

OPINION

by

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Member of the Scientific Jury, designated by Order No. P-109-398/September 20, 2021 by Prof. Dr. Valentin Ignatov, MD, PhD - Rector of Medical University Prof. Dr. Paraskev Stoyanov, Varna.

Subject: Competition for the occupation of the academic position Associate Professor in the field of higher education 7 Health and Sports, in the professional field 7.1 Medicine and scientific specialty "Rheumatology" for the needs of the Educational sector Rheumatology, First Department of Internal Diseases, Faculty of Medicine at the Medical University of Varna and for the Clinic of Rheumatology at the University Hospital "St. Marina" - Varna.

Brief information about the competition

By order No. P-109-398/20.09.2021 of the Rector of the Medical University-Varna I was appointed to prepare an opinion. The competition was announced in the State Gazette No. 61/23 Jul 2021. Dr. Tsvetoslav Antonov Georgiev is the only candidate. The procedure for announcing the competition is in accordance with the requirements of the Law for the Development of the Academic Staff in the Republic of Bulgaria / 05.05.2018 and with the Rules for the Development of the Academic Staff in the Medical University-Varna / 28.01.2021.

Short details of the applicant

Dr. Tsvetoslav Georgiev completed hiser higher education in medicine in 2012 at the Medical University - Sofia. He started his professional career as a junior specialist/junior expert in the Executive Agency on Transplantation. From 2014 to 2018 he was a specializing physician in UMHAT St Ivan Rilski, Sofia, and from 01.2019 to 07.2019 he works as a physician rheumatologist in the Rheumatology Ward of MHAT Serdika in Sofia. Since 07.2019 he is appointed as a physician rheumatologist in the Clinic of Rheumatology in UMHAT Sv. Marina, Varna and since 07.2020 he is elected as a senior Assistant Professor in the First Department of Internal Medicine, Medical University of Varna. Dr. Georgiev masters English and German languages.

Specialties acquired and postgraduate qualifications

Dr. Tsvetoslav Georgiev has acquired specialty in Rheumatology - 2018.

Specializations:

Qualification in musculoskeletal ultrasound - basic level 2016

Qualification in musculoskeletal ultrasound - intermediate level 2017

Qualification in capillaroscopy

Qualification in diagnostic imaging in rheumatology

Qualification in osteodensitometry

Certificates for writing and editing scientific literature, as well as for editing medical articles.

Projects:

He participated in a project "Young Researcher" of MU-Sofia in 2015 and project "GRANT" 2016 of MU-Sofia..

Professional Experience

Dr. Tsvetoslav Georgiev directs his professional qualification in the field of Rheumatology and has 7 years dedicated to the treatment of rheumatological patients.

In terms of professional qualification, he fulfills the requirements for habilitation.

Research activity

Dr. Tsvetoslav Georgiev received his PhD degree in 2018 after successfully defending her dissertation on the topic: "Clinical, serologic, and imaging studies in patients with gonarthrosis treated with various therapeutic agents ".

In this competition, the applicant presented the following scientific data – 52 scientific publications (of 57 in total):

- a monography work with a total volume of 157 pages on the topic: "Goanrthrosis" - 2019, ISBN 978-619-7168-07-5. Total **100 points**.

- Publications:

A. To cover the minimum state requirements by the Law from 2018 and the Rules of MU-Varna / 2021: **289,5 points**.

o In scientific publications, abstracted or indexed by world famous databases WOS or Scopus, 7 of them in journals with impact factor: in full text – 9, **total 9, IF=17,468**.

o In non-refereed scientific peer-reviewed journals or in published collective volumes: full text – 4, totally **4**.

o Chapter in a collective monograph - 0.

B. Articles in non-refereed journals with scientific review beyond the required minimum state requirements – 104, total **204 points**.

- Publications and presentations at scientific meetings participating in previous contests which are not reviewed - 5. Overall **IF=2,2**.

- Participation in international scientific events – 9, national and regional scientific events - 19.

Number of citations: As of September 11, 2021, Dr. Georgiev has been cited in the literature more than 200 times. A total of 10 of them are presented in this competition, all of them are in articles referred to or indexed by a world-famous database, a total of **150 points**.

Dr. Georgiev is an individual author in 5 publications, first author in 12, which is 65% of all scientific efforts. He is a second author in 5 (20%), and third and subsequent in 3 (12%) of all scientific papers.

Thus, the publication activity on this indicator he significantly exceeds the minimum state requirements of the Law for Academic Development in Republic of Bulgaria and of the Regulations of the Medical University of Varna for acquiring the academic position of Associate Professor.

Scientific achievements and contributions

Dr. Tsvetoslav Georgiev's main scientific interests are in the field of Rheumatology in 5 areas:

1. Gonarthrosis. Clinical parameters and biomarkers determining functional deficiency are analyzed. Potential risk factors are classified and a protocol for their modification is proposed. The clinical efficacy of different therapies in patients with gonarthrosis is compared. For the first time in Bulgaria, the relationship between osteoarthritis and polycystic ovary syndrome in women is studied, and as a contribution to the world science can be classified the determination of an early marker for cartilage degeneration in this subgroup of patients.

2. Biomarkers - for the first time in the world the role of cartilage oligomeric matrix protein in women with hyperandrogenicity has been sought, alone and in correlation with MRI results. For the first time in Bulgaria, the markers MMP-3, COMP and VEGF were evaluated in patients with psoriatic arthritis. An association between MMP-3 levels and cartilage degeneration has been established in patients with gonarthrosis..

3. Imaging diagnostics of the musculoskeletal system - For the first time in Bulgaria, the association between the structural changes in gonarthrosis as assessed by radiography and ultrasound and the intensity of the complaints. /Evaluation of morphological changes in the lumbosacral muscles by MRI in patients with ankylosing spondylitis, as well as the area of the paravertebral muscles in the above disease and patients with chronic low back pain.

4. Rheumatic diseases and COVID-19 - for the first time in our country, the rheumatic manifestations of patients with COVID-19 were studied. Factors for efficacy and safety of SARS-CoV-2 vaccines in patients with autoimmune inflammatory diseases are analyzed

5. Inflammatory joint diseases - the publication activity of Bulgarian authors in the field of rheumatology is studied. An attempt of pharmacoeconomic analysis of the treatment of patients with rheumatoid arthritis.

Dr. Georgiev is a member of the Bulgarian Society of Rheumatology, the Bulgarian Medical Society of Osteoporosis and Osteoarthritis, Bulgarian Physicians Union. He is a member of the EMEUNET subcommittee of the European Alliance of Rheumatology Associations. He is an editor and reviewer in a number of international and Bulgarian scientific journals, for which he has received awards from their publishers.

Educational and teaching activities:

Dr. Tsvetoslav Georgiev, as a full-time PhD student at the Department of Internal Medicine, Faculty of Medicine, MU-Sofia between 2013 and 2018, has done teaching activities, mainly among fifth-year medical students. In 2019, a contract was signed for a part-time lecturer at the Department of Propaedeutics of Internal Medicine for 180 teaching hours of AEO, of which 140 were completed. In July 2020, he was elected as a chief assistant in the First Department of Internal Medicine..

A record on the workload shows an average study employment of 152 hours in the last year with practical exercises and lectures in Bulgarian and English language medical students, as well as participation in state exams in internal medicine.

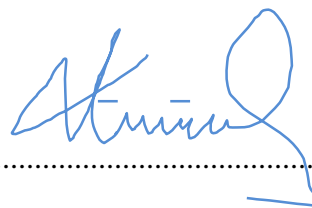
He is a co-author of 1 textbook and 1 national consensus to the Bulgarian Society of Rheumatology.

According to this indicator, Dr. Georgiev partially fulfills the required minimum according to the Law and the Regulations for Academic Development of MU-Varna.

Conclusions:

Dr. Tsvetoslav Antonov Georgiev is an established professional in the field of Rheumatology, with extensive knowledge and skills especially in the field of diagnosis and treatment of gonarthrosis and imaging in rheumatology. He has excellent professional training and proven skills. He has accumulated teaching experience, with a tendency for future development and is loved and respected by his students and colleagues. His scientific output is impressive, completely sufficient in volume, exceedc the minimum state requirements, It shows a variety of interests, publications are in different referent journals and in such with impact factor. It complies with the requirements of the Academic Staff Development Act in the Republic of Bulgaria and the Rules for the Academic Staff Development in the Medical University of Varna. This gives me reason to recommend to the honorable members of the scientific jury to vote positively for of the academic position of Associate Professor to Dr. Tsvetoslav Antonov Georgiev, PhD.

07.11.2021



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/Prof. Dr Yoto Trifonov Yotov, PhD/