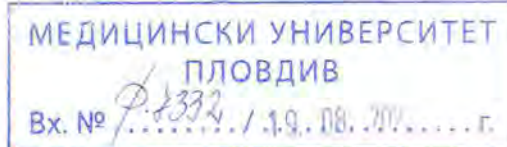


OPINION



from

Associate Professor Dimitar Nikiforov Kirov, Ph.D.,

Faculty of Dental Medicine, MU-Sofia

For a dissertation for the award of the educational and scientific degree
"doctor" in the professional direction, Dental Medicine,
the doctoral program "Prosthetic Dentistry",
according to order No. R-1825/ 22.07.2022

Author: Dr. Magdalina Ivanova Urumova, assistant in the
Department of Prosthetic Dentistry, FDM, MU - Plovdiv.

Form of doctoral study: independent preparation Department:
Prosthetic dentistry

Topic: "Laboratory study of the holding power of telescope
crowns made by different methods."

Research supervisor: Associate Professor Iliyan Hristov, Ph.D.,
Ph.D., MU-Plovdiv

General presentation of the procedure and the Ph.D. student

The presented materials are under the Regulations for the
Acquisition of the Educational and Scientific Degree "DOCTOR" and the
Regulations for the Implementation of the Law on the Development of
the Academic Staff in the Republic of Bulgaria of MU-Plovdiv and
includes all necessary documents.

The dissertation work of Dr. Magdalena Ivanova Urumova consists of 186 computer pages (of which 25 pages are a bibliography and 14 contain appendices) with included 106 figures and 32 tables. The bibliographic reference includes 224 literary sources, of which 21 are in Cyrillic. The dissertation is structured as follows:

- Literature review and analysis (29 pages)
- Purpose and tasks, material and methods, results and discussion (102 pages)
- Conclusion, conclusions, and contributions (5 pages)

The abstract attached to the dissertation is structured correctly, meets the requirements, and reflects the dissertation work in abbreviated form (57 pages).

The Ph.D. candidate has attached evidence of 3 publications and four participations in national and international forums.

Autobiography

Dr. Magdalena Ivanova Urumova completed her secondary education at "St. Patriarch Evtimij" with a German language profile in 2005. In 2011 he graduated from the Medical University - Plovdiv with a specialty in "Dental Medicine". Since February 2017, after passing a competitive exam, he has held the position of assistant in the Department of "Prosthetic Dental Medicine" at FDM, MU-Plovdiv. In 2020, he acquired a specialty in Prosthetic Dentistry.

Fluent in German (C1 level) and English (B2) languages.

He is the author and co-author of 3 scientific articles, in which he is the first author, and four participations in scientific forums.

The doctoral student is a regular Bulgarian Dental Union (BZS) member.

Relevance of the topic

In the dissertation work, "Laboratory study of the retention force of telescope crowns made by different methods" the aspects of the use of telescope crowns as support-retention elements in prosthetic dentistry are evaluated, comparing the materials and techniques used in their manufacture, the main clinical and laboratory factors affecting their retentive function, as well as the question of their long-term validity. Doctor Urumova has directed his study to a subject of direct clinical importance, and his results would be helpful not only as scientific data but also in direct therapeutic work. Therefore, I can define the topic chosen by the Ph.D. student as emphasizing theoretical-practical and contemporary.

Knowing the problem

The analysis of 242 literature sources presented by the doctoral student in a volume of 28 pages of the literature review summarizes the results of previous studies related to the methods of fabrication and application of prosthetic structures with telescopic retention. The basic principles of treatment with this technique are described, as well as their advantages and disadvantages. An analysis was made of all clinical and laboratory factors affecting their functional fitness. The analysis of the literature data and the conclusions at the end of the literature review give me a reason to believe that the doctoral student knows the specifics and peculiarities of the considered problem.

Research material and methodology

The criteria for selecting the material for the research are described in detail in the dissertation. The methods for each task are optimally selected and sufficient to produce representative results. They are

precisely selected and enable the dissertation student to obtain significant qualitative and quantitative results.

Results and discussion

The results and discussion section is composed of logically connected parts, each containing the results of the corresponding research stage.

The conclusions and conclusions made in the first task are based on the results of the conducted survey regarding the awareness of dentists and dental technicians about the frequency of using the method and their knowledge in working with telescope crowns.

The results of the second task show the effectiveness of the doctoral student's methodology for making telescope crowns ensuring good and long-lasting retention.

Regarding the cyclic-mechanical loading of the test specimens discussed in the third task, Dr. Urumova used her own load simulator (and the team) developed.

According to the fourth task, the author creates her methodology, as the design of the crowns includes two additional retentive elements. She conducted the study to compare the retention of telescope crowns made with different designs and process modes.

Characterization and evaluation of the dissertation work and contributions

The dissertation was written according to the requirements of the Law on the Development of the Academic Staff of the Republic of Bulgaria /ZRARB/, the Regulations for its implementation, and the Regulations of the MU, Plovdiv in a good Bulgarian language. The conducted research is complete. The studies related to Dr. Urumova's

dissertation have both a scientific and a scientific-practical nature and are of marked clinical significance. As a contribution, I define the in-depth research done on the retentiveness of telescope crowns according to their design and the created simulator for testing the experimental samples.

Assessment of the Ph.D. student's publications and personal contributions

Research results have been published in 3 articles in which the Ph.D. student is the first author. The doctoral student has presented part of the results at four national and international scientific forums.

Abstract

The abstract attached to the dissertation meets the requirements and reflects the dissertation work in abbreviated form. The tables and figures presented provide complete information about the research and the results.

Critical notes

Different terms are used to refer to the same concepts and pictures of statistical tables. In addition, there are reported omissions and inconsistencies in the bibliographic reference of the used literary sources. The critical remarks do not reduce the value of the dissertation work but could be recommendations for the further research of the doctoral student.

CONCLUSION

The dissertation work on the topic "Laboratory study of the holding power of telescope crowns made by different methods" for the award of a scientific degree "Doctor" with author Dr. Magdalena Ivanova Urumova, is an up-to-date and valuable modern scientific work with scientific and applied significance. From the analysis, I believe that in terms of the

volume of research and the results achieved, the dissertation meets the requirements of the Law on the Development of the Academic Staff of the Republic of Bulgaria /ZRARB/, the Regulations for its implementation and the Regulations of MU-Plovdiv. The dissertation shows that the doctoral student has in-depth theoretical knowledge and professional skills in the scientific specialty "Orthopedic Dentistry", demonstrating qualities and skills for independent conduct of scientific research.

My opinion is positive, and I will vote "YES" to award the educational and scientific degree "Doctor" to Dr. Magdalena Ivanova Urumova in the Doctoral Program in "Prosthetic Dentistry".

Заличено на основание
Чл.5 §1, б. "В" Регламент (ЕС)2016/679

Prepared the opinion:

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