

To the Chairman of the Academic Council,

MU Varna

Sofia

08/24/2020

OPINION

from

Prof. Dr. Plamen Kinov, MD, PhD, DSc, Head of the Clinic of Orthopedics and Traumatology, University Hospital "St. Joanna - ISUL ", Sofia

Appointed by order Order № P - 109 - 195 / 03.06.2020 of the Rector of MU Varna as an external member of the scientific jury.

Subject:

Procedure for holding the academic position of "Professor" in the field of higher education 7. "Health and Sports" in professional field 7.1 "Medicine" and scientific specialty "Orthopedics and Traumatology" at the Department of Orthopedics and Traumatology at the Faculty of Medicine of MU Varna, in connection with a competition announced in the State Gazette, issue 8 / 28.01.2020

The opinion was prepared in accordance with the Law for development of the academic staff in the Republic of Bulgaria, Rules for application of this law and the Rules for development of the academic staff in MU-Varna.

Only one candidate, Assoc. Prof. Dr. Margarita Mihailova Kateva, MD, who is currently working at Sofia Med University Hospital, is participating in the competition.

Assoc. Prof. Margarita Kateva began her career as a resident doctor in the Surgical Department at the Regional Hospital in Elin Pelin (1983-1987). After that she worked as an ordinator in the Department of Hand Surgery at the NI Pirogov Hospital (1987-2011) and later she was the head of the 1st Traumatology Clinic at the NP Pirogov Hospital (2011-

2014). Since 2014, Assoc. Prof. Kateva has been the Head of the Department of Hand Surgery and Reconstructive Surgery at the Sofamed University Hospital.

She acquired a degree in Orthopedics and Traumatology in 1993 and in 2008 the Higher Attestation Commission awarded her Doctor with a dissertation on "Emergency reconstruction of traumatic defects of the fingers with retrograde homodigital and metacarpal island flaps." Since October 2012, the candidate has held the academic position of "Associate Professor" at the University Hospital "NI Pirogov".

Assoc. Prof. Kateva has a Master's degree in Health Management from the Southwestern University "Neofit Rislki" - Blagoevgrad.

Regular participant in scientific juries for awarding scientific degrees and academic positions. Scientific supervisor of postgraduates and doctoral students.

Assoc. Prof. Kateva has a subspecialty in microvascular surgery and hand surgery. There are a number of specializations, including long-term reconstructive surgery, peripheral nerve surgery, hand surgery, microsurgery and more. at the Milesi Center, Vienna, Rechts an der Isar Clinic, Munich, specialized clinics in Budapest, Ankara, Florence, etc.

She is the chairman of the examination commission for VSD "Hand surgery" (Order №RK 36-180, from 13.02.2019).

Assoc. Prof. Kateva is a member of a number of authoritative professional organizations: Bulgarian Orthopedic Traumatological Association (BOTA), the Bulgarian Society of Hand Surgery of which she is also President, FESSH (Federation of European Societies for the Surgery of the Hand) and IFSSH (International Federation of Societies for Surgery of the Hand).

1. SCIENTIFIC PRODUCTION

The tabular presentation of the quantitative indicators presented by the candidate is the following:

Author place	Dissertation	Publications in refereed and IF	Monography	Publications in non-refereed journals	Participations in national and international forums in Bulgaria	Participations in international forums abroad	Overall
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1. Only author	1	0	2	2	15	14	34
2. First author	0	2	0	24	16	13	55
3. Second author	0	0	0	4	13	9	26
4. Third author	0	4	0	2	3	4	13
Overall	1	6	2	32	47	40	128

Analysis of scientific work

41 publications meet the criteria for participation in the competition - dissertation abstract, 2 monographs and 32 publications in Bulgarian scientific journals and collections and 6 publications in English in refereed scientific journals, of which 3 with IF and 3 cited in a world database. Assoc. Prof. Dr. Kateva is the only or first author in 28 of the recognized scientific papers for the competition. The total impact factor of the candidate's publications is IF 0.321. All the listed publications have not been used in awarding the scientific and educational degree "Doctor" and the academic position "Associate Professor".

References are presented for 42 citations (4 citations in cited journals from the World Databases Web of Science and Scopus, 5 citations in monographs and dissertations and 33 citations in Bulgarian journals). Academic reference MU Varna, 18.03.2020 and reference CMB Ex. 102 / 16.03.2020).

Analysis of scientific activity

Assoc. Prof. Kateva participates in a research project 2108, № H27 / 36 with the topic "Antenna technologies on the human body in future communication networks" (Research Fund).

An expression of the high scientific activity of Assoc. Prof. Kateva are the number of scientific reports and announcements at national and international congresses - podium presentations and posters (87 scientific papers). Assoc. Prof. Kateva is a regular participant in elite international forums such as FESSH, IFSSH, ICMS, German Nerv Club Meeting. Its national activity is also high - regular participation in the events of BOTA, the Society of Hand Surgery, the Balkan Association of Plastic, Reconstructive and Aesthetic Surgery and other meetings.

According to Art. 102 (1), item 17b of the Regulations for the development of the academic staff at MU-Varna, Assoc. Prof. M. Kateva has presented registration in Google Scholar, as in her scientific profile are reflected 6 publications and 4 citations (Academic reference MU Varna, March 18, 2020 and CMB Information Issue 102 / March 16, 2020).

According to the minimum scientometric requirements for holding the academic position "Professor" Assoc. Prof. Dr. M. Kateva MD fully meets the required scientific and metric criteria for holding the academic position "Professor" at MU Varna:

Group of indicators	Content	Minimal requirements for professor	Evidence of participation in a competition for "professor" at the MF of Varna Medical University	Points	% implementation
A	Indicator 1	50	Disertation	50	100%
B	Indicator 3	100 monography	Monography ISBN - 978-619-91405-0-5	100	100%
C	Sum of indicators 4-9	200	Monography not main habil-1 refereed. -6 non-refereed.-25	532.7	266%
D	Sum of indicators 10-12	100	International – 4 Bgmonography. – 5 Bg journals - 33	275	275%

Contributions to the works of Assoc. Prof. Margarita Kateva

The main emphasis in the scientific activity of Assoc. Prof. Kateva is the reconstructive soft tissue surgery of the upper limb. In this section are over 95% of scientific papers.

- Problems of peripheral nerve surgery - 1 monograph, 20 real publications, 30 reports with published abstracts and 21 reports at scientific forums, as they are in the journal "Emergency Medicine and in the journal Orthopedics and Traumatology".
- Plastic reconstructive surgery and the technique of the flap for reconstruction of post-traumatic defects of the hand are the subject of 1 dissertation, 1 monograph, 22 publications and 28 scientific reports - 35% of the scientific papers.

- Others: orthopedics of the upper limb.

Tabularly these various topics and scientific publications are as follows:

Topics	Real Publications and Monographs Reports	Participations, Plenary lectures	Overall
Early surgical treatment after plexusbrachialis injury	8	16	24
Anatomy	2	1	3
Surgical reconstruction of plexus brachialis trauma in the newborn	1	12	13
Postoperative behavior	5	3	8
Description and application of neurotisation in the treatment of plexus lesions	6	12	18
Algorithm of treatment in recovery of movements in the parquet become	3	7	10
Behavior algorithm for abduction, rotation, and stabilization in the shoulder joint	3	5	8
Nerve transfers with high peripheral nerve damage upper limb	6	20	26
Nerve transfers in n.medianus injury	3	5	8
Nerve transfers in case of n.ulnaris injury	2	8	10
Nerve transfers in n.radialis injury	1	7	8
Surgical treatment for peripheral nerve injury of the lower limb	4	3	7
Flap for reconstruction of posttraumatic hand defects	23	28	51

Upper limb orthopedics	7	7	14
Varia	9	3	12

MORE IMPORTANT SCIENTIFIC AND PRACTICAL CONTRIBUTIONS

1. Developments on neurotisation in plexus injuries - subject of 1 monograph and 6 publications. An algorithm of behavior in the restoration of movements in the elbow and shoulder joints is proposed. The contributions are scientifically applied and confirmatory. The citations in the section are in 5 publications.

2. Trauma of the plexus brachialis the contributions are mainly scientifically proved. The main clinical signs of different degrees of trauma of the plexus brachialis in obstetric paralysis are considered. Schemes for operative behavior at different levels and degrees of injury are provided. Algorithms of operative behavior at different levels and degrees of injury to the plexus have been created, own modifications and improvements in surgical techniques, postoperative behavior and reporting of postoperative results have been proposed. The citations in this area are 8.

3. High injuries of the peripheral nerves of the upper limb and nerve transfers: An algorithm of operative behavior in case of high injury of: 1. N.radialis-nerve grafts+ selective nerve transfer (n.medianus / n.interosseus posterior), 2. N.medianus- nerve grafts + selective nerve transfer n.radialis / n.interosseus anterior and r.profundus n.ulnaris / r.thenaris n.medianus and 3. N.ulnaris- nerve grafts+ selective nerve transfer n.interosseus anterior / n.ulnaris and r.thenaris n.medianus / r.profundus n.ulnaris. - N. radialis, n. medianus, N. ulnaris - a total of 5 publications on the topic. There are 5 citations on the topic.

4. Plastic reconstructive surgery for hand injuries: In 22 publications and 1 monograph Assoc. Prof. Kateva analyzes plastic reconstructive surgery for hand injuries, mainly through different flap models. An objectively applicable algorithm of operative behavior in the reconstruction of the thumb, in skin defects of the fingers and reconstruction of the first interdigital space has been introduced. The citations in this area are 2.

5. Algorithm of behavior in case of injury to peripheral nerves of the lower limb: The contributions are confirmed in case of injury to n. ischiadicus, n. femoralis and n.peroneus.

2. TEACHING ACTIVITY

The total teaching experience of Assoc. Prof. Kateva is 9 years of lecture activity, exercises and extracurricular activities, which fully meets the requirements of Art. 100 item 2 of PRAS of MU-Varna.

Assoc. Prof. Kateva is actively involved in teaching and teaching activities as a lecturer in SDO - specialists in orthopedics and traumatology. For the period 2011-2014 she has supervised internships for medical students and residents at the Pirogov University Hospital and from the Department of Orthopedics and Traumatology at the Medical University of Sofia.

Assoc. Prof. Kateva lectures at the Basic Course in Traumatology, majoring in Orthopedics and Traumatology.

According to the KSF, Assoc. Prof. Kateva is Chairman of the Examination Commission (since 2019) and lecturer in courses (since 2013) for VSD "Hand Surgery" and "Microvascular Surgery".

She is the scientific supervisor of three specialists under Ordinance 1 at the Sofia Med University Hospital. One of them successfully defended ONS "Doctor" in 2017.

3. DIAGNOSTIC AND TREATMENT ACTIVITY

Assoc. Prof. Kateva is an orthopedic traumatologist with a busy clinical practice. Performs independently the entire volume of interventions, incl. complex and very complex operations in the field of soft tissue orthopedic trauma surgery. She is an innovator who has introduced a number of microsurgical techniques for reconstruction in plexus and nerve injuries. Develops valuable treatment protocols for practice. According to a report for the period 2017 - 2020, it has performed 957 operations, of which 876 operations (88%) have a large and very large volume of complexity. (Reference to Sofiamed University Hospital).

Personally, Assoc. Prof. Kateva is communicative, collegial, taking risks and responsibilities. She has worked in large units such as the Department of Orthopedic Traumatology of the University Hospital "N. I. Pirogov" and in the Clinic of Orthopedics and Traumatology of Sofiamed University Hospital. He has managerial experience and has administrative, technical and organizational skills for teamwork.

In conclusion:

The candidate Assoc. Prof. Dr. Margarita Mihailova Kateva has presented the necessary documentation for the competition, corresponding to the requirements of the law and the Regulations of MU Varna to be selected as a "Professor" in orthopedics and traumatology.

Based on the above facts based on the documentation attached to the competition and their compliance with the requirements of the Academic Staff Development Act, I vote "positive"

and propose to the members of the highly respected scientific jury and the members of the Academic Council of MU Varna to award of Assoc. Prof. Dr. Margarita Kateva the academic position "Professor" in the scientific specialty "Orthopedics and Traumatology" at the Department of Orthopedics and Traumatology of MU Varna.

A handwritten signature in blue ink, consisting of a large, stylized initial 'P' followed by several vertical strokes and a final flourish.

Prof. Dr. Plamen Kinov, MD, PhD, DSc