELASTIC, ELASTIC PROPERTIES OF SiO2, CaO, RADIATION CROSSLINKED HYDROGELS AND AUTOMATED SYSTEM ”KERN-DP”

Bandages from the radiation cross-linked hydrogels show by itself elastic films with thickness h = 2÷4 . 10-3 m – transparent jelly sterile material, that with C = 85÷90% consists of distillate water. Such bandages for wounds for the grant of the urgent help at bleeding, burns must be biologically compatible and not stick to the wounds. They can contain antiseptic, anaesthetic, haemostatic. SiO2, CaO as biocompatible are widely used in prosthesis and in implantology. Endoprosthetics - are the basic method of treatment of pathology of thurl, which allows to deliver a patient from claudication and pain. The software “KERN-DP” is developed for the automated system of anisotropy parameters analysis.

Primary author: Dr ONANKO, Anatoliy (Taras Shevchenko National University of Kyiv, faculty of physics, functional materials chair)

Co-authors: Prof. KULISH, Mykola (Taras Shevchenko National University of Kyiv, faculty of physics, functional materials chair); Dr ONANKO, Yuriy (Taras Shevchenko National University of Kyiv); Prof. VYZHVA, Sergiy (Taras Shevchenko National University of Kyiv); Dr CHARNYI, Dmitriy (Taras Shevchenko National University of Kyiv); Dr DMITRENKO, Oksana (Taras Shevchenko National University of Kyiv); Dr POLOVINA, Oleksiy (Taras Shevchenko National University of Kyiv)

Presenter: Dr ONANKO, Anatoliy (Taras Shevchenko National University of Kyiv, faculty of physics, functional materials chair)

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