To

The chairman of the scientific jury,

determined by Order № P-2155/04.12.2020

of the Rector of the Medical University - Plovdiv

On your Protocol №1 / from 10. 12. 2020

Attached I present: **Opinion**

on the PhD thesis on topic: "Application of zirconium CAD/CAM veneers in vital frontal teeth (questionnaire, laboratory and clinical studies)" by Dr. Aleksandra Georgieva Pecheva-Stoeva, PhD student on self-study base at the Department of Operative Dentistry and Endodontics FDM, MU - Plovdiv with scientific supervisor Prof. Dr. Snezhana Tsanova, PhD for awarding the educational and scientific degree "DOCTOR" in the doctoral program "Therapeutic Dental Medicine".

Prepared the opinion: Prof. Dr. Ivan Atanasov Filipov, MD, MHA

Scientific specialty: 1. General dentistry 2. Therapeutic dentistry 3. Cariesology and endodontics
Institution: MU - Plovdiv, FDM, Department of Operative Dentistry and Endodontics

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CAREER DEVELOPMENT OF THE CANDIDATE

Aleksandra Georgieva Pecheva-Stoeva has graduated from the Faculty of Dental Medicine, Medical University - Plovdiv as a Master of Dental Medicine in 2015. Since 2016 she has been an assistant professor in the Department of Operative Dentistry and Endodontics FDM Plovdiv, where she conducts clinical exercises with third, fourth and fifth year students.

In 2017 she obtained a master's degree in Public Health and Health Management in FPH, MU - Plovdiv, and in 2019 a specialty in Operative Dentistry and Endodontics.

During this short period she managed to participate in the creation of two textbooks, published nine scientific articles, gave nine scientific reports. At the same time she is involved in various scientific research projects of MU - Plovdiv, as well as in the workshop activity of the department.

Although veneers are known as a method of aesthetic restoration or correction in the frontal area of the dentition for almost a century, the interest in their application is not lost. The emergence of more and more new materials, as well as techniques by which they can be made, are attracting more dentists to include them in the arsenal of their treatment options. On the other hand, the fact that they are in line with modern views of minimally invasive and biological treatment of treated tissues is not to be overlooked.

In this aspect I find the presented PhD thesis interesting and contemporary.

The dissertation is written on 179 typewritten pages and contains all the elements necessary for such a scientific work.

LITERATURE REVIEW

Presented on 39 pages, the literature review is very well structured. The separate sections follow the historical development of the materials and techniques for production of veneers. The classifications of the different preparation forms, the indications and the contraindications for their use are presented in detail. It is especially satisfactory that the approved materials and methodologies, including the current ones, are considered in a critical aspect, which gives the author the opportunity to bring out the unsolved problems to justify the purpose and objectives set in this dissertation.

PURPOSE AND TASKS

The goal is formulated very briefly and clearly. It is commendable how the author managed to explain in one sentence the receipt of a product from a certain material by a certain technology.

The tasks are arranged logically and follow in ascending order the achievement of the set task.

MATERIALS AND METHODS

Each task punctually describes the used materials, the ways of their application, as well as the statistical methods. The great variety of methodologies shows that the PhD student has mastered the methods of scientific research, as well as working with teams in different specialties. Only when solving the second task there is a small disturbance of the used plastic teeth which have a different structure from that of the natural ones and can react differently to the impact of the burs.

RESULTS AND DISCUSSION

Combining the results with their discussion in one chapter helps to better understand and perceive them. They are supported not only by statistics in the form of tables and graphics, but also by photographs where possible.

The PhD student very skilfully comments on its results with data from similar studies by other authors and again shows a sense of self-criticism. This is especially true of the discussion of the results of the so-called "clinical task", which was unfortunately carried out in a very short time.

Completion of the discussion of each task with conclusions from the achieved allows at the end of the discussion to draw the main conclusions on the basis of which to formulate the contributions from the dissertation.

MAIN CONTRIBUTIONS

In general, I accept the contributions of the dissertation presented by Dr Pecheva. From the contributions of original character I want to distinguish those listed under № 3, 4 and 5. Especially the last contribution I find will be of methodological benefit to all dentists dealing with aesthetic restoration of dentition in frontal area through innovative and precise technologies.

With regard to the contributions of a confirmatory nature, it is noteworthy that they confirm the original contributions above all, and № 3 coincides entirely with the conclusion from the conclusion of the dissertation placed under № 4.

BIBLIOGRAPHICAL REFERENCE

The literature used in the dissertation includes 197 sources. I take the citation of very few Bulgarian authors, as well as in general of publications from the last five years / only 13 / as a sign that the developed topic is relevant and concerns problems that have not been studied in general in research circles.

ABSTRACT

The presented abstract meets all the requirements and is fully relevant to the dissertation as a volume. The only thing that impresses is the very small size of the font used.

CONCLUSION

I find that the PhD thesis on the topic: "Application of zirconium CAD/CAM veneers in vital frontal teeth (questionnaie, laboratory and clinical studies)" by Dr. Aleksandra Georgieva Pecheva-Stoeva, PhD student on self-study base at the Department of Operative Dentistry and Endodontics" of FDM, MU - Plovdiv with scientific supervisor Prof. Dr. Snezhana Tsanova, MD has been successfully completed. The PhD student has mastered the basics of scientific research and reasoning on the obtained results. There is also sufficient publication activity on the topic.

Taking into account the very good career development of the candidate for only five years of work in the department, I think that Dr. Aleksandra Georgieva Pecheva-Stoeva deserves to be awarded the educational and scientific degree "DOCTOR" in the doctoral program "Therapeutic Dental medicine" for which **I am voting confidently** at the final meeting of the Scientific Jury.

Plovdiv,
2020

Prof. Dr Ivan Filipov, PhD, MHA