

REVIEW

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According to the procedure for occupying the academic position "Associate Professor" in the field of Higher education 7. "Healthcare and Sports" by professional direction 7.1 "Medicine" and Scientific specialty "Orthopaedics and Traumatology" at the Faculty of Medicine, Department of Orthopedics and Traumatology and Department of Orthopedics and Traumatology at the University Hospital- "St. Marina" - Varna, in connection with a competition announced in the "Government Newspaper", no. 54/23.06.2023

The review was prepared in accordance with the Law on the Development of the Academic Staff in the Republic of Bulgaria, the Regulations for the Application of this Law, the Regulations for the Development of the Academic Staff at the Medical University - Varna dated 21.11.2022, Annex No. 1 of these Regulations and Order No. P 109-371/ 21.08.2023 y. of the Rector of the University of Varna.

Only one candidate participated in the competition - Dr. Svetoslav Lachezarov Dobrilov , MD, PhD - Chief Assistant at the Department of Orthopedics and Traumatology, Medical University - Varna

Dr. Dobrilov was born in 1980. He graduated from Higher education in medicine with excellent results from the State exams at the Medical University - Varna in 2004. (Diploma No: 7528 of 13.10.2004). Acquired a specialty in " Orthopaedics and Traumatology " in 2011. (Certificate No: 015842 dated 31.01.2011). In 2018, he was awarded with the academic position "Ph.D" by a Scientific Jury after a defended dissertation on the topic "Osteoplastic reconstruction in anterior shoulder instability with accompanying bone loss of the glenoid" (Diploma No: 311 of 21.12.2018).

The professional experience of Dr. S. Dobrilov, MD, PhD was entirely as an orthopedic traumatology surgeon. Initially, he worked in MHAT " St.Anna" Varna - 2005/2011 and from 2012 and now in University Hospital "St.Marina" Varna. The total professional experience of Dr. Dobrilov, MD,PhD is 18 years and 2 months, with 12 years of experience in the specialty. and 5 m. (Certificate 381/23.06.2023 from UMBAL "St. Marina" EAD - Varna). He was the Head of Orthopedics and Traumatology Department from 12.2021 to 04.2022 at University Hospital " St. Marina" Varna. Since January 2012, Dr. Dobrilov has been a member of the teaching staff of the Medical University - Varna, successively passing the entire hierarchy of

non-habilitated academic career - assistant and head assistant (Certificate 099-1814/23.06.2023).

Dr. Dobrilov, MD, Ph D has dozens of specializations in orthopedic and trauma surgery in Bulgaria and the EU. He has a recognized legal capacity in "Joint replacement" and "Arthroscopy". Has completed "basic" and "advanced" courses at AO Travma (2011 and 2022). Dr. Dobrilov is a member of prestigious professional organizations: BOTA, EFORT, ESSKA ISAKOS and others. Speaks fluently English and German language.

1. SCIENTIFIC PRODUCTION

In the current competition, Dr. Svetoslav Lachezarov Dobrilov, PhD, presented: List and availability of copies of the author's abstract " Osteoplastic reconstruction in anterior shoulder instability with concomitant bone loss of the glenoid", monograph "Bone defects in anterior shoulder instability" ISBN 978-619-221-422-7, MU Varna 2023, scientific publications in specialized journals, reports and notices of participations in international and national conferences, symposia and congresses - a total of 54 titles. The tabular presentation of the quantitative indicators presented by the applicant is as follows:

A. Analysis of all scientific works

Scientific works	Number
Abstracts of dissertations	1
Monograph	1
Articles published in Bulgarian magazines and peer-reviewed scientific collections	24
Publications in refereed and IF journals	4
Scientific communications from international scientific forums	7
Scientific communications in national congresses with published abstracts	17
Total number	54

B. Citation Analysis

Quoted	Number
Citations in Bulgarian sources	0
Citations in foreign sources	4
Total number	4

For the citations in Bulgarian and foreign sources, a reference is presented by the Library of Medical University- Varna 317/ 22.06.2023.

C. Analysis of scientific activity according to Art. 126 and Appendix 1 of The regulations for the development of the academic staff at the University of Medicine - Varna from 21.11.2022

Scientific works	Independent	First author	Second author	Third and next	Number
Dissertations	1	0	0	0	1
Monographs	1	0	0	0	1
Publications and reports, in unreferenced peer-reviewed journals or published in edited collective volumes	0	3	8	6	17
Publications and reports, scientific publications, referenced and indexed in world famous bases	1	0	0	3	4
Total number	3	3	8	9	23

For the total number of papers of Dr. Dobrilov for participation in the Competition, according to the Regulations for the Development of the Academic Staff at MU-Varna and Appendix 1, I accept **23 (twenty-three scientific papers) from the total number of scientific works with which the candidate participated in the competition.** In 6 of them (26%), Dr. Dobrilov is the sole or first author . They contain their own scientific research and are published in Bulgarian and English respectively (7 publications). The submitted publications have not been used in previous competitions for the awarding of academic position "PhD" and "Chief Assistant".

According to Art . 125 (2), from The regulations for the development of the academic staff at MU-Varna, the monographic work of Dr. Dobrilov - "Bone defects in anterior shoulder instability " ISBN 978-619-221-422-7, MU Varna 2023 was issued in a volume of 162 pages.

contains data from own scientific research and is reviewed by two qualified teachers in the specialty. **The monograph fully meets the legal requirements for this type of work and the requirements of the current competition.** The candidate presents summaries of the monographic work in Bulgarian and English.

Citations of the candidate's works are 4 . All of them are in refereed journals abroad.

As an additional value for the high scientific production of Dr. Dobrilov, I can also reflect the scientific reports and announcements at international and national congresses in total - 24. The participations are in leading scientific forums for the specialty - Congresses and conferences of BOTA, most of which have international participation, Congresses of ESSKA, ISAKOS, etc.

Dr. S. Dobrilov is presented registration in Google Scholar and ORCID, and publications with relevant citations are reflected in his scientific profile. (Academic reference 317/ 22.06.2023)

According to the National minimum scientometric requirements for occupying the academic position of "associate professor", professional direction 7.1 medicine, in which the competition is held and Appendix 1 of the Regulations, Dr. S. Dobrilov, MD fully meets the **requirements minimum scientific-metric requirements** for holding an academic position "associate professor" at the MU, Varna:

A group of indicators	Content	Minimum Requirements for "Assistant Professor"	Submitted evidence of a participant in a competition for "associate professor" Medical University of Varna	POINTS		% PERFORMANCE
A	Indicator 1	50	Dissertation	50		100%
B	Indicators 3	100 monograph	Monograph ISBN - 978-619-221-422-7	100		100%
C	Sum of indicators 5-9	200	Referee. -4 Non-referee.-17	G-7	94	102%
				D-8	109.28	
				Total	203.28	
D	Sum of indicators 10-12	50	Foreign base - 4	60		120%

Qualitative analysis of the works of Dr. Svetoslav Lachezarov Dobrilov, MD.

Of the total number of scientific works, 91 . 3 % consider problems of Musculo-skeletal disorders. In total , the 23 scientific works accepted by me can be systematized in the following groups, with very frequent overlapping of topics:

	Theme	Number
1	Shoulder instability and associated bone defects	3
2.	Joint replacement	5
3.	Arthroscopy and sports traumatology	11
4	Others	4

Brief analysis of contributions by thematic sections

contributions are scientific-practical and confirmatory.

I. Shoulder instability and associated bone defects.

- The significance of glenoid bone loss in anterior shoulder instability is defined.
- A diagnostic algorithm for assessment and methodology for the calculation of glenoid bone loss was defined.
- A coracoid transfer technique was introduced for the correction of bone loss of various sizes.
- The indications for the application of coracoid transfer have been extended even in borderline bone loss with a moderate number of episodes of instability.

II . Joint replacement. The results are presented collectively in 5 publications including the following contributions :

- A thorough analysis of the possibilities of dual-mobility acetabular components in the treatment of femoral neck fractures in elderly patients and in revision arthroplasty was made
- The benefits of custom femoral stems in patients with extra-articular hip deformities, allowing accurate restoration of hip kinematics in young patients with pre-existing joint pathology, have been confirmed.
- The analysis of the use of tranexamic acid for the control of blood loss in joint replacement and extensive bone surgery allows the expansion of its therapeutic indications.
- A modern pre- and post-operative analysis has been developed, allowing the setting of precise indications and the correct execution of the operative technique in shoulder arthroplasty.

- The proposed typing of the functional phenotypes of the knee joint, especially in young patients with osteoarthritis, refines the arthroplasty of the knee joint.

A publication from this direction - "Dual mobility cups reduce dislocation rate in total hip arthroplasty for displaced femoral neck fractures" was cited by 4 foreign authors in refereed journals.

III . Arthroscopy and sports traumatology.

The advantages of arthroscopy in clinical practice have been proven both in young patients with traumatic conditions and in adults with degenerative changes. Mini-invasive techniques have been demonstrated for the most common traumatic conditions both in professional athletes and in people with high physical activity: anterior cruciate ligament reconstruction, tendon and muscle ruptures. Rare cases in clinical practice such as osteochondroma of the scapula and skeletal muscle echinococcosis have also been published.

IV . The varia section includes publications dealing with the multidisciplinary approach to treatment. The advantage of the relationship between orthopedists and kinesiologists in modern practice is presented. According to the authors, this is absolutely necessary to achieve an optimal functional result from the treatment of a specific disease. The analysis of the results shows high satisfaction in patients treated by such teams, compared to a single-person therapeutic approach. The scientific constraints of this section concern not only our specialty, but also public health care as a whole. The latest works reflect the high scientific erudition of Dr. Dobrilov and outside our specialty.

2. EDUCATIONAL AND TEACHING ACTIVITY

Chief assistant Dr. Svetoslav Lachezarov Dobrilov, MD, has been actively engaged in teaching since 01.10.2005, as an assistant (2005-2019) and chief assistant (since 10.12. 2019 and up to now). His seniority at the last academic position was 3 years, 8 months, and in general 17 years, 10 months.

He is a teacher of students from the Faculty of Medicine at the University of Varna. Leads exercises in Bulgarian and English. The total classroom employment of Dr. Dobrilov for the period 2018 /2019 – 2022 /2023 is 1219 teaching hours (Reference 112- 249 /2023 .06.2023 MU Varna). Average year old distributed through the last ones 5 years , **the candidate's study load is 243.6 hours** , which fully meets the requirement of Art. 125 (3) of Regulations for development on the academic composition at the University of Varna - Varna

3. DIAGNOSTIC AND THERAPEUTIC ACTIVITY

Dr. Svetoslav Dobrilov, MD is a fully established orthopedic traumatologist. Performs independently all complex and very complex surgeries in the field of operative orthopedics and traumatology. The applicant's surgical load for the last years is above the standard "Orthopaedics and Traumatology". According to the attached report, for the period 2020-2023 , he performed 1126 operations in the field on the limbs and the pelvis , of which over 30 % are large and very large surgical operations. (Reference GAMA, 09.2023).

In conclusion:

The analysis of all the administratively required documentation, based on the attached works, their quantitative and qualitative analysis as scientific production and their compliance with the requirements of the Law, give me the reason to vote "**positive**" and propose to the respected Jury, as well as to the members of the Academic Council of the Medical University of Varna, the only one who submitted the necessary documentation for the announced competition (announced in Gov.News. No. 54/23.06.2023) for the occupation of an academic position "Associate Professor" in the field of higher education 7. "Health and Sports" in the professional direction 7.1 "Medicine" and scientific specialty "Orthopaedics and Traumatology" at the Faculty of "Medicine", Department of "Orthopaedics and Traumatology" and Clinic of Orthopedics and Traumatology at UMBAL "St. Marina" EAD-Varna, Dr. Svetoslav Lachezarov Dobrilov, MD **to be elected Associate Professor of Orthopedics and Traumatology.**

09/24/2023

Prof. Dr. Hr. Georgiev ,MD, DSc

