

ATTN: THE CHAIRMAN OF THE SCIENTIFIC
JURY ANNOUNCED BY ORDER NO R-109-
133/22.02.2023
OF THE RECTOR OF THE MEDICAL
UNIVERSITY "PROF. PARASKEV STOYANOV"
OF VARNA

STANDPOINT

by

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Concerning: the competition for the academic position of 'Associate Professor' in the field of higher education No 7 Public health and sports, professional trend No 7.1 Medicine and scientific speciality of 'Otorhinolaryngology' for the needs of Department of "Neurosurgery and ENT", MU-Varna. of the Medical University 'Prof. Paraskev Stoyanov' of Varna according to the Order of the Rector, Valentin Lyubomirov Ignatov, MD, PhD, announced in State gazette No 102 / 23.12.2022

I have been elected external member of the Scientific jury in a procedure for tenure of the academic position of 'Associate Professor' in the Medical University 'Prof. Paraskev Stoyanov' of Varna and I have been assigned to prepare a standpoint concerning the competition. Galen Dimitrov Shivarov, MD, PhD, is the only candidate.

The documents submitted to me conform with the Law for development of the academic staff in the Republic of Bulgaria and the Statute-book for its application and meet the requirements of the Statute-book for the conditions and order for the acquisition of scientific degrees and for tenure of academic positions in the Medical University 'Prof. Paraskev Stoyanov' of Varna.

1. BRIEF BIOGRAPHICAL DATA

Galen Dimitrov Shivarov was born on March 22, 1969 in the town of Dobrich. He graduated from the Medical University 'Prof. Paraskev Stoyanov' of Varna in 1995. Galen Shivarov, MD, started to work as a head of Village Health District in Asparuhovo village in 1995 and then he worked as intern in the ENT Division at the Medical Centre of the town of Dalgopol, at the Fourth Diagnostic and Consulting Centre of Varna and at St. Anna Hospital of Varna. During the period 2009-2010, he is medical manager of Chaika Diagnostic and Consulting Centre of Varna, during the period 2010-2012, he is consulting physician in ENT of St. Anna Hospital of Varna, during the period 2012-2014, he is head of ENT Division, between

2014 and 2015, he is vice-director of therapeutic activity while between 2015 and 2017, he is executive director of St. Anna Hospital of Varna. During the period 2017-2023, he is head of ENT Division and vice-president of the Board of directors of the hospital. Galen Shivarov, MD, acquires the speciality of otorhinolaryngology, head and neck surgery in 2001 and that of health management in 2005. He successfully defends a PhD thesis for the acquisition of the educational and scientific degree of 'doctor of philosophy' in 2016 on the theme of 'Effectiveness of radiofrequency thermotherapy in hypertrophic rhinopathies'.

2. RESEARCH ACTIVITY

Galen Shivarov, MD, PhD, participates in the present competition with the following scientific works:

A dissertation work for the acquisition of the educational and scientific degree of 'doctor of philosophy'

One-author monograph 'Modern applications of acoustic pharyngometry'.

Twelve articles in nine Bulgarian journals as the only author in ten articles but as first and fourth author in one article each. Ten articles have been published in Bulgarian and three ones in English.

A total of six abstracts of reports delivered in four scientific forums in Bulgaria and participations with a total of four reports in three other scientific forums in Bulgaria.

Co-author of a useful model No 1845 'A pharmaceutical composition for the treatment of acute and chronic rhinitis' registered by the Patent Office of the Republic of Bulgaria.

Two articles and two abstracts by Galen Shivarov, MD, PhD, have been cited a total of 18 times by Bulgarian authors in a total of seven journals.

Galen Shivarov, MD, PhD, is head of the project for the application of the method of acoustic pharyngometry introduced as a part of screening examinations for sleep disorders in Varna for the first time in Bulgaria and implemented within the Municipality programmes for 'Sleep Apnea Prevention' in 2015, 2016, and 2017.

3. GENERAL CHARACTERISTICS AND CONTRIBUTIONS OF THE SCIENTIFIC PUBLICATIONS

The research activity of Galen Shivarov, MD, PhD, is the fruit of his intensive therapeutic and diagnostic work as recognized otorhinolaryngologist.

His scientific works are distributed into three main fields:

1. otorhinolaryngology
2. oncology
3. medical scientometrics.

The main directions of his research work are related to the contemporary diagnosis and treatment of several socially significant otorhinolaryngological diseases in adults and children: chronic rhinopathies and some rare benign diseases, to the modern diagnosis of obstructive sleep apnea and snoring in adult patients and to the social epidemiology of laryngeal cancer.

The effective application of nasal endoscopy, active anterior rhinomanometry and acoustic rhinometry during the diagnosis of the chronic hypertrophic rhinopathies and the advantages of the radiofrequency-induced thermotherapy in these diseases are comprehensively

analyzed in the dissertation work. An original diagnostic and therapeutic algorithm for the patients with these diseases is elaborated.

In one review article, the novelties of the modern diagnosis with molecular biomarkers and genetic examinations of the allergic rhinitis in children and adults are presented.

I would like particularly to outline the introduction of the method of acoustic pharyngometry among the persons with sleep-disordered breathing in the course of a prophylactic otorhinolaryngological programme in the city of Varna. This non-invasive method is successfully made use of not only for obstructive sleep apnea and snoring screening among adults and children but also for the timely conservative or surgical treatment of the serious structural alterations in the area of the pharynx which cause these pathological conditions. The method of acoustic pharyngometry possesses several main advantages: realization of a tridimensional functional and morphological assessment of the oral and pharyngeal cavity, non-invasiveness, reproducibility, speed, economy, and opportunity for a dynamic evaluation of the records during short time intervals.

Laryngeal cancer incidence and mortality rates are studied during the period between 2013 and 2015 in six regions of North-Eastern Bulgaria. A tendency towards a slight improvement of these parameters in 2015 is established. One review article is devoted to the laryngeal cancer incidence and mortality rates in different countries as well as to patients' survival rates. The diagnosis of the laryngeal cancer is the object of two original problem-oriented scientometric articles in which the dynamics of the international scientific communications and of the institutionalization of research on these issues is analyzed.

Several interesting case reports represent an undoubted scientific contribution. Thornwaldt's epipharyngeal cyst in one 29-year old male patient is diagnosed by means of nasopharyngoscopy, magnetic resonance imaging, computed axial tomography, and histological examination whereupon it is excised under general intubation anaesthesia.

The chondroma on the laryngeal surface of the epiglottis that obturates the entrance of the larynx in a 69-year-old male patient is diagnosed through computed axial tomography and intraoperative biopsy (gefrier) and extirpated following the tracheostomy under general intubation anaesthesia.

The theoretical and applied contributions of the scientific works of Galen Shivarov, MD, PhD, are within several thematic fields: apparatus screening diagnosis of sleep-disordered breathing, radiofrequency-induced thermotherapy, epidemiology and medical scientometrics of the laryngeal cancer, and casuistry.

4. TEACHING, LECTURER'S AND PUBLIC ACTIVITY

Galen Shivarov, MD, PhD, participates in the education and practical preparation of nine post-graduate physicians in otorhinolaryngology in 2007-2022 who have acquired the speciality during this period.

He is regular member of the Bulgarian National Society of Otorhinolaryngology, Head and Neck Surgery.

CONCLUSION

The professional qualification, research, teaching and lecturer's activity of Galen Dimitrov Shivarov, MD, PhD, completely meet the requirements of the Statute-book for the conditions and order for the acquisition of scientific degrees and for tenure of the academic position of 'Associate Professor' in the Medical University 'Prof. Paraskev Stoyanov' of Varna. His publications submitted for participation in the competition conform with the quantitative criteria for tenure of this position in the Medical University 'Prof. Paraskev Stoyanov' of Varna.

I would like to declare with conviction that I shall vote positively for the election of Galen Dimitrov Shivarov, MD, PhD, for tenure of the academic position of 'Associate Professor' in the scientific speciality of '**Otorhinolaryngology**' in the Medical University 'Prof. Paraskev Stoyanov' of Varna for the needs of Department of "Neurosurgery and ENT", MU-Varna.

City of Pleven
April 5, 2023

Assoc. Prof. Valkov, MD, PhD

