

TO THE MEMBERS OF THE SCIENTIFIC JURY AT THE FACULTY OF DENTAL
MEDICINE AT THE MEDICAL UNIVERSITY OF PLOVDIV,
DESIGNATED BY ORDER OF THE RECTOR
P-1277/03.08.2020.

OPINION

by Assoc. Prof. Dr. Georgi Papanchev, PhD

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Under the procedure for defence of a dissertation for awarding doctoral degree in sphere of higher education: 7. Healthcare and Sports, professional field: 7.2. Dental Medicine; Oral Surgery, at the Department of Oral Surgery, Faculty of Dental Medicine at the Medical University of Plovdiv.

Author of the dissertation: Dr. Radka Borisova Cholakova - assistant professor at the Department of Oral Surgery, Faculty of Dental Medicine at the Medical University of Plovdiv.

Form of doctoral study: self-training

Department: Oral Surgery

Theme: SUPERNUMERARY TEETH – EPIDEMIOLOGICAL, CLINICAL AND RADIOLOGICAL STUDIES

Academic supervisor: Assoc. Prof. Dr. D. Neychev, PhD, Department of Oral Surgery, Faculty of Dental Medicine, Medical University of Plovdiv

1. General presentation of the procedure and the doctoral candidate:

The presented set of materials in paper and electronic form is in compliance with the Procedure for Awarding Doctoral Degrees in the sphere of higher education: 7. Healthcare and Sports, professional field: 7.2. Dental Medicine; Oral Surgery, at the Department of Oral Surgery, Faculty of Dental Medicine at the Medical University of Plovdiv, and contains all the necessary documents.

Notes and comment on the documents

The dissertation was written on 191 pages. The bibliography includes 176 references, 7 of which are in Cyrillic and 169 in Latin. The dissertation is illustrated with 12 tables, 34 figures, 57 diagrams and 37 appendices. The literature review is presented on 30 pages: objective and tasks - 1 page, material and methods - 22 pages, own results and discussion - 65 pages, conclusions - 1 page, contributions - 1 page.

The author's summary meets all requirements of the Act for the Development of the Academic Staff in the Republic of Bulgaria

The doctoral candidate enclosed 4 publications and 4 participations in conferences. Dr. Cholakova is the first author of two of the publications.

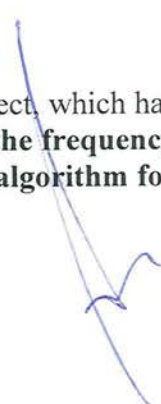
Biographical notes and career development:

Dr. Radka Borisova Cholakova was born on 17 June 1978. She completed her secondary education at the Secondary School "Sveti Konstantin Kiril Filosof" in 1995. In 2001, she graduated from the Medical University of Plovdiv, Faculty of Dental Medicine. In 2005, Dr. Cholakova acquired specialty Oral Surgery, and since 2005, she has been an assistant professor at the Department of Oral Surgery of the Faculty of Dental Medicine at the Medical University of Plovdiv. Dr. Cholakova conducts practical training in oral surgery for students. She supervises the work of postgraduate students. She participates in the implementation of the scientific program of the department.

Assessment of the personal participation of the doctoral candidate in the dissertation

The dissertation addressed a significant problem in modern oral surgery, namely the frequency of supernumerary teeth and their impact on the dentition.

Dr. Cholakova has made a thorough critical analysis of the literature on the subject, which has enabled her to define precisely the objective of her research, namely: **To study the frequency of supernumerary teeth and their effect on the dentition and to develop an algorithm for management of hyperdontia.**



To achieve this objective, the following **tasks** were set:

1. To carry out clinical and epidemiological study of supernumerary teeth in patients from the city of Plovdiv.
2. To find the effect of untreated hyperdontia on the adjacent teeth:
 1. To study the eruption of teeth which are adjacent to the supernumerary tooth.
 2. To examine the development of adjacent teeth by assessing the presence and degree of dilaceration, resorption of the root of the permanent tooth, pulp blood supply, caries and its complications.
3. To follow up the effect of the extraction on the teeth adjacent to the supernumerary tooth.
4. To develop an algorithm for management of supernumerary teeth and to define the optimal time for surgical treatment.

The following research and analysis methods were used to perform and evaluate the tasks set: Independent and Paired Sample T-tests - check for equality of two means, One-way ANOVA with Bonferroni correction.

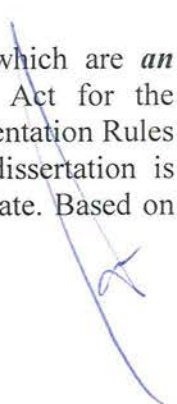
The results are presented appropriately and interpreted correctly. The dissertation was written in appropriate literary language, finishes with a discussion and conclusions, which are based on the research on the tasks set.

The presentation and illustration of doctoral candidate's own research with figures and charts in terms of materials and methods is at the required level.

The conclusions are directly related to the obtained results.

Conclusion:

The dissertation of Dr. Cholakova contains scientific and applied results which are *an original contribution to science and meet all requirements* set in the Act for the Development of the Academic Staff in the Republic of Bulgaria and its Implementation Rules as well as in the regulations of the Medical University of Plovdiv. The dissertation is productive and significant and is entirely personal work of the doctoral candidate. Based on



the above, **I propose awarding Dr. Radka Borisova Cholakova a doctoral degree** in sphere of higher education: 7. Healthcare and Sports, professional field: 7.2. Dental Medicine.

10 Aug 2020

Opinion by:

A handwritten signature in blue ink, consisting of a long vertical stroke with a loop at the bottom and a small flourish.

Assoc. Prof. Dr. Georgi Papanchev, PhD