

REVIEW

Subject: Competition for the academic position "Associate Professor" in the field of higher education 7. Health and sports, professional field 7.1. Medicine, scientific specialty "Orthopedics and traumatology - bone - joint infections", announced by Sofia University "St. Kliment Ohridski "in the State Gazette, issue 22 / 16.03.2021

by Prof. d-r Margarita Kateva, MD, member of the Scientific Jury, position -.chief of department of hand surgery and reconstructive surgery in UMHAT Sofiamed

Details of the competition procedure:

The normative requirements regarding the competition procedure are met. The competition for the academic position of "Associate Professor" in a professional field 7.1. Medicine (Orthopedics and Traumatology - Bone - Joint Infections - one) has been announced for the needs of the Department of Surgical Diseases, Obstetrics and Gynecology at the Medical Faculty of Sofia University "St. Kliment Ohridski ". The announcement for the competition was published in State Gazette, issue 22 / 16.03.2021 The composition of the scientific jury was determined by Order of the Rector № ПД -38- 227/14.05.2021 г, based on a decision of the Faculty Council of the Medical Faculty MINUTES № 87/12.05.2021 Г . One candidate participates in the competition: Dr. Yavor Georgiev Grigorov, MD. The review has been prepared in accordance with the Law on the Development of Academic Staff in the Republic of Bulgaria (RASRB), the Regulations for the Implementation of the RASRB and Section IV (Conditions and Procedure for Occupying the Academic Position of "Associate Professor"). degrees and holding academic positions at Sofia University "St. Kliment Ohridski ".

The documents of the candidate are in full compliance with the normative requirements for admission and participation in a competition for the academic position of "Associate Professor" at Sofia University "St. Kliment Ohridski ". They are presented in sequence from №1 to №3, from №5 to №7, from №10 to №18 and include attached evidence:

1. Curriculum vitae;
2. Diploma of higher education;
3. Diploma for educational and scientific degree "Doctor";
5. Document for scientific title or academic position;
5. Certificate for work experience in the specialty
6. Documents proving the fulfillment of the requirements under art. 105, al. 1, item 2;
- 7 Medical certificate certifying mental and physical health, as well as

8. Certificate of criminal record certifying the absence of a imposed penalty "deprivation of the right to practice a certain profession or activity" - are not presented according to the regulations, due to the fact that currently e- Mr. Yavor Grigorov has an employment contract at Sofia University "St. Kliment Ohridski ”;
9. List of publications, inventions and other scientific and applied results, including: a / list of all publications b / list of publications submitted for participation in the competition;
10. List of publications, conferences, projects and scientific manuals, generated by the system "Authors", due to the fact that the candidate holds an academic position at Sofia University "St. Kliment Ohridski ”;
11. Information on a sample for implementation of the minimum national requirements for the respective scientific field and the additional requirements of Sofia University “St. Kliment Ohridski ”, with the evidence attached to it, including the acquired specialty in“ Orthopedics and Traumatology ”and“ Sports Medicine ”;
12. References to the citations with a complete bibliographic description of the cited and cited publications;
13. Information on the original scientific contributions, with the attached relevant evidence;
14. Information on the indicators under Art. 112, para. 2 with the relevant evidence;
15. Scientific papers submitted for participation in the competition, structured and numbered according to the list under item 10 b;
16. The summaries of the peer-reviewed publications in Bulgarian and in one of the languages traditionally used in the respective scientific field;
17. Copy of the announcement in the State Gazette.

Biographical data and academic development of the candidate:

Dr. Yavor Grigorov was born in 1960 in Burgas - hereditary physician. He graduated from the Naval School in his hometown, where he received his secondary education and completed his regular service in the Navy. From 1980 to 1986 he was a student at the Medical University - Varna. During his studies he was a member, and in the last year - chairman of the circle of Orthopedics and Traumatology at the clinic of the same name. He participated in scientific developments, awarded first and second place in the surgical sessions for Technical and Scientific Creativity of Youth (TNTM), in 1983 and 1984. Biographical data and academic development of the candidate: Dr. Yavor Grigorov was born in 1960 in Burgas - hereditary physician. He graduated from the Naval School in his hometown, where he received his secondary education and completed his regular service in the Navy. From 1980 to

1986 he was a student at the Medical University - Varna. During his studies he was a member, and in the last year - chairman of the circle of Orthopedics and Traumatology at the clinic of the same name. He participated in scientific developments, awarded first and second place in the surgical sessions for Technical and Scientific Creativity of Youth (TNTM), in 1983 and 1984. Dr. Yavor Grigorov's career began as head of the rural health service in Obzor, where he worked between 1986 and 1989. From 1989 to 1991 he was an intern at the Clinic of Orthopedics and Traumatology in Burgas. In 1991 he started working at the Second Clinic of Orthopedics and Traumatology of the Pirogov Institute. From 1993 to 1998 he was an intern at the Clinic of Orthopedics, Traumatology and Plastic Surgery at the Institute for the Treatment of Foreign Citizens - Sofia (St. Anna University Hospital). In 1998 he started working at the University Hospital in Sabrata - Libya, as head of the Department of Orthopedics and Traumatology at the Surgical Clinic and was a consultant at the National Oncology Institute in the same city until 2009. During his stay in Libya he performed over 2,300 surgeries, interventions. For his eleven years of activity, Dr. Yavor Grigorov was awarded a Certificate of Honor for excellent work by the management of the University Hospital in Sabrata. In 2010 he successfully defended a dissertation dedicated to bone infections and obtained the scientific degree "Doctor" before the Higher Attestation Commission. In January 2011 he started working at the Clinic of Orthopedics and Traumatology at Lozenets University Hospital, Sofia, successively as an intern, part-time and chief assistant. For these years teaching activity at the Medical Faculty of Sofia University "St. Kliment Ohridski ", Dr. Grigorov has 2134 teaching hours (classroom and extracurricular employment), has led a specialization in orthopedics and traumatology, was a mentor in the project " Student Internships "for training students from Sofia University" St. Cl. Ohridski ", co-financed by the European Union, in the period 13.06.2013 - 30.04.2015, as well as a reviewer of a diploma thesis for obtaining the educational degree " Master " - 2015. He has performed over 1000 operative interventions and thousands of consultative examinations. at Lozenets Hospital. During his career Dr. Grigorov acquired the following qualifications: specialty in Sports Medicine at the Faculty of Social Professions (FOP) - in 1985; specialty in Orthopedics and Traumatology - in 1993; course in Spinal Surgery - in 1994, course in Joint Endoprosthesis - 2012. He has participated in international conferences and congresses. He has 31 publications and is the author of the monograph - "Osteomyelitis". He has presented 31 scientific papers. He has participated in editorial boards of medical journals. He is a member of BMA, BOTA, the Union of Scientists in Bulgaria, the Bulgarian Society of Dermatological Surgery, of which he is also a founder. Fluent in English (IV level Alliance),

Russian and spoken - Arabic. During his studies, in 1985 he graduated in Journalism at the Faculty of Social Professions (FOP). He has published articles and articles. Dr. Grigorov has two sons.

Research and scientometric data:

The scientometric data of the candidate are in accordance with the criteria and indicators for evaluation by the Scientific Jury recommended in the normative documents when conducting a competition for "associate professor". The scientific papers submitted for review are from the field of higher education 7. Healthcare and sports, professional field 7.1. Medicine, scientific specialty "Orthopedics and Traumatology". The list of publications submitted for participation in the competition is mainly in the following areas of the specialty and includes: **1. Dissertation** for the award of ONS "Doctor" in "Orthopedics and Traumatology": Bone infections - epidemiology and treatment (eleven-year study - 1998 - 2009 in the region of North Africa), with supervisor: Assoc. Prof. Diko Boshnakov. **2. Monograph:** "Osteomyelitis", Kronos Publishing House, Sofia 2019. **3. The scientific publications** submitted for participation in this competition are 27 (including - 5 in publications referenced and indexed in world-famous databases with scientific information and 22 in non-refereed journals with scientific review). The analysis of the publications includes: bone - joint infections - 8, benign tumors - 5, malignant tumors - 11, degenerative diseases - 1, neurological diseases - 1, congenital malformations - 1. In 21 (77.77%) of the presented 27, Dr. Grigorov is the first author; in 2 (7.40%) - second and in 4 (14.81%) third and next. **4. The reports presented at scientific forums** submitted for participation in the competition are 25, the analysis of which includes: bone - joint infections - 8. benign tumors - 3, malignant tumors - 10. trauma - 1, degenerative diseases - 1, neurological diseases - 1, congenital malformations - 1.

Citation:

According to the report submitted by CMB, MU - Sofia in the Scopus database were found - 9 citations; in Web of knowledge - 6 citations; in Bulgarian sources are found - 2 citations; in other foreign databases - 4 citations. According to a reference from NACID - 13 citations were found in the databases Scopus, Web of Science and other databases. IF of the journals in which the citations are is 13.2; The SJR is 6,049. According to NACID reports, the SJR value for publications is 0.764.

Scientific contributions:

The contributions from the scientific and creative work of Dr. Grigorov are reflected in the "Information on the original scientific contributions" attached to the documents for the competition. They are the result of research in the main scientific areas listed above, substantiated and substantiated with evidence. They refer to the following stages of the scientific and creative development of the candidate: **1. *The dissertation*** of Dr. Grigorov for awarding the "Doctor: Bone Infections - Epidemiology and Treatment (eleven-year study 1998 - 2009 in the region of North Africa)", with supervisor Assoc. Prof. Diko Boshnakov, MD. . and official reviewers Prof. Borislav Vladimirov, MD and Assoc. Prof. Ivan Poromanski, Ph.D. is dedicated to an extremely current topic. Written on 133 pages and contains 100 figures, 16 graphs and 17 tables. The literature reference was made on 275 publications, of which 29 in Cyrillic and 246 in Latin. The scientific contributions of the dissertation work include: 1. Own classification of bone infections has been developed; 2. Based on the classification, a universal algorithm of surgical behavior has been developed, 3. Modified Papineau's operative method for the treatment of extensive bone infections, with long evolution, near large joints; 4. Rehabilitation of femoral osteomyelitis has been reported for the first time, over 34 years of age; 5. An epidemiological study of bone infections has been carried out for the first time in this geographical area; 6. The probable causes of the high frequency of septic complications, namely nosocomial infections, have been clarified. **2. *Monographic work "Osteomyelitis"***, Publishing House "Kronos" Sofia, 2019, annotation by Prof. Diko Boshnakov, MD. Severe injuries in recent years, leading to serious damage to the limbs, as well as the use of extensive implants, are a prerequisite for the occurrence of bone infections. Their surgical treatment continues to be a challenge in modern medicine. This determines the relevance and practical significance of the presented monograph "Osteomyelitis", published after more than 33 years of medical practice, as more than 20 devoted to bone - joint infections, including 11 abroad - North Africa. The scientific work contains 12 chapters, presented in 152 pages. They are illustrated with 86 figures, 17 tables, 4 graphs. Extensive material on the topic has been reviewed, as the bibliography contains 504 titles (40% of the last 2-3 years). After an extensive historical overview, the monograph presents the latest data on the epidemiology, etiology, localization and pathogenesis of bone infections. The most modern methods for early diagnosis and conservative treatment of osteomyelitis are presented. The scientific work contains 12 chapters, presented in 152 pages. They are illustrated with 86 figures, 17 tables, 4 graphs. Extensive material on the topic has been reviewed, as the bibliography contains 504 titles

(40% of the last 2-3 years). After an extensive historical overview, the monograph presents the latest data on the epidemiology, etiology, localization and pathogenesis of bone infections. The most modern methods for early diagnosis and conservative treatment of osteomyelitis are presented. The original algorithm of surgical treatment has been further developed on the basis of a further developed own classification of bone infections, by clearly differentiating the main of the auxiliary treatment methods and combining them for each specific case. According to the annotation of Prof. Diko Boshnakov, MD, the presented general material, as well as the author's own experience, are an invaluable practical aid for the specialists working in purulent-septic surgery.

3. Publications:

A total of 31 scientific publications were presented, of which 27 for participation in the current competition (including 5 in publications referenced and indexed in world-famous databases with scientific information) and 26 in non-refereed journals with scientific review). In connection with the dissertation, earlier, 4 scientific publications were presented. In 25 of all 31 publications or 80.64%, Dr. Ya. Grigorov is the first author. In 3 he is second (9.67%) and in 3 (9.67%) - third or next author. Of all 31 scientific publications, 12 (38.7%) are devoted to bone and joint infections, 11 (35.48%) to malignant tumors, 5 (16.12%) to benign tumors, 1 (3.22%) - to degenerative disease, 1 (3.22%) of neurological disease, 1 (3.22%) congenital disease. The unique cases described in the scientific publications include - synovial lipomatosis of the foot, successfully treated bone infections of the femur, respectively 20 and 34 years old. Operated patients with extremely rare diseases and localizations are described, which include - the second largest femoral liposarcoma in the world, amputation of the shoulder girdle - clavicle scapula and upper limb (performed for the second time in Bulgaria), as well as rare cases of femoral liposarcomas, chondrosarcoma of the tibia, a patient with clavicular fibrosarcoma appeared 30 years after radiotherapy for breast cancer, successfully treated by claviclectomy, Ewing's sarcoma localized in the clavicle, one-stage femoral reamputation for femoral osteomyelitis, dorsal scapular exostole.

4. Participation in scientific forums:

Dr. Grigorov has presented a total of 31 papers at scientific conferences (6 of them are in connection with the dissertation), in Bulgaria and abroad. The analysis of the reports

includes: bone and joint infections - 14 (45.16%); benign tumors - 3 (9.67%); malignant tumors - 10 (32.25%); trauma - 1 (3.22%); degenerative diseases - 1 (3.22%), neurological diseases - 1 (3.22%), congenital malformations - 1 (3.22%).

5. Publications in collections of abstracts:

Dr. Grigorov has 4 publications in collections of abstracts, including - 2 at international forums, one abroad - dedicated to bone tumors, 1 dedicated to bone - joint infections, 1 dedicated to stimulating bone adhesion and 1 dedicated to congenital anomalies, the last two being awarded I and II prizes at the scientific sessions of TNTM (technical and scientific creativity of the youth), respectively in 1983 and 1984.

6. Participation in editorial boards:

Dr. Grigorov has participated in 5 editorial boards for the publication of medical journals: **1.** Proceedings of the Eighth National Conference on Thermal Trauma and Plastic Surgery - Varna 2014. **2.** Proceedings of the Seventh Scientific - Practical Symposium on Methods of Treatment in Plastic Surgery and Thermal Trauma - Varna 15.06.2012 **3.** Proceedings of the Sixth Scientific and Practical Symposium on the Problems of Thermal Trauma and Plastic Surgery - Varna 17.06.2011 **4.** Proceedings of the Fifth Scientific and Practical Symposium on the Problems; of thermal trauma and plastic surgery - Varna 01.10.2010 **5.** Proceedings of the Fourth scientific-practical symposium "Difficult to heal wounds"; Varna - October 2, 2009.

7. Awards:

1. Certificate of Honor, presented by the management of the University Hospital in Sabratha - Libya (Sabratha Teaching Hospital - Libya) for excellent eleven years of work as head of the Department of Orthopedics and Traumatology, with over 2300 surgical interventions and tens of thousands of consultative examinations. **2.** Tenth Joint Scientific Session of Technical and Scientific Creativity of Youth (TNTM); Varna - 27 - 28.04.1984 N. Kolev, A. Angelov, J. Grigorov, J. Balev. Circle of orthopedics and traumatology - MU - Varna. **3.** Ninth Joint Scientific Session of Technical and Scientific Creativity of Youth (TNTM) (Ninth Joint Scientific Session of Young Researchers and Students); Varna - April 21-23, 1983 I. Ivanov, J. Grigorov, J. Balev. Circle of orthopedics and traumatology - MU -

Varna. Leader of the topic - Dr. Govedarov. Frequency of congenital foot deformities in children, based on materials from the children's orthopedic office at POCB - Varna. (Second place in the surgical section).

Minimum national requirements:

The comparative analysis of the minimum national requirements under Art. 26 of ZRASRB for scientific field 7. Healthcare and sports, professional field 7.1. Medicine with the attached reference for the real points shows that Dr. Yavor Grigorov meets the minimum national requirements for holding the academic position of "Associate Professor". The analysis of the respective groups of indicators A, B, C, D, E, E of Dr. Grigorov shows the following: Indicators A (50), B (0) and C (100) - meet national requirements. Indicator D is 230.98 with a minimum value of 200; indicator D is 155 at a minimum value of 50; indicator E of the candidate is 125, with minimum national requirements 0. The total number of points of Dr. Grigorov is 660.98 with a minimum number as a national requirement for the academic position "associate professor" - 400. By group of indicators - D, E, E, Dr. Grigorov's values exceed the minimum national requirements.

Teaching and learning activities:

Dr. Yavor Grigorov is a lecturer at the Medical Faculty of Sofia University "St. Kliment Ohridski" in the discipline "Orthopedics and Traumatology" for almost 10 years, the last 9 of them being a chief assistant. To date, there are 2133.9 hours of classroom and extracurricular employment, with Bulgarian and English-speaking students in the master's program, for the specialty "Medicine", as well as with students in the bachelor's program, in the specialty Medical Rehabilitation and Occupational Therapy. He led a specialization in orthopedics and traumatology, was a mentor in the project "Student Internships" for training students from Sofia University "St. Kl. Ohridski", co-financed by the European Union, in the period 13.06.2013 - 30.04.2015, as well as a reviewer of a diploma thesis for obtaining the educational degree "Master" - 2015.

Conclusion:

Dr. Yavor Georgiev Grigorov, MD, participating in the competition for the academic position "Associate Professor" meets the regulatory requirements of

ZRASRB and the Regulations on the terms and conditions for obtaining scientific degrees and holding academic positions at Sofia University "St. Kliment Ohridski ". His scientometric data exceed the minimum national requirements, normative criteria and indicators for evaluation of the candidates during the competition for the academic position "Associate Professor". The complex evaluation of his documents and activity gives - grounds for a **positive** opinion, which is why I propose to the esteemed members of the Scientific Jury to make a decision for to elect Dr. Yavor Georgiev Grigorov, MD for "Associate Professor" in: 7.1. Medicine (Orthopedics and Traumatology) and holding this academic position at the Medical Faculty of Sofia University "St. Kliment Ohridski ".

Member of the Scientific Jury and reviewer:. .
(Prof. d-r Margarita Kateva)

09.07.2021 г.