

# STATEMENT

By assoc. prof. Hristo Ivanov Daskalov, DMD, PhD  
Medical University Plovdiv, Faculty of Dental Medicine  
Department of Oral Surgery, specialist in oral surgery

**on**

a dissertation work for awarding the educational and scientific title “Doctor”

Professional field – Dental Medicine

Doctorate program – Oral Surgery

Author: Dr. Velimira Hristova Georgieva

Form of doctorate program: regular PhD student

Department: Oral Surgery, Faculty of Dental Medicine, Medical University of Varna

Subject: “Application of dental lasers for treatment of patients in oral surgery”

Supervisor: Prof. Tihomir Georgiev, DMD, PhD, DSc

The current statement is based on order № P-109-208/12.05.2022 of the Rector of Medical University – Varna, regarding the procedure of defending the above stated dissertation work in the scientific specialty: Oral surgery 03.03.04, and in execution of the Law on the Development of Academic Staff in the Republic of Bulgaria, the Regulations for the Application of the Law and the Regulations of Medical University – Varna.

## **1. General presentation of the procedure and the PhD student**

The presented set of documents on paper/electronic media is prepared correctly in compliance with the requirements of Medical University – Varna’s regulations book.

The PhD student has presented three articles regarding the dissertation work. Dr. Velimira Georgieva has acquired a specialty in Oral Surgery since 2022.

Based on the presented documentation, Dr. Georgieva has the necessary competence and professional qualification to be awarded the educational and scientific title “Doctor”.

## **2. Relevance of the topic**

The presented dissertation work analyzes a current issue in oral surgery. Lasers are a relatively new treatment modality in dentistry. In oral surgery they may be used in several fields, giving clinicians the ability to intervene on both hard and soft tissues with them. However, the application of lasers in oral surgery is limited, probably due to the lack of convincing evidence in their advantages over other classic treatment methods.

In this sense the topic selection is current and dissertable.

## **3. Knowledge of the topic**

The literature review is based on 158 sources in English and is in accordance with the requirements.

The literature review is comprehensive, purposeful, analytical and covers all aspects of the issue. The current state of the issue is skillfully outlined and the unsolved problems have been stated.

Based on this review the aim of the scientific work has been drawn – “Improving the effectiveness of treatment of patients using dental lasers”

Dr. Georgieva is familiar with the state of the issue and assesses constructively the literature materials.

## **4. Characteristics and evaluation of the dissertation work and contributions**

The dissertation work includes 189 pages. It is illustrated with 69 tables and 70 figures. The bibliography includes 158 sources.

The structure of the presented for evaluation dissertation work fulfills the requirements of the LDASRB and the Regulations book of Medical University of Varna.

To accomplish her aim, the PhD student has formulated 3 tasks. They are completely sufficient to lay grounds for the developed thesis.

The clinical material (116 patients) on which the study is conducted is sufficient in size. The sections “materials and methods” have been constructed correctly and comprehensively. The results are well-structured and illustrated. The conducted research establishes that lasers are highly effective in performing frenulotomies in children. Adults reports increased comfort during apicectomy and cystectomy due to the contactless mode. In the treatment of alveolitis lasers accelerate the process of epithelization and reduce the pain from inflammation.

The conducted analysis and discussion of results display sound professional training and in-depth clinical thinking of the PhD student.

The conclusions are eleven and logically follow the obtained results.

The contributions are theoretical and scientific-practical in nature.

## **5. Author's summary**

The author's summary is written in compliance with the requirements and denotes the main results obtained by the author.

## **CONCLUSION**

The presented for statement dissertation work by Dr. Velimira Hristova Georgieva “Application of dental lasers for treatment of patients in oral surgery” addresses a current issue in oral surgery concerning the use of different kinds of lasers. In this regard the selection of topic of the dissertation work is current and actual.

The in-depth literature review and its constructive assessment has allowed Dr. Georgieva to draw the aim of her scientific work, which is namely “Improving the effectiveness of treatment of patients using dental lasers”.

The dissertation work contains clinical material that is of scientific interest. The presentation and interpretation of results gives me reason to assume that the dissertation work is a complete scientific study and a personal deed of the PhD student.

Assessing the merits of this work I assume that it is completed according to the requirements of the Law of Higher Education, the Law on the Development of Academic Staff in the Republic of Bulgaria and the Regulations of its application for awarding the educational and scientific title “DOCTOR”.

The presented materials and results are correspondent with the specific requirements of the Regulations book of Medical University Varna, accepted in relation to the application of LDASRB.

Due to the forementioned I give my **positive assessment** of the presented for statement dissertation work and **suggest the scientific jury award Dr. Velimira Hristova Georgieva with the educational and scientific title “Doctor”** in the doctorate program – Oral surgery, code 03.03.04.

**Date:**

09.06.2022

**Statement by:**

  
/assoc.prof. Hristo Ivanov Daskalov, DMD, PhD/