



Opinion

By Assoc. Dr. Desislava Atanasova Konstantinova, PhD, Department of Dental Materials Science and Prosthetic Dentistry, Faculty Dental Medicine, MU-Varna, Member of the Scientific Jury by Order R-109-419/ 05.10.2023 on Rector of MU - Varna

Regarding

Dissertation and abstract of **Dr. Magdalena Norman Gugleva** on the topic: "**ALTERNATIVE TOOTH PREPARATION METHODS FOR FULL COVERAGE CROWNS**", for awarding the scientific and educational degree "DOCTOR" in the doctoral program "orthopedic dentistry", professional direction: 7.2. Dental medicine, 7. Health care and sports

Research supervisor: **Associate Professor Dr Iveta Plamenova Katreva, PhD.**

General presentation of the procedure

The presented set of materials on electronic media is in accordance with the requirements of Art. 69 of the Regulations for the Development of the Academic Staff of the MU - Varna. They are well described and clearly arranged by Dr. M. Gugleva.

Brief biographical reference

Dr. Magdalena Norman Gugleva was born on June 26, 1992 in Varna. In 2011 completed secondary education at the First Language High School, and in 2017 graduated as a master's degree - doctor of dental medicine at FDM, MU-Sofia. Since then, she has been practicing clinical activity at AGPPDP-Varna OOD. Since 2018, she has been a full-time assistant in the Department of Prosthetic Dentistry at the Faculty of Medicine, MU-Varna. In December 2022, she acquired a specialty in prosthetic dentistry. She has attended a number of postgraduate courses.

Relevance and importance of the topic

The biologically oriented preparation technique proposed by Ignazio Loi is distinguished by gentle preparation of hard dental tissues and ease of implementation by the clinician. As a result of its application, the condition of the gingival tissues improves, and this contributes to high aesthetics when manufacturing non-removable prosthetic structures. Despite the growing interest in this technique, there are still a number of unclear questions related

to it. Dr. Gugleva's dissertation is a scientific study, including a complex analysis of the influence of the technology used to make temporary structures on the biological response of soft tissues. The dissertation student is

convinced that the collected data on the awareness of dentists and dental technicians regarding the clinical and laboratory protocol of work using this method will allow recognizing problems arising in daily dental practice. All this makes the topic of Dr. Magdalena Gugleva's dissertation relevant and significant.

Knowing the problem and evaluating the structure and content of the dissertation

The literature review is competently and analytically written. It spans 50 pages and is structured into four subsections. 352 literary sources are cited, of which 32 are in Cyrillic and 320 are in Latin.

The aim of the dissertation work - "to prove the advantage of the biologically oriented preparation technique in prosthetic treatment with whole envelope crowns in the aesthetic zone and to evaluate the clinical results of its application" was achieved by solving four tasks, the last one with two subtasks.

Materials and methods: In this section, Dr. Gugleva describes in detail the entire methodology and progress of the research. Survey cards are available as appendices in the dissertation.

The obtained results are analyzed in detail using modern statistical methods and well illustrated in 12 tables and 161 figures.

Eight conclusions are logically derived from them, among which the following stand out with particular importance:

- A large percentage (about 87%) of the examined teeth showed no bleeding on probing after a period of two months with temporary structures
- During prosthetic treatment with BOPT, an increase in thickness of the free gingival margin is found
- With the help of BOPT filing and the specific shaping of the crown edge of the temporary structures, remodeling of the gingival contour is achieved

Contributions and significance of the development for science and practice

The contributions described by Dr. Gugleva follow the drawn conclusions and are divided into those of scientific and applied nature and of applied and confirmatory nature.

The most important of them are:

- For the first time in Bulgaria, the periodontal response of the soft tissues after prosthetic treatment with non-removable prosthetic



structures in teeth prepared with a biologically oriented preparation technique was investigated and clinically evaluated.

- For the first time in Bulgaria, an alternative technique to vertical preparation borders has been presented.
- It has been confirmed that when applying a biologically oriented preparation technique, a biotolerant behavior of the peri-dental soft tissues is established in relation to non-removable prosthetic structures.

In connection with the dissertation work, Dr. Gugleva presents three publications in English. In two of them she is the first author.

Abstract

The abstract briefly presents the most essential part of the dissertation work and 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 the MU - Varna.

I have known Dr. Gugleva since her first steps as an Assistant prof. in the department and she has always impressed me with her willingness to accept the professional challenges and with the ability to quickly solve the difficulties that arise. Her dissertation shows exactly these qualities.

Conclusion

Dr. Magdalena Norman Gugleva's dissertation on " ALTERNATIVE TOOTH PREPARATION METHODS FOR FULL COVERAGE CROWNS" represents a scientific development on a topical but insufficiently researched problem in our country. The applied complex methodology, the obtained results, the formulated conclusions and contributions give me reason **to consider that the dissertation meets the requirements of the Law on the Development of the Academic Staff of the Republic of Bulgaria and the Regulations for the Development of the Academic Staff of the MU - Varna to give a positive assessment and to proposed to the Scientific Jury to award the educational and scientific degree "Doctor" to Dr. Gugleva.**

16.11.2023
Varna

prepared the opinion:
Assoc. prof. Dr. D. Konstantinova, PhD