

OPINION

by

Assoc. Prof. Elitsa Petkova Sabeva-Peeva, DMD, PhD

Department of Periodontology and Dental Implantology - MU-Varna, member of the Scientific jury,

according order

P-109-392/03.10.2022

regarding Dissertation for acquiring PhD in scientific specialty "Therapeutic Dental Medicine" to

Dr. Desislava Kirilova Stoyanova - Assistant Professor in the Department of Periodontology and

Dental Implantology - MU-Varna

with a topic

**"Maxillary Sinus Floor Elevation with Lateral Approach - Imaging, Clinical and
Experimental Studies"**

Biography

Dr. Desislava Stoyanova was born in 1986 in Varna. In 2012, Dr. Stoyanova graduated from Faculty of Dental Medicine, MU-Varna. Since 2017 she has been an Assistant Professor in the Department of Periodontology and Dental Implantology, FDM, MU-Varna. In the same year, she acquired a specialty in Dental Implantology. From 2020 to 2022, Dr. Stoyanova is an administrative Assistant Professor.

The publication activity of Dr. Stoyanova includes one manual (158 pages) and three articles (23 pages).

Dissertation

The dissertation “Maxillary Sinus Floor Elevation with Lateral Approach - Imaging, Clinical and Experimental Studies” has a volume of 136 pages and contains 23 tables, 44 figures and 6 applications. The literature review is based on 180 literature surveys, 175 of which are in Latin, and 5 - in Cyrillic.

The topic of the dissertation “Maxillary Sinus Floor Elevation with Lateral Approach - Imaging, Clinical and Experimental Studies” discusses a current issue in Dental Implantology in various aspects.

The aim of the dissertation is to explore the possibilities of optimizing the maxillary sinus floor elevation intervention.

To achieve this goal, the following tasks were set:

1. To prepare a specification of available subantral bone in cases with maxillary sinus floor elevation.
2. To analyze the methods for the application of implants in conditions of subantral deficiency compared to the available subantral bone in cases with a maxillary sinus floor elevation.

3. To explore the possibilities of endoscopic approach.
4. To analyze clinical observations on approach for endoscopic control in maxillary sinus floor elevation.

The materials and methods for the four tasks are presented clearly, in detail and are illustrated with enough figures. The results and the analysis of the results are presented sequentially with an extensive statistical processing. For each task, a discussion of the results is presented in accordance with the available literature on the subject.

As a result of the conducted research, ten conclusions, six affirmative and two original contributions are presented. The following original contributions were formulated:

1. For the first time, a visibility share of the total observation area of the sinus floor through an endoscope is examined, when entering it in the antero-posterior direction in two positions 10 and 20 mm, observation angle 15°, 45° and 90°, as well as opening for the endoscopic approach through the fossa canina in three directions.
2. For the first time, the trocar-guided technique and the machined osteotomy technique for creating an opening for endoscopic approach are compared.

The objective of the dissertation is current and significant. The treated problem was observed in various aspects. Factors, which are related to the volume of the available subantral bone, were discussed. Regarding maxillary sinus floor elevation under endoscopic control, the optimal parameters were defined in terms of access location, entry of the endoscope into antero-posterior direction and degree of observation. The trocar technique has been found to be difficult to perform and has no advantages over the machined osteotomy technique in creating an opening for endoscopic access. The possibility of using three-dimensional simulation models for preoperative preparation and procedure planning is confirmed.

Conclusion

The dissertation is properly structured, current and has a contributing character. I vote positively for awarding PhD in the scientific specialty “Therapeutic Dental Medicine” to Dr. Desislava Kirilova Stoyanova.



.....
Assoc. Prof. Elitsa Sabeva-Peeva, DMD, PhD

21.11.2022

Varna