



To
The chairman of the scientific jury,
by Order № P -380 / 15.03.2022
of the Rector of the Medical University - Plovdiv
15A V. Aprilov Blvd.
4002 Plovdiv

On your Protocol №1 / from 18.03.2022

copy of the first

Attached are : REVIEW

in a competition for the academic position of "Associate Professor"

in scientific specialty: Urology

announced for the needs of MU-Plovdiv, Department of Urology and General Medicine
in SG, no. 111 / 31.12.2021

From : Prof. Dr. Marincho Ivanov Georgiev, PhD.
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REVIEW

from

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According to a competition for the academic position of "Associate Professor" in the field of higher education 7. Health and sports in the professional field 7.1 Medicine and scientific specialty "Urology" for the needs of the Department of Urology and General Medicine of the Medical University of Plovdiv, published in the State Gazette 111/31 December 2021.

The review was prepared in accordance with the Law on the Development of Academic Staff in the Republic of Bulgaria, the Regulations for its implementation, the Regulations for Academic Development at the Medical University of Plovdiv, Order № P-380 of 15.03.2022 of the Rector of MU-Plovdiv for appointing a Scientific Jury and after of the meeting - Protocol - 1/18. March 2022

Only one candidate, Dr. Petar Antonov Antonov , MD, participated in the competition and was admitted by the admissibility commission .

1. Biographical data and career profile of the candidate.

Dr. Petar Antonov was born in 1980 in Plovdiv. He graduated with honors from the Medical University of Plovdiv in 2006 and has 15 years of experience as a doctor. He has worked consecutively at the Center of Emergency Medicine in Plovdiv (2006-2008), MHAT Karlovo - Surgical Department (2008-2013), University Hospital "St. Georgi "in Plovdiv (2010 and present) and St. George Medical Center in Plovdiv (2014 and present). His work in the operating clinic of a large university hospital gives him the opportunity for extensive practical training in the field of urology, as well as the opportunity for research in all aspects of our specialty. His academic

career began in 2015 as an Assistant Professor of Urology at the Medical University of Plovdiv , and since 2017 he has continued as a Chief Assistant at the same university.

Specialization in urology began in 2008 and ended in 2013. In parallel, he completed a master's degree in Public Health and Health Management at MU - Plovdiv (2011-2013). He is a full-time doctoral student from 2013 to 2016, and in 2017 he defended his dissertation on "Genital tumors in men - casuistry and diversity" for the acquisition of degree "Doctor" in the scientific specialty "Urology".

Dr. Antonov speaks English, which gives him the opportunity to conduct numerous courses and additional qualifications in a number of countries around the world - Japan, Germany, Spain, the Netherlands, Denmark, Greece and Romania. In Bulgaria he has also participated in numerous postgraduate courses in laparoscopic urology, endourology , abdominal ultrasound and others.

The candidate is a member of the European Urological Association, the Bulgarian Urological Society and the Union of Scientists in Bulgaria. He is a member of the editorial boards of two magazines.

2. General description of the materials submitted in the competition.

The presented documents are systematically and correctly arranged and presented in accordance with the requirements of laws and regulations. Presented are: autobiography, dissertation abstract, habilitation thesis (*monograph*) , administrative documents (*copies of diplomas, certificates of work experience and academic positions, study workload, attestation sheet of the Commission for Attestation of Academic Staff at MU - Plovdiv*), lists of publications, lists of citations, documents proving participation in scientific and educational projects, documents proving participation in exams, management of trainees and memberships in editorial boards and international organizations.

3. Scientific production.

Dr. Petar Antonov, MD presented: abstract of a dissertation - 1, independent monograph - 1, a list of 62 full-text publications and a list of 14 citations.

The tabular presentation of the quantitative indicators is as follows:

Author's place	dissertation	Publications in peer-reviewed journals and with IF	monograph	Publications in unrefereed journals	total
1. Only one author	1	1	1	17	20
2. First author	-	4	-	7	11
3. Second author	-	5	-	13	18
4. Third and next author	-	2	-	13	15
Total	1	12	1	50	64

The analysis of the data shows a high share of publications in which he is independent or as a first author - 33 publications (51.56%).

From the presented works according to the Regulations for academic development in MU Plovdiv, I acknowledge - **42** publications. Of which: **1 abstract** of dissertation, **1 monograph**, **10** publications in peer- **reviewed journals** (Scopus / Web of Science), **30** publications in non-peer- **reviewed journals**. The candidate has indicated which of the publications have been used in previous procedures (*for degree "Doctor" and for Academic position "Chief Assistant"*), which shows correctness and facilitates reviewing. In addition, the peer-reviewed publications do not include data and information from his dissertation.

Dr. Antonov is the author of a monograph - Priapism , published in 2022. It addresses a clinical issue that has not been frequently discussed in the scientific literature in recent years due to the low incidence of the disease. At the same time, the effects of the disease can be devastating. The monograph gives a detailed description of the disease priapism , in-depth analysis of the causes leading to it and approaches to treatment. As a reviewer of the monograph itself, I am of the opinion that the publication of this work, which presents personal experience and own results, will be useful with its rich photographic and textual material, both among doctors specializing in urology and among other medical professionals.

According to the evidence of the citations, Dr. Antonov has **7 citations** in journals referenced and indexed in Scopus / Web of Science and **6 citations** in non-refereed journals. He is a reviewer of 3 articles.

With this scientific production Dr. Petar Antonov, MD fully covers the mandatory quantitative scientometric requirements in the Regulations for Academic Development at MU - Plovdiv, Art. 107, item 4 described in Appendix 1, Section II " Scientometric indicators for MU- Plovdiv for units with clinical-diagnostic activity " , Table 2.

Academic position - Associate Professor	Requirements for medical and clinical disciplines at the Medical University of Plovdiv	Dr. Petar Antonov
Total number of publications	15	40
- In refereed journals	10	10
- In unrefereed journals	5	30
Monograph	1	1
Positive citations	7 in referenced	13 7 in referenced

Dr. Petar Antonov, MD is a participant in **3 national research and educational projects** , as well as in **3 international projects** .

As an additional value to his participation in the competition are **his annual participation in conferences** and symposiums at home and abroad, for some of which I have personal impressions in my capacity as Chairman of the Bulgarian Urological Society.

According to the National Minimum Requirements for Occupying the Academic Position of Associate Professor in Professional Field 7.1 Medicine, in which field the competition is held, Dr. Antonov, MD fully meets the minimum requirements for holding AD Associate Professor at MU- Plovdiv:

Group of indicators	content	Minimum requirements for "Associate Professor"	Specific requirements for MU-Plovdiv	Evidence presented	points	% of performance
I	Indicator 1	50	50	dissertation	50	<u>100%</u>
	Indicators 3 and 4	100 monograph	100 monograph	Monograph ISBN 978-619-189-188-7	100	<u>100%</u>
III	Sum of indicators from 5-9	200	200 15 articles; 10- referee 3 of them with IF	With IF - 3 Referr- 10 Unrefer - 30	846.57	<u>423.29%</u>
IV	Sum of indicators 10-12	50	110 7 citations in references	7 in the referee 6 in unrefereed 3 reviews	160	<u>145.45%</u>
V	Sum of indicators 13-22	-	60 1 project specialty	3 nat . projects 3 internat. projects Specialty specialist training	190	<u>316.67%</u>
VI		-	100 for teaching work 200 for acad position	269 for teaching work 400 for acad Position	669	<u>223%</u>

5. Qualitative analysis of the works of Dr. Petar Antonov, MD

Of the total number of scientific papers, **14** deal with the problem of **prostate cancer**, **4** are devoted to **benign prostatic hyperplasia**, **uroolithiasis** has been discussed in **7** publications, **inflammatory diseases** in **5**, **male genital tumors** in **12**, **urogynecology** in **8** of them, **tumors of kidney and bladder** in **6**, **andrological problems** are in **5**, and publications on **other urological topics** are **4**.

Contributions of an original nature to the multitude, which are distributed by subject, include:

Prostate cancer - Comparative study of epidemiology in two European countries - Bulgaria and Germany; assessment of the diagnostic value of ERG in prostate biopsies with minimal foci

of cancer cells; critical and in-depth analysis of trends in uropathology in the largest hospital in Bulgaria - University Hospital "St. George" Plovdiv; described clinical case with metastatic catarrhal-resistant prostate cancer with a survival of more than 8 years; validation of elastography and its ability to detect malignant from non-malignant prostate lesions.

Benign prostatic hyperplasia - the effect of Covid-19 on lower urinary tract symptoms in patients treated conservatively for BPH; analysis of early postoperative removal of the urethral catheter.

Urolithiasis - Efficiency and safety of the flexible brand ureteroscope .

Urological infections - assessment of the local etiological structure of patients with chronic bacterial prostatitis (NIH TYPE III) in Plovdiv; treatment results in patients with Fournier 's disease are presented .

Tumors of the male reproductive system - For the first time in Bulgaria a retrospective study was conducted for a 20-year period at a university clinic of urology regarding the rare tumor pathology of the male reproductive system .; For the first time in Bulgaria a voluminous collection of reference casuistic and rare cases of male genital tumors has been built, which enriches the information about their features; For the first time in our country an analysis of clinical signs, morphological characteristics, surgical approach and prognosis of rare histological types of genital tumors was performed. Evaluation of prognostic factors for the detection of occult metastases in patients with squamous cell carcinoma of the penis.

Andrology - for the first time in Bulgaria a description was made for a 20-year period of the etiology and treatment of patients with priapism (before the defended dissertation on the topic of Dr. Zaimov).

Urogynecology - a retrospective analysis of the causes, treatment and results for a 15-year period of vesico-vaginal fistulas; casuistically rare cases of thrombosis have been reported hemangiomas of the female urethra and paraurethral cysts of the Skine gland .

Renal cell carcinoma - the influence of tumor-associated symptoms on the prognosis in patients with renal cell carcinoma was analyzed; spontaneous rupture of renal cell carcinoma has been described ; for the first time in Bulgaria the application of the institute is described fluorescent hybridization (FISH) and immunohistochemistry in unclassifiable renal cell carcinomas.

6. Teaching activities.

Dr. Petar Antonov, MD has been participating in the teaching of the discipline "Urology" to medical students both in Bulgarian and in English at the Medical University of Plovdiv since 2015. Participates in the training of trainee doctors and urology specialists. The total classroom employment of Dr. Petar Antonov, MD from lectures and exercises, and participation in exams for the last 3 years is as follows: 2018/19 - 425.6 hours; 2019/20 -566 hours; 2020/21 - 754.4

hours, which cover and exceed the required in MU-Plovdiv (*certified copies of the workload are presented*). Participates in the commission for the State Examination of Surgical Diseases, examinations for doctoral minimum, examinations for assistants and management of a specialist in urology.

The candidate also presents evidence of co-authorship in an article with medical students, as well as scientific mentoring of students in an international student conference. This shows that the performance of his teaching duties is not limited to conducting lectures and exercises, and he is aware of the desire and desire to transfer knowledge and skills to younger colleagues.

The Attestation Sheet of the Attestation Commission of MU-Plovdiv for the last 3-year attestation period of the candidate (from 2017 to 2019 inclusive) is presented in the competition documents, in which he meets the criteria for **Very Good** Assessment (*which is the highest*). This is in support of the long-term responsible commitment of Dr. Antonov in scientific, educational and administrative activities.

7. Critical remarks and recommendations.

The documentation provided for the competition is complete, correct and meets the procedural requirements. This once again shows the high awareness and responsibility of Dr. Antonov to the academic community and the members of the Scientific Jury.

8. Conclusion

Dr. Petar Antonov Antonov , MD is a well-built and worthy urologist, scientist and lecturer. I believe that his ambition, responsibility and potential as such will continue in the future. This will benefit both urology as a clinical and scientific specialty, but also its patients, students, PhD students and postgraduates.

The analysis of all administratively required documentation based on the attached works, their quantitative and qualitative analysis as scientific production and their compliance with the requirements of the mandatory conditions and quantitative criteria in ZRASRB and the Rules for its implementation, as well as specific requirements in the Rules for Academic Development – Plovdiv, gives me a reason to vote **positively**. In addition, I would like to suggest to the members of the esteemed Scientific Jury, as well as to the members of the Faculty Council of the Ministry of Finance of MU Plovdiv, the only candidate Dr. Petar Antonov Antonov , MD , presented the necessary documentation for the competition to be elected "Associate Professor "In the professional field 7.1 Medicine and scientific specialty " Urology " for the needs of the Department of Urology and General Medicine at the Medical University of Plovdiv.

09/04/2022

Sofia

Reviewer:

(Prof. M. Georgiev, MD, PhD)

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