

R e v i e w

From

Prof. Tihomir Dobrinov Georgiev, MD

appointed as a member of the Scientific Jury by Order No. R-109-510/ 29.11.2023

To: Procedure for obtaining the educational and scientific degree "Doctor" of Dr. Ivan Nikolaev Dimitrov, Department of "Oral Surgery", Faculty of Dental Medicine, Medical University-Varna

On the topic: "Oral traumatic lesions",

Field of higher education: 7. Health care and sports, professional direction 7.2 Dental medicine and scientific specialty "Surgical dentistry" and scientific supervisor Prof. Rosen Kolarov d.m.

I. Biographical part

Dr. Ivan Nikolaev Dimitrov was born on 01.12.1987 in the city of Burgas.

He completed his higher education in 2012 at the Medical University of Varna, as a doctor of dental medicine. In the period from 2012 to 2018, he worked as a private dentist. Since 2017, he has been an honorary assistant at the Department of Oral Surgery, and since 2018 he has been a full-time assistant. He was enrolled as a specialist in oral surgery in 2021, and has been a full-time doctoral student in the same department since 2019.

He has been a member of the BZS since 2012.

He has an excellent command of the English language.

II. Actuality of the topic

The dissertation work developed by Dr. Ivan Nikolaev Dimitrov is up-to-date with its scientific and scientific-applied character. Diagnosing oral traumatic lesions is not difficult for the dentist. Through the analysis of the data obtained from the patient's questioning and the clinical examination, the diagnosis is not difficult for the experienced clinician. In some isolated cases, however, a thorough history and examination are not sufficient for this. This necessitates the application of other clinical and paraclinical methods in order to reach the correct diagnosis. Due to the above, we can say that the problem of traumatic lesions of the soft tissues in the oral area is a problem of global importance, as it covers all ages and different social groups of the population, differing in their occurrence and course.

III. Evaluation of the dissertation work

The dissertation is written on 141 pages, of which 33 pages are a literature review; purpose and tasks - 1 page; own research including material and methodology, results and discussion - 89 pages; conclusions and contributions - 2 pages. The work is illustrated with 62 tables and 79 figures. The bibliography covers 180 publications, of which 3 are in Cyrillic and 177 are in Latin. The structure of the dissertation fully meets all requirements.

The literature review thoroughly and consistently examines the problems, methods of treatment of oral traumatic lesions, unsolved problems and areas of conflict. The review of the literature makes it possible to draw the following conclusion - long-lasting oral ulcers and erosions can be the final common manifestations, sometimes clinically indistinguishable, of a diverse spectrum of conditions ranging from traumatic lesions, infectious diseases, systemic and local immune-mediated lesions to neoplasms. Oral erosions are characterized by partial thickness loss of the epithelium, in contrast to ulceration or ulceration, which is characterized by complete loss of epithelium accompanied by variable

loss of underlying connective tissue, resulting in a crateriform appearance that may be accompanied by with edema and/or proliferation of the surrounding tissues

Clinical presentation of traumatic lesions varies greatly, and in most cases, the cause and effect can be established with a thorough history and clinical examination. They manifest in the oral mucosa as acute or chronic ulcers, white or red lesions, mucositis, and reactive hyperplasia, or even as exposure of the underlying bone and sequestration formation. Such lesions can also impair oral functions to a significant extent and also create some difficulties in diagnosis, especially when chronic lesions are involved.

The available publications in the world literature are not sufficient and there are still many unresolved issues waiting to be resolved. All this gives the author a reason to do a comprehensive study, and to look for the influence of local and systemic factors affecting their appearance.

The purpose of the dissertation is to characterize the main oral traumatic lesions, clarifying their relationship with certain local and systemic factors, and the tasks that will help the author to solve this problem are:

Task No. 1. To establish the demographic and clinical characteristics of patients with oral traumatic lesions.

Task No. 2. To clarify the relationship of oral traumatic lesions with certain local and systemic factors.

2.1. To trace the relationship in patients with oral traumatic lesions and the wearing of prosthetic structures (removable and fixed).

2.2. To clarify the peculiarities in the course of oral traumatic lesions in patients with existing systemic diseases - hypertension and type 2 diabetes.

Task No. 3. To determine the effect of the application of a drug spray containing polyvinylpyrrolidone (PVP) in the treatment of oral traumatic lesions.

Task No. 4. To characterize the isolated microbial flora and its relationship to the course of oral lesions with traumatic etiology.

Results and their analysis make it possible to establish that Dr. Dimitrov comprehensively and analytically presents the results of the study of the comparative values of the measurements on all tasks. This shows that the applied methods of analysis are his own work.

The conclusions drawn

Oral traumatic lesions are caused by various factors and manifest themselves in a variety of clinical forms, localized in different places in the oral region. Because of this great diversity there is the need for different approaches in influencing them.

On the other hand, in most of the lesions described, the main healing factor is the removal of the cause that led to their occurrence.

There is a need to discover new methods and drugs to affect traumatic lesions.

IV. Contributions of the dissertation:

Affirmative Contributions:

1. The author confirms that the removal of the etiological factor is the main method of treatment of oral traumatic lesions.
2. The author confirms that the wearing of removable prosthetic structures and the presence of harmful habits are a major factor in the development of oral traumatic lesions.
3. The author confirms that the presence of certain chronic diseases has a negative effect on the treatment of lesions in the oral cavity.

Contributions original to the country:

1. For the first time in the country, a study aimed at clarifying the factors related to the occurrence and development of oral lesions with a traumatic genesis was conducted.

2. For the first time in the country, the effect of the treatment of oral lesions with a preparation creating a barrier that isolates the damaged tissues from the damaging factors was studied.

3. For the first time in the country, a study aimed at clarifying the relationship of the oral microflora to the development and progression of traumatic lesions was carried out.

V. Dissertation publications

The volume of the clinical study is sufficient for the development of a dissertation for obtaining the scientific and educational degree "Doctor".

In connection with the developed work, 3 publications have been presented in our and international journals, of which Dr. Dimitrov is the first author of two of them. The number and content of the publications is related to the purpose and topic of the dissertation work and meets the requirements for the scientific degree.

The abstract is written on 52 pages and contains ten sections that reflect the content of the dissertation.

CRITICAL NOTES:

The number of clinical cases in the study is critically small for writing a dissertation and for providing an accurate scientific answer to the assigned tasks.

The discussion of the results is quite "relaxed".

VI. Conclusion

The dissertation work on "Oral Traumatic Lesions" by Dr. Ivan Nikolaev Dimitrov, presented to me for review, examines an extremely topical problem in oral surgery and represents a valuable contribution to science and, above all, to clinical practice.

The present dissertation development is entirely the personal work of Dr. Ivan Nikolaev Dimitrov. Clinical material and the volume of the study, as well as the analysis of the results show the accumulated clinical, teaching and research experience of the author. The paper makes a number of contributions to the field of oral surgery.

The presented dissertation meets all the requirements of 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 Scientific and Educational Degree "Doctor".

In connection with the above, I give my positive assessment to the dissertation work presented to me for review and I confidently vote "YES" and propose to the honorable scientific jury to award the scientific degree "Doctor" to Dr. Ivan Nikolaev Dimitrov in the scientific specialty of Surgical Dentistry.

17.01.2024 PREPARED THE REVIEW:

Заличено на основание чл. 5,
§1, б. „В“ от Регламент (ЕС)
2016/679

Prof. Thomir Dobrinov

Georgiev, MD