

OPINION

By: Assoc. Prof. Dr. Desislava Atanasova Konstantinova, DMD, PhD, Department of Dental Materials Science and Prosthetic Dentistry, FDM, MU "Prof. Dr. Paraskev Stoyanov"- Varna, Tsar Osvoboditel Blvd. No. 84, e-mail: dr.konstantinova@gmail.com, Member of the Scientific Jury, according to order **No. R - 109 - 394/08.09.2023** of the Rector of MU – Varna

Regarding: PhD Thesis "PROSTHETIC TREATMENT OF PATIENTS WITH A STRONG NAUSEA AND VOMITING REFLEX" for awarding the educational and scientific degree "doctor" in the doctoral program "orthopedic dentistry", professional direction 7.2. Dentistry, field of higher education 7. Health care and sports

Author: Dr. Tsvetelina Nikolova Kanlieva, full-time doctoral student at the Department of DMSPD, FDM, MU "Prof. Dr. Paraskev Stoyanov" - Varna. Scientific supervisor is Prof. Dr. Metodi Zahariev Abadzhiev, MD.

1. General presentation of the procedure

The presented set of documents on paper and electronic media is in accordance with the requirements of Art. 69 of the Regulations for the Development of the Academic Staff of MU - Varna. They are precisely described and strictly arranged by the doctoral student.

2. Biographical data of the doctoral student

Dr. Tsvetelina Nikolova Kanlieva was born on August 4, 1988 in Velingrad. In 2007, she graduated from "High School of St. St. Cyril and Methodius" Velingrad, - profile "Mathematics and informatics" with study of Foreign languages - English and German. In 2013, she graduated from Medical University - Plovdiv. Since 2018, she has been a full-time assistant at the Department of Prosthetic Dentistry. In 2022, she acquired a specialty in prosthetic dentistry after her training at MU - Varna in the period from 2019 to 2022. As an assistant, she conducts practical exercises in Prosthetic Dentistry at FDM-Varna for students in the Bulgarian- and English-language program.

3. Actuality of the topic and appropriateness of the set goals and tasks

Manifested nausea reflex is a common problem in everyday dental practice. Various scientific studies prove that such patients have deteriorated dental health due to the inability to maintain good personal oral hygiene and, on the other hand, due to inevitable mechanical irritation during various dental procedures. These highly unfavorable conditions often lead to tooth loss and the corresponding need for prosthetic rehabilitation. In some of these patients, it was found that they could not use the prosthetic structures due to a feeling of nausea. Different approaches are being sought in ambulatory dental practices to manage the nausea reflex - antiemetic drugs, contact anesthetics (Lidocaine), etc. Some cognitive and various alternative therapies such as acupuncture and acupressure are also known to manage nausea reflex. There



is no consensus on the effectiveness of a particular method in the available scientific literature. A combination of several treatment approaches is rather recommended. All of the above makes the topic of Dr. Tsvetelina Kanlieva's dissertation important, relevant and extremely practically oriented. The aim of the dissertation - "to examine the nausea and vomiting reflex in risk patients and to create algorithms for working with them in various prosthetic manipulations", is correctly formulated and is achieved by solving four tasks. Three of the tasks have two subtasks each.

4. Problem comprehension

Dr. Tsvetelina Kanlieva has acquired thorough theoretical knowledge about the developed topic, which was established by the critical analysis of 175 literary sources, 45 of which are in Cyrillic and 130 are in Latin. The exposition is detailed, understandable, written in a good scientific style.

5. Research methodology

The material is sufficient to produce reliable and representative results. The methods are modern and adequately adapted to each of the tasks. Dr. Kanlieva has used established approaches and innovative techniques, which allow solving the tasks of the dissertation work at a high scientific level.

6. Characterization and evaluation of the dissertation work

The dissertation contains 162 pages. It is extremely well illustrated with 21 tables, 95 figures and 6 appendices. The obtained results have been comprehensively analyzed and logically significant conclusions for dental practices have been drawn from them, including:

- "The triggering of nausea reflex depends on the size of the receptor field, not on superficial or deep sensation."
- "The difference between patients with nausea reflex after treatment with lidocaine and after treatment with homeopathic medicines is 4.48%, therefore homeopathic medicines can be used as an alternative to lidocaine".

and other.

7. Contributions and significance of the dissertation work for science and practice

I accept the contributions presented by the dissertation.

8. Personal participation of the PhD student

I believe that the conducted experiments and the analyzes related to them, as well as the presented contributions, are personal work of Dr. Kanlieva.



9. Abstract

The abstract meets the requirements of the Law on the Development of the Academic Staff of the Republic of Bulgaria and the Regulations on the Development of the Academic Staff of MU - Varna.


Conclusion:

The dissertation work developed by Dr. Tsvetelina Kanlieva is on a contemporaneous topic and the contributions made meet the requirements of the Law on the Development of the Academic Staff of the Republic of Bulgaria (ZRASRB), the Regulations for the Implementation of the ZRASRB and the Regulations for the Development of the Academic Staff of MU - Varna.

Based on the analysis made by me, I evaluate positively the dissertation work on the topic **"PROSTHETIC TREATMENT OF PATIENTS WITH A STRONG NAUSEA AND VOMITING REFLEX"** and its scientific contributions, and I vote "yes" to awarding the educational and scientific degree "doctor" in the doctoral program "orthopedic dentistry", professional direction 7.2. Dentistry, area of higher education 7. Health care and sports to Dr. Tsvetelina Nikolova Kanlieva.

16.10.2023

Varna



Assoc. Prof. Dr. D. Konstantinova