

OPINION

by Prof. Dr. Vera Borisova Krumova, MD,

inside member of the scientific jury, based on an order of the Rector of MU - Varna,
№ P-109-312 / 07.08.2020

Subject: Competition for the academic position of "Associate Professor" in the field of higher education 7. Health and sports, professional field 7.2. Dentistry and scientific major "Dental Implantology" (SJ, issue 53 / 12.06.2020) (Decision of the Faculty Council - Protocol № 27 / 04.08.2020) and on the grounds of Art. 127, para. 1, 2, 3 and 4 of the Regulations for the development of the academic staff in MU – Varna

Candidate - Dr. Elitsa Petkova Sabeva-Peeva, MD

Chief Assistant Professor at the Department of Periodontology and Dental Implantology, FDM, MU – Varna

Brief data on the candidate's career profile:

Dr. Elitsa Petkova Sabeva-Peeva, MD, was born in 1989 in Varna.

2008 - graduated from the High School "John the Exarch" - Varna

2014 – Master Degree, Dentist, Faculty of Dental Medicine, MU "Prof. Dr. Paraskev Stoyanov" - Varna

2014–2017 - Assistant at the Department of Periodontology and Dental Implantology, FDM, MU - Varna

2015 - PhD student in the same department

2016 - acquired PhD Degree with successfully defended dissertation on "Factors affecting the primary stability of intraosseous screw implants", FDM, MU - Varna

Since 2017 she has been a Chief Assistant Professor at the Department of Periodontology and Dental Implantology, FDM, MU – Varna

General evaluation of the competition materials

The materials submitted for participation in the announced competition for the academic position of "Associate Professor" are in accordance with the requirements of the Law of Academic Development and the Regulations for the Development of Academic Staff and Academic Positions at the Medical University - Varna.

Evaluation of scientific papers in the overall academic development of the candidate.

General characteristics of the publishing activity and the scientific production:

Dr. Elitsa Sabeva-Peeva presents: 1 abstract of a dissertation on "Factors affecting the primary stability of intraosseous screw implants"; an independent monograph on "Etiology and treatment of periimplantitis. Varna, MU - Varna, ISBN: 978-619-221-249-0, 172 p .; 28 articles, 3 of which are related to the dissertation for PhD Degree in scientifically peer-reviewed and indexed foreign journals (№ 1, 2, 3); 12, related to the AP "Chief Assistant Professor" (№ 4–15); 13 after taking over the AP "Chief Assistant Professor" (7 – as independent author (№ 21, 23, 24, 25, 26, 27), 2 - first author (№ 16 and 17); 2 - second author (№ 18 and 22) co-author - 2 (№ 19 and 20).

A list of 6 scientific full-text publications is presented, which are not included in the reference to cover the minimum scientometric requirements (as first author in 3, second author - in 1, co-author - in 2) in a Bulgarian scientifically peer-reviewed and referenced prints.

Dr. Sabeva-Peeva, MD, presented evidence for 23 citations in journals indexed in foreign databases, in Bulgarian scientifically peer-reviewed, referenced and indexed journals (attached reference according to the automated information from the scientific databases Web of Science, Scopus and Google Scholar of the library of MU - Varna).

Participation in scientific events

1. Sabeva E, Peev S, Miteva M. The Influence of the Implant Macro- and Microdesign on the Primary Stability. 27th Annual Assembly of IMAB, 11–14 May 2017, OP.

2. Miteva M, Peev S, Sabeva E. Comparison of Nd-YAG, Er, Cr: YSGG and Diode Lasers in Nonsurgical Periodontal Treatment. 27th Annual Assembly of IMAB. 11–14 May 2017, OP.

Participation in 2 research projects

- Study of the dynamics of the healing processes in the peri-implant tissues by means of scintigraphy with ^{99m}Tc-MDP (metal diphosphonate).
- Complex oral diagnosis of children and adolescents with diabetes and obesity.

Personal skills

She speaks English, German and Russian, has computer literacy.

The scientific activity of the candidate is confirmed by her membership in BDA and BSDA.

Application of the scientific and practical achievements of the candidate

The topic of the **dissertation for PhD Degree** – “Factors affecting the primary stability of intraosseous screw implants” is extremely relevant and innovative, with high value for the clinical practice of the dentist.

It is necessary to emphasize the great importance of the original contributions in this work - for the first time in the world infrared thermography is used to visualize and measure the rise in temperature in the area of the sacrum during the placement of intraosseous screw implants, while obtaining the influence of the parameters of the implant design on the magnitude of the generated heat; for the first time, simulation 3D-printed mandibular models from PLA were used to assess the primary stability of intraosseous screw implants placed in them.

It has been confirmed that with the increase of the implant diameter the primary stability of the intraosseous screw implants also increases; with the increase of the implant length the primary stability of the intraosseous screw implants also increases; the primary stability achieved by increasing the implant diameter is not comparable to that obtained by increasing the length of the implants; conical implants have higher primary stability than cylindrical ones with the same other parameters; the proportional relationship between the methods for measuring primary stability and the implant diameter; the direct proportional relationship between the maximum torque during placement, the measurement of the damping capacity and the implant length, as well as the inversely proportional relationship between the values of the resonant frequency analysis and the length of the implants.

Monographic work presented in the competition for "Associate Professor"
(Sabeva-Peeva E. Etiology and treatment of periimplantitis. Varna, MU - Varna, ISBN: 978-619-221-249-0, 172 p.)

In the monographic work the problems related to the etiology and treatment of periimplantitis are discussed in great depth in a high academic style.

Affected are: the connection between periodontitis and periimplantitis; risk and modifying factors for the development of peri-implant diseases; diagnosis of plaque-induced inflammatory diseases of the periodontium and diagnosis of peri-implant diseases; treatment of plaque-induced diseases and periodontitis and treatment of plaque-induced inflammatory processes of peri-implant tissues. An important part of the monograph is the comprehensively presented treatment sequence for plaque-induced periodontal diseases, which is performed in 4 phases.

This scientific work enriches the knowledge of students, specialists and general practitioners in dentistry, as well as specialists in periodontology and implantology.

For short time of several years, in addition to defending a dissertation, Dr. Peeva is a leading author in many other scientific papers on topics other than that of her dissertation. Thus, she acquires experience and skills for conducting scientific research, presenting scientific results, analyzing, summarizing the material and forming specific conclusions. This makes her a promising scientist with certain interests in scientific research.

Complex, qualitative assessment of the teaching-methodical and teaching activity

The academic report on the employment of Dr. Elitsa Sabeva-Peeva shows that despite her maternity leave, the average study load is higher than the requirements of the Regulations of MU - Varna: 2014/2015 - 292 hours; 2015/2016 - 258; 2016/2017 - 325; 2017/2018 - 175, 2018/2019 - maternity leave, 2019/2020 - 111. Total number - 1161 hours.

Dr. Peeva is a highly responsible and demanding lecturer - she gives lectures and conducts exercises for students in Bulgarian and English.

My personal impressions of Dr. Sabeva-Peeva as a student and of her teaching, research and clinical activities at FDM, MU - Varna, are excellent and I believe with great confidence that she has all the qualities to continue to build on what has been achieved so far.

In conclusion, I can say that the overall activity of **Dr. Elitsa Sabeva-Peeva, MD**, meets the specific and scientometric criteria for holding the academic position of "Associate Professor" according to the Rules for the structure and activities of MU - Varna, and the requirements of „3PACPE“.

This gives me a reason to vote unequivocally with "yes" **Dr. Elitsa Petkova Sabeva-Peeva, MD**, to take the academic position of "Associate Professor" for the needs of the Department of Periodontology and Dental Implantology, FDM, MU - Varna.

Sofia, October 6, 2020

Gave the opinion:



(Prof. Dr. Vera Krumova, MD)

