

Opinion

by Assoc. Prof. Hristo Ivanov Daskalov, Ph.D., MU-Plovdiv, FDM,

Department of Oral Surgery , specialist in oral surgery

regarding

Dissertation work for awarding the educational and scientific degree "Doctor"

Professional field - Dentistry

Doctoral program - Oral surgery

Author: Dr. Atanaska Yordanova Cheshmedjieva

Form of doctoral studies: full-time doctoral student

Department of Oral Surgery at FDM-MU-Varna

Topic "Clinical results of the application of platelet concentrates in post-extraction sites using new protocols for obtaining platelet-rich plasma"

Scientific supervisor: Prof. Dr. Rosen Kolarov, Ph.D.

This opinion was prepared on the basis of Order No. R-109-308/13.06.2023. of the Rector of the MU - Varna, in connection with the procedure for the protection of the above-mentioned dissertation work on the scientific specialty: Oral surgery 03.03.04, and in implementation of the ZRASB, the Regulations for the implementation of the ZRASB and the Rules for the organization and operation of the University of Varna.

1. General presentation of the procedure and the doctoral student

The presented set of materials on paper / electronic media is in accordance with the requirements of the Regulations of the University of Varna . All documents are prepared and presented properly.

The PhD student presented three articles related to the dissertation work and an additional three on border topics.

Dr. Atanaska Cheshmedjieva has acquired a specialty in Oral Surgery since 2014. and sufficient experience in an oral and maxillofacial surgery department.

He also has a master's degree in health management.

From the presented documentation, Dr. Cheshmedjieva possesses the necessary scientific competence and professional qualification to obtain the educational and scientific degree "Doctor"

2. Relevance of the topic

My thesis submitted for opinion examines an actual problem of oral surgery. Preservation of the postextraction alveolus and jawbone volume in general is particularly important, especially with the rapid development of dental implantology in recent years. On the other hand, one of the most common oral surgical manipulations is the extraction of a mandibular third molar. There are a number of developments worldwide, looking for the optimal methods for the smallest bone loss after extraction on the one hand and on the other hand the optimization of the healing process after the extraction of mandibular wisdom.

In this sense, the choice of the topic of the dissertation work is current and dissertable.

3. Knowing the problem

The literature review is compiled on 258 sources in Latin and 6 in Cyrillic. The book writing is done according to the requirements.

The literature review is comprehensive, targeted, analytical and covers all aspects of the problem. The current state of the problem is skilfully outlined and unsolved problems are extracted.

On the basis of this overview, the goal of the scientific development was derived "To present clinical results in post-extraction areas after surgical removal

of lower third molar teeth, using new, nationally standardized four protocols for extraction of platelet concentrate from whole fresh autologous blood" .

Dr. Cheshmedjieva knows the state of the problem and creatively evaluates the literary material.

4. Characterization and evaluation of the dissertation work and contributions

The dissertation contains 187 pages. It is illustrated with 27 tables, 47 figures and 25 photographs. The bibliography includes 264 literary sources.

The structure of proposals for work evaluation meets the requirements for dissertation development according to the Regulations of MU-Varna and ZRASRB.

To achieve the set goal, the dissertationer has set himself 7 tasks. They are quite sufficient to substantiate the developed thesis.

The clinical material (150 patients) on which the study is conducted is sufficient in volume. The material and methods sections are constructed correctly and comprehensively. The results are well structured and illustrated. The study found that the application of autologous platelet concentrate in outpatient surgery leads to a better postoperative period for the patient. It is proposed to use the new standardized methods for its extraction. The investigated surgical intervention is known for its difficult healing period, which gives reason to assume that the methodology can be introduced in other surgical manipulations as well.

The analysis and discussion of the results show good professional training and in-depth clinical thinking of the doctoral student.

There are twelve conclusions and a logical consequence of the obtained results.

Contributions are original, applied and confirmatory in nature.

5. Abstract

The author's abstract of the dissertation work is made according to the requirements and reflects the main results obtained by the author.

CONCLUSION

The dissertation work of Dr. Atanaska Yodanova Cheshmedzhieva submitted to me for opinion on the topic "Clinical results of the application of platelet concentrates in post-extraction areas using new protocols for obtaining platelet-rich plasma" treats a topical problem of oral surgery related to the use of different methods for obtaining and using autologous thrombocyte concentrate. In this sense, the choice of the topic of the dissertation work is very relevant.

The in-depth literature review and its creative evaluation allowed Dr. Cheshmedjjeva to derive the goal of the scientific development, namely " To present clinical results in post-extraction areas after surgical removal of lower

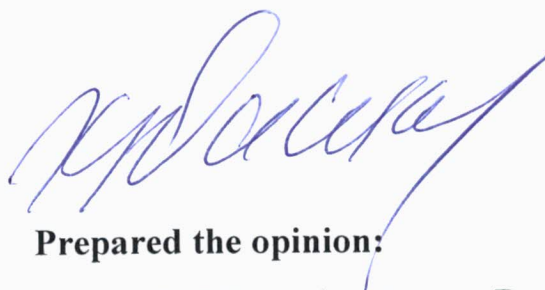
third molar teeth, using new, nationally standardized four protocols for extraction of platelet concentrate from whole fresh autologous blood".

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

Evaluating the merits of this work I accept that has been completed in accordance with the requirements of the Higher Education Institution, the Law on the Development of the Academic Staff in the Republic of Bulgaria and the Regulations for its Application for the Acquisition of the Doctoral Degree.

The presented materials and dissertation results correspond to the specific requirements of the Regulations of the Ministry of Education - Varna, adopted in connection with the application of the RASRD.

Due to the above, I give my **positive assessment** to the dissertation work presented to me for opinion and **propose to the honorable scientific jury to award the educational and scientific degree "Doctor"** to Dr. Atanaska Yordanova Cheshmedzhieva in the doctoral program - Oral surgery, code 03.03.04.



Date:

28.08.2023

Prepared the opinion:

Assoc. Prof. Dr. Hristo Ivanov Daskalov