

RUSSIAN MINISTRY OF SCIENCE AND HIGHER EDUCATION

RUSSIAN MINISTRY OF HEALTH

RUSSIAN SCIENCE FOUNDATION

STATE ATOMIC ENERGY CORPORATION ROSATOM

NATIONAL RESEARCH NUCLEAR UNIVERSITY MEPhI
(MOSCOW ENGINEERING PHYSICS INSTITUTE)

The 5th International Symposium and International School for Young Scientists on “Physics, Engineering and Technologies for BioMedicine”

November 21-25, 2020

PROGRAMME
BOOK OF ABSTRACTS

MOSCOW

УДК 57.089

ББК 5

P 50

Physics, Engineering and Technologies for Biomedicine. The 5th International Symposium and International School for Young Scientists November 21-25, 2020: Programme. Book of Abstracts. Moscow MPhI, 2020.– 172 p.

The International Symposium and International School for Young Scientists on «Physics, Engineering and Technologies for BioMedicine» is held annually by the Institute PhysBio at MPhI in Moscow (Russia). The Symposium and School aims at bringing together leading scientists, experts, young scientists and students to present their achievements in the format of the invited lectures and poster reports in nuclear medicine, biophysics, bio-photonics, and etc.

Abstracts are published in author's edition

ISBN 978-5-7262-2715-3

© National Research Nuclear University MPhI,
2020

5th International Symposium and School for Young Scientists on
“Physics, Engineering and Technologies for Biomedicine”

**INFRARED THERMOGRAPHY AND THERMOGRAPHIC
ANALYSIS IN LASER DENTISTRY AND ORTHOPEDICS**

Denise Zezell

IPEN Center for Laser and Applications (CLA), Brazil

Infrared thermography imaging has been used to diagnose a number of diseases where superficial temperature can indicate the presence of inflammation in underlying tissues or where blood flow is increased or decreased due to a clinical abnormality. Thermographic analysis can be used to determine the safe laser irradiation conditions when developing a new clinical procedure. In this talk, the basis of Infrared Thermography will be presented, and examples of measurements during laser treatment of myofascial back pain syndrome, temporomandibular disorders, dental cavity preparation with laser, caries prevention with lasers, laser in endodontics, periodontics, prosthodontics and implants will be presented.

Подписано в печать 14.12.2020
Формат 60×84 1/16 Печ. л. 10,75
Национальный исследовательский ядерный университет «МИФИ»
Типография НИЯУ МИФИ
115409, Москва, Каширское ш., 31