



STATEMENT

by

Prof. Dr. Mario Petrov Milkov, MD, PhD

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Jury, according to an order of the Rector of Medical University – Varna, №P-109-

133/22.02.2023.

Subject:

Competition for acquiring the academic position of "Associate professor" in the Specialty „Ear-nose-throat diseases“, Professional domain 7.1. Medicine, Higher education area 7. Health care and sports – 1 place, 0.25 position for the needs of Educational sector "Ear-nose-throat diseases", Department of "Neurosurgery and ENT-diseases", Faculty of Medicine, Medical university – Varna, and 0.75 position for the needs of the ENT Department of Multiprofile hospital for active treatment "St. Anna-Varna" by a competition, announced in State Gazette, issue 102/23.12.2022.

Candidate: Dr. Galen Dimitrov Shivarov, MD, PhD.

Biography of the candidate

Dr. Galen Dimitrov Shivarov, MD, PhD was born on 22.03.1969 in the town of Dobrich, Republic of Bulgaria. In the period 1984-1987, he studied at the IIIrd Science and Mathematics High School - Varna, in a class with intensive study of German language, where he obtained his secondary education. In 1995, he graduated as a medical doctor from the Faculty of Medicine, Medical University "Prof. Dr. Paraskev Stoyanov" - Varna. In 2005, he acquired the educational and qualification degree "Master" in the specialty "Health Management" at Medical University - Varna. In the period 1997 - 2001, he was a resident in the specialty "ENT-diseases", acquiring it in 2002. In 2017, he obtained the educational and scientific degree "Doctor of Medicine", defending a PhD-thesis on the topic "Effectiveness of radiofrequency thermotherapy in hypertrophic rhinopathies", Faculty of Medicine, Medical University - Sofia.

Dr. Shivarov's desire to continuously improve his knowledge and skills in the field of Otorhinolaryngology is completely visible from the submitted references for visits of courses and lectures for additional qualification and symposia in the country and abroad.

As can be seen from the provided professional career reference, Dr. Shivarov has been working at Multiprofile hospital for active treatment "St. Anna" - Varna since 2000, having successively held the positions of ENT Resident, ENT Consultant, Head of the ENT Department, Deputy Director of Treatment issues, Executive Director, Deputy Chairman of the Board of Directors. At present, Dr. Shivarov is the head of the ENT department at Multiprofile hospital for active treatment "St. Anna" – Varna.

Dr. Galen Shivarov, MD is fluent in written and spoken German, English and Russian. He is a member of the Bulgarian National Society of Otorhinolaryngology, Head and Neck Surgery.

Teaching and scientific activities

The teaching and scientific activities of Dr. Shivarov are related to teaching and practical training of medical doctors, residents in ENT. In the period 2007 - 2022, as can be seen from the provided Certificate, with his active participation, 9 doctors were trained and successfully became specialists in Ear, nose, throat diseases.

Research activity

I personally believe that the materials Dr. Galen Shivarov, MD, PhD has submitted for participation in the competition for acquiring the academic position of "Associate Professor" fully meet and are in accordance with the requirements of the Law for the Development of the Academic Staff in Republic of Bulgaria, as well as with the Regulations for the Development of the academic staff and occupation of academic positions at Medical University - Varna. Dr. Shivarov describes that the main directions in his research work are related to the modern diagnosis of some socially significant otorhinolaryngological diseases.

To participate in the competition, Dr. Shivarov has submitted a total of 14 scientific works - 1 dissertation, 1 monographic book and 12 publications in scientific journals. 10 of the papers were published in Bulgarian, and 4 in English. Dr. Shivarov is a single author in 12 of the works, and is a co-author in 2 (first author in 1 publication, fourth author - also in 1 publication). The scientific works are divided into the following fields: otorhinolaryngology, oncology, medical scientometrics. The main areas of scientific production are: Modern diagnostics and treatment of chronic rhinopathies.; Modern diagnosis of obstructive sleep apnea and snoring in

elderly patients.; Social epidemiology of the laryngeal cancer.; Diagnosis and treatment of rare benign otorhinolaryngological diseases.

The scientific works are the following:

- Habilitation thesis: Dr. Shivarov is the author of a habilitation thesis-monographic work on the topic: "Modern Applications of Acoustic pharyngometry.", published in 2020, in English by the Publishing house of Medical University – Varna.
- PhD-thesis on the topic: "Effectiveness of radiofrequency thermotherapy in hypertrophic rhinopathies", defended in 2017 at Medical University – Sofia.
- Scientific publications – 12 in total, of which: 3 publications published in scientific journals, referenced and indexed in world databases of scientific information, and 5 publications published in non-referenced journals with scientific review or published in edited collective volumes. 4 publications, in scientific journals, beyond the minimum scientometric requirements for occupying the academic position of “Associate professor” are presented as well.

It is clearly visible that the candidate for the competition, Dr. Shivarov, owns and maintains up-to-date his scientific profiles in: ORCID, Google Scholar, Web of Science ResearcherID.

- Citations: Dr. Shivarov's publications have: 1 citation in scientific publications, referenced and indexed in world databases with scientific information or in monographic works and collective volumes; 17 citations in monographic works and peer-reviewed collective volumes; 18 citations in non-referenced peer-reviewed journals.
- A detailed list (including summaries of the presented reports) with descriptions of all of the candidate's participations in national and international scientific conferences and symposia for the period 2012-2023 - a total of 6 in number, is presented as well.

General characteristics of the publishing activity and the scientific production

The scientific contributions of Dr. Shivarov, related to the main directions of his scientific work, have diverse characteristics. The candidate for the competition describes them in a separate file, dividing them into 4 groups, according to the direction:

1. Modern diagnosis and treatment of chronic rhinopathies (benefits: the effective application of nasal endoscopy, anterior active and acoustic rhinomanometry, as well as the advantages of radiofrequency induced thermotherapy in the treatment of chronic

rhinopathies - detailed systematization in the dissertation work; an original diagnostic algorithm developed);

2. Modern diagnostics of obstructive sleep apnea and snoring in elderly patients (benefits: for the first time in Bulgaria, within the framework of a prophylactic otorhinolaryngology program, the method of acoustic pharyngometry was applied to individuals with sleep-disordered breathing);
3. Social epidemiology of the laryngeal cancer (benefits: discussion of the contemporary problems of social epidemiology of the laryngeal cancer);
4. Diagnosis and treatment of rare benign otorhinolaryngological findings (benefits: presentation of two case reports – of a successful excision of Thornwaldt's epipharyngeal cyst and a case of chondroma on the laryngeal surface of the epiglottis, obturating the entrance to the larynx and extirpation of the tumor).

Dr. Shivarov defines another group of work directions - basic characteristics of modern voice prostheses used in laryngology, ways of placement, maintenance, advantages, disadvantages, as well as the importance of the diagnostic value of the ETF-test in assessing the ability of the individual to respond to changes in ambient pressure in order to identify individuals at risk of developing middle ear barotrauma.

Dr. Shivarov also presents a Certificate of Registration of a Utility Model - A water-based pharmaceutical composition containing an aminoglycoside antibiotic and a glucocorticoid for the treatment of acute and chronic rhinitis, and two recommendations as well.

Dr. Shivarov is a member of a project team that introduced the method of acoustic pharyngometry for the first time in Bulgaria in the city of Varna.

Medical and diagnostic activity

From the presented Certificate of work experience and experience in the specialty, it can be derived that Dr. Shivarov has extensive clinical experience in the field of Ear-nose-throat diseases. At the moment, he works at Multiprofile hospital for active treatment “St. Anna-Varna” as a medical doctor, Head of the ENT Department. His total employment status consists of a total of 24 years, 10 months, and 24 days, and with a specialty in ENT – 21 years, 1 month, and 1 day - at the time of submitting the documents for the competition.

CONCLUSION

From the abovementioned, I fully believe that the candidate **Dr. Galen Dimitrov Shivarov, MD, PhD** has the teaching, research and medical-diagnostic potential and qualities for acquiring the academic position of "Associate professor".

I will vote convincingly with a "Yes" and will recommend to the members of the respected Scientific Jury to award the academic position of "Associate professor" to **Dr. Galen Dimitrov Shivarov, MD, PhD**.

10.04.2023

Varna

Signature:

/Prof. Dr. Mario Petrov Milkov, MD, PhD/

