

To
The Chairman of the Scientific Jury,
determined by Order No. RD 249/15.09.2022
of the Rector of the University "Prof. Dr. Asen Zlatarov" – Burgas

REVIEW

By

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In regard to:

The academic contest for the academic position Associate Professor, announced in the field of higher education 7. Health care and sports, professional direction 7.1. Medicine, in the scientific specialty "Urology", in the Official Gazette, no. 45/17.06.2022 at "Prof. Dr. Asen Zlatarov" University - Burgas.

One candidate was admitted to participate in the competition for the academic position "Associate Professor" - Dr. Nikolay Radoslavov Mirinchev, MD.

Pursuant to Order No. RD 249/15.09.2022 of the Rector of the University "Prof. Dr. Asen Zlatarov" - the city of Burgas and according to the first meeting of the Scientific Jury, I have been assigned to prepare a review in the competition for the academic position of "ASSISTANT PROFESSOR" in the Scientific specialty "Urology".

I received from Dr. Nikolay Mirinchev, MD a complete set of documents and all the materials necessary for the preparation of this opinion.

Dear members of the Scientific Jury,

This review was prepared in accordance with the Law on the Development of the Academic Staff (LAD), the Regulations for the Application of the LAD and the Regulations for the Terms and Conditions for Acquiring Scientific Degrees and Holding Academic Positions at the University "Prof. Dr. Asen Zlatarov" - Burgas.

Autobiographical data and professional path Dr. Nikolay Mirinchev, MD. was born on 15.06.1966.

He finished his secondary education at the English Language High School, Burgas in 1985.

He graduated as a Master of Medicine in 1993 at the Medical University "Prof. Dr. Paraskev Stoyanov" Varna

In 1998, he acquired a specialty in "Urology" at the Medical University of Sofia, Sofia

He acquired a master degree in "Health Management" in 2009 at "Prof. Dr. Asen Zlatarov" University – Burgas.

Since 2018, he has been enrolled as a doctoral student of independent training in the Department of Urology at the Faculty of Medicine of the Medical University - Sofia. On 11.03.2022, he successfully defended his doctoral thesis on the topic "Prostate biopsy, modern methods and challenges" and was awarded the scientific and educational degree "DOCTOR" at Medical University - Sofia.

Dr. Mirinchev's professional career began in December 1993 as he worked as a urologist in the Department of Urology, UMHAT Burgas. Since 1999, he has been working as a urologist and on a second employment contract at the NHS - Burgas. From December 2003 to July 2014, he was a senior physician, and from August 2014 to the present, he has been the Head of the Urology Department at the hospital. Since March 2021, he is a part-time teacher at "Prof. Dr. Asen Zlatarov" University.

Dr. Nikolay Mirinchev is a member of the Bulgarian Medical Doctor Union, the Bulgarian Urological Society, the European Association of Urology, the International Continence Society.

Scientific activity and scientometric indicators:

The publication activity of Dr. Nikolay Mirinchev is in accordance with the field of higher education, the professional direction and the scientific specialty according to the announced competition.

In the current academic contest, Dr. Nikolay Mirinchev participates with 13 scientific works, of which:

- 1 monographic work,
- 1 published book based on a dissertation work for achieving the educational and scientific degree "doctor",

- 1 scientific publication, refereed and indexed in world-famous databases with scientific information (Scopus; Web of Science),
- 10 publications in non-refereed peer-reviewed journals.

• Attached is a reference for 17 citations, of which 1 is in a scientific publication, referenced and indexed in world-famous databases with scientific information

- 16 in non-refereed peer-reviewed journals.

The research activity of Dr. Nikolay Mirinchev is focused in the following main directions:

Endoscopic treatment of diseases of the upper urinary tract.

The Monograph on the topic: "Ureteroscopy and retrograde intrarenal surgery" ISBN: 978-619-7353-54-9, 2022. and publications [3] and [8] from the list of publications for participation in the current academic contest.

The monograph examines in sequence:

1. The pathophysiological changes after unilateral and bilateral obstruction of the upper urinary tract.
2. Endoscopic equipment, sterilization and care for it, radiation safety during diagnosis and treatment of the patient.
3. Ureteroscopy and retrograde intrarenal surgery - basic techniques, difficulties in conducting them and safety measures.
4. Treatment of calculi in the kidneys and ureters - basic techniques of implementation, additional tools and consumables required, iatrogenic complications in their implementation and ways to avoid them.
5. Interesting cases from our clinical practice.

Diagnosis and treatment of prostate diseases: (2,4,9,10,11,12,13)

Endoscopic treatment of urolithiasis: (1,3,8)

Urological emergencies: (5,7)

Erectile Dysfunction treatment: (6)

Contributions in scientific and applicatory character:

1. For the first time in the country, a prospective study was conducted on the topic of prostate biopsy when proving prostate cancer
2. The criteria for an initial biopsy were clearly stated
3. A clinical decision-making algorithm for primary and secondary biopsy was indicated
4. The biopsy technique was described in great detail, which is extremely important for the histopathological diagnosis
5. The results of the performed biopsy were described and analysed in the context of clinical parameters (PSA, prostate volume, rectal palpation findings)
6. For the first time, patients after MRI fusion biopsy were also included in the study (based on material from the Clinic of Urology at UMHAT Aleksnadrovska)
7. An in-depth review of the literature was made, highlighting the role of Bulgarian authors
8. The dissertation paper, besides being scientific, has a practical focus and could serve as a guide for performing a biopsy of the prostate gland
9. Introduction into urological practice of software for 3D processing of DICOM files to predict the duration of laser lithotripsy for calculi with different 3D configuration and to show the application of 3D reconstructions

Scientific projects:

From the attached reference it is evident that Dr. Mirinchev has participated in a scientific project - Medical training of residents and specialists in Urology on the topic: "Management of non-neurogenic symptoms of the lower urinary tract in men, including benign prostatic obstruction", in four diagnostic modules.

Dr. Mirinchev conducts training in the following disciplines:

- discipline "Urology" in the 4th semester of the students of the specialty "Medical Doctor Assistant" for the academic year 2021/2022.
- discipline "Internal Diseases" in the specialty "Rehabilitator" during the academic year 2020/2021.
- under the guidance of Dr. Mirinchev, two specialists have acquired a specialty and one is currently in training.

Conclusion

The data presented by Dr. Nikolay Radoslavov Mirinchev for his scientific research activities, along with his experience as a teacher of students and leading the specialization of urologists, as well as from the accumulated clinical and organizational experience as the head of the Department of Urology at UMHAT Burgas demonstrate a constant aspiration towards scientific and professional development and improvement.

Dr. Mirinchev's contribution in the field of prostate cancer diagnosis and intrarenal surgery is expressed in the development of two useful teaching aids for both students and interns, in which it should be noted as a merit that he was invested and shared very personal clinical experience, which enhances the value of the works with the guidance they provide for everyday urological practice.

In view of the facts thus stated, I consider that Dr. Nikolay Radoslavov Mirinchev meets the requirements of the Law for the Development of the Academic Staff in the Republic of Bulgaria, the Regulations for its application and the Regulations for the terms and conditions for acquiring scientific degrees and holding academic positions at the University "Prof. Dr. Asen Zlatarov" - Burgas for the academic position of "Associate Professor".

All the merits I mentioned, his reputation as a conscientious and experienced urologist give me full grounds for a positive assessment and I recommend the respected members of the Scientific Jury to vote positively for the candidacy of Dr. Nikolay Radoslavov Mirinchev, MD. to occupy the academic position "Associate Professor".

10.11.2022

Sofia

Review

/Prof. d-r M

v, MD/