



For the Scientific Jury,
determined by Order
№ RD-113 / 18.04.2022
of the Rector of
University "Prof. Dr. Asen Zlatarov" - Burgas

I present on Dear jury review, concerning competition for borrowing on academic Position "**Associate Professor**" on scientific specialty "Otorhinolaryngology" with code: 03.01.35 from the professional field "7.1. Medicine", gazetted in issue number 22 of Official Gazette from 18-Mar-2022, is the only candidate: **Dr. Daniel Petkov Petkov , MD**, Faculty of Medicine at the **University "Prof. Dr. Asen Zlatarov "** - Burgas

REVIEW

OF PROF. DR. DILYANA VICHEVA VICHEVA
scientific specialty: Otorhinolaryngology

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1. Analysis on personal profile of the candidate:

Dr. Daniel Petkov Petkov is born in 1963. He graduated in medicine in Varna in 1989. He started working as an otolaryngologist at the Regional Hospital - Tutrakan. Since 1991 he has been working as an intern in ENT diseases at the ENT department at the former Regional Hospital - Burgas. In 1994 he acquired a degree in ENT diseases. Since 2006 he has been the head of the ENT department at the University Hospital - Burgas. Since the beginning of 2018, he has been a part-time assistant in the ENT section at the Faculty of Public Health at the University "Prof. Dr. Asen Zlatarov" - Burgas.

He is a member of the Bulgarian Medical Union (BMU), Bulgarian national society of otorhinolaryngology, head and neck surgery, permanent secretary of the Association of Otorhinolaryngologists in Southeastern Bulgaria from 2015 until now. Fluent in written and spoken English.

Dr. Daniel Petkov Petkov has shown a strong affinity for research work for years. In 2021 he obtained the educational and scientific degree of "Doctor of Medicine". His dissertation is entitled: **"The role of sleep endoscopy in the diagnosis and treatment of sleep apnea."**

In recent years, the importance of sleep apnea as a socially significant disease is growing. More and more scientific publications and developments on the subject are paying attention to this problem. However, there are no precise criteria for the location of obstruction in the upper respiratory tract. This determines the great importance of sleep endoscopy in order to improve the diagnosis and choice of therapeutic approach.

In our scientific literature, very few authors have published on this topic. In the study special attention is paid to the etiology, clinical course, predisposing factors for the occurrence of the disease. Special attention is also paid to endoscopic diagnosis.

The method for diagnosing the site of obstruction in sleep apnea described in the dissertation is extremely valuable and fills a gap in the national specialized literature. The author shares his experience in a complex diagnostic approach to sleep apnea in order to refine surgical treatment.

I am especially impressed by the possibilities of sleep endoscopy, which allows for a much more accurate determination of the location of obstruction leading to apnea attacks.

A valuable contribution of the dissertation is the development of criteria for determining the group of patients suitable for possible surgical intervention.

Endoscopic diagnosis specifies the level and degree of upper airway obstruction in patients with sleep apnea. At the same time, his operative clinical activity is extremely rich,

as Dr. Petkov works with intelligence and practical dexterity and strives to introduce new otorhinolaryngological techniques in Bulgaria.

Dr. Petkov, MD masters a number of innovative diagnostic-therapeutic and operative methods, important for his daily clinical activity, especially in the area of otosurgery, rhinosurgery, surgical treatment of sleep apnea and methods for treating diseases of the lacrimal apparatus.

The candidate has aspirations to work in the field of Ear-nose-throat diseases as a university scientific discipline and holds theoretical and practical skills for the development of modern research activity in area of otorhinolaryngology.

2. General description of the presented materials: The documents of Dr. Daniel Petkov, MD are well organized and contain sufficient evidence for his scientific research activity.

3. Evaluation on scientific works for the whole academically development on the candidate:

a) General evaluation on scientific products and the publication activity:

For 32 years he has worked hard in the field of otorhinolaryngology Dissertation: 1 issue with 4 publications related to the dissertation; Monographs : 1 issue with two reviewer, Scientific publications in magazines - 16, of which 12 participated in the competition ; Bulgarian quotes - 18.

His publications are in various Bulgarian and international magazines.

The review of Dr. Petkov's scientific work shows that he shows exceptional depth and objective analysis in conducting research.

b) Spread and application on scientific and practical achievements on the candidate among the scientific community:

Dr. Daniel Petkov, MD has many contributions in Bulgarian otorhinolaryngology. I highly appreciate the diagnostic significance of sleep endoscopy described by him, the

importance of the Malampati and Friedman index, which have not been published so far in our scientific literature.

The candidate has printed the following monograph: *"Treatment of sleep apnea through the eyes of an otolaryngologist"* (Monograph, 2022, Monograph, p. 156, ISBN 978-954-8726-16-0), which is extremely important reading for every specialist in Bulgaria dealing with the treatment of sleep apnea. Surgical treatment methods for both children and adults are described in great detail. The author has also shared his extensive clinical experience in this field. Not a small number of publications are related to laser dacryocystorhinostomy. Experience with this innovative operational method is shared in great detail.

c) Scientific authority:

Dr. Daniel Petkov, MD is lecturer on scientific forums. His lectures are supported by rich visual material borrowed from world scientific achievements in otorhinolaryngology. The candidate there is emphasized clinical focus; doctor loving the new high-tech achievements, which immediately introduces them to his clinical practice; a respected and esteemed colleague who is ready immediately and devotedly to engage in severe clinical cases and pass on its knowledge to young laryngologists.

4. Complex quality evaluation on teaching and methodological and teaching activity, scientifically guide of students doctoral students and trainees.

Dr. Daniel Petkov, MD teaches by giving very high quality practical and theoretical preparation. He teaches lectures and exercises at the University "Prof. Dr. Asen Zlatarov" - Burgas has the necessary training and teaching workload, activity and constantly striving to improve the quality of the study work, right and educational lectures by national media.

The candidate meets normative and there is required educational workload.

5. General evaluation for compliance on the candidate on attitude mandatory conditions quantitative criteria and scientific-metric indicators according to

Regulations for device and activities of the University "Prof. Dr. Asen Zlatarov - Burgas .

Dr. Daniel Petkov, MD is a modern-minded scientist due to his participation in many courses, specializations and conferences; implements new methods and development in area on otorhinolaryngology; continuously se cultivation practices. The candidate applies with the required number of publications and his overall assessment meets on requirements of the University "Prof. Dr. Asen Zlatarov " - Burgas.

CONCLUSION:

Dr. Daniel Petkov Petkov, MD is an innovative Bulgarian scientist with a rich scientific and clinical practice, which completely meets on specified scientific-metric criteria from national requirements of the Act and the Regulations under the Law on Development of Academic Staff in Republic of Bulgaria and Regulations of the University "Prof. Dr. Asen Zlatarov - Burgas for borrowing on academic position "ASSOCIATE PROFESSOR", which is why I most cordially offer the members of the respected scientific jury to give their **positive vote** and be awarded the academic position "ASSOCIATE PROFESSOR".

01.06.2022

Signature:

(Prof. I .VA)