

МЕДИЦИНСКИ УНИВЕРСИТЕТ
ПЛОВДИВ
Вх. № Р.У925 / 31.05.2023 г.

To
The chairman of the scientific jury,
determined by Order No. R - R-1186/05.05.2023.
of the Rector of the Medical University - Plovdiv
15A V. Aprilov Blvd
4002 Plovdiv

Attached : Review

by competition for an academic position ASSOCIATE PROFESSOR
in scientific specialty UROLOGY
announced for the needs of MU-Plovdiv, Department of UROLOGY AND GENERAL
MEDICINE in State Gazette No. 15 / 14.02.2023

Reviewer: Petar Antonov, MD., Ph.D
Scientific specialty UROLOGY
Institution: Medical University of Plovdiv

Address and contacts:
Postal address: Plovdiv, 4002

Bul. V. April 15

Department of Urology and General Medicine

MU- Plovdiv

Email at [redacted] bg

Phone: ([redacted])
Заличено на основание
Чл.5 §1, б. "В" Регламент (ЕС)2016/679

REVIEW

from

Assoc. Prof Petar Antonov Antonov, MD, PhD

Department of Urology and General Medicine, Medical University of Plovdiv,

Regarding the competition for the academic position "Associate Professor" in the field of higher education 7. Health care and sports by professional direction 7.1 Medicine and scientific specialty "Urology" for the needs of the Department of Urology and General Medicine of the Medical University of Plovdiv, announced in the State Gazette issue 15/14.02 2023.

The review was prepared in accordance with the Law on the Development of the Academic Staff in the Republic of Bulgaria, the Regulations for its Application, the Regulations for Academic Development at Plovdiv Medical University, Order No. P-1186 /05.05.2023 of the Rector of MU-Plovdiv for the appointment of a Scientific Jury and after an absent meeting of the latter - Protocol 1.

Only one candidate participated in the competition and was admitted by the eligibility committee, Dr. Mladen Ilianov Doikov, MD. The documents and evidence provided to me are correct and according to applicable national and university regulations.

1. Biographical data and career profile of the candidate.

Dr. Mladen Doikov, MD, was born in 1990. He received his secondary education in 2009 at Language High School "Plovdiv" in Plovdiv. He graduated from the Medical University of Plovdiv in 2015, after which he simultaneously started working as a doctor-resident in urology and scientific development, as a full-time PhD student in urology. His academic career began in 2017 as an Assistant in Urology at the Medical University of Plovdiv, and from 2020 he continues as a Chief Assistant at the same university.

Specialization in urology ends in 2021, and from 01.06.2021 he is a specialist in urology. In 2019, he received the degree "PhD" in the scientific specialty of the announced current competition, after a successfully defended dissertation work. He has a master's degree in "Health Management".

Dr. Doikov is fluent in English, which gives him the opportunity to conduct numerous courses and additional qualifications in a number of countries around the world - Austria, Slovenia, Italy,

Greece, the Czech Republic and Belgium. In Bulgaria, he also participated in numerous postgraduate courses in the laparoscopic urology and abdominal ultrasound.

Dr. Doikov is a member of the European Urological Association, the Bulgarian Urological Society, the World Endourological Association and the Robotic Surgery Association.

Dr. Doikov is the winner of the award for the best presentation by a young urologist at the annual symposium on urology and endourology in the city of Sandanski, Bulgaria in 2019.

In 2019, he was elected a member of the faculty council of the Faculty of Medicine at MU-Plovdiv.

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

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

3. Scientific production.

Dr. Mladen Doikov, MD, submitted: **abstract** of a dissertation work - 1, **monography** - 1, co-author in **1 chapter in a collective monography, author of 2 chapters in a university handbook, a list of 48 full-text publications** and a list of **18 citations**.

The tabular presentation of the quantitative indicators is as follows:

Author's place	dissertation	Publications in refereed journals and with IF	monograph	Publications in non-refereed journals	Chapters in handbooks	total
1. Sole author	1	1	1	22	2	20
2. First author	-	1	-	-		11
3. Second author	-	-	-	10	1	18

4. Third and subsequent author	-	10	-	4		15
All	1	12	1	36	3	53

The data analysis shows a high share of publications in which he is an sole or first author – 33 publications.

Dr. Doikov is the author of a monography - Emergency conditions in urology, published in 2021. She addresses multiple emergencies in urological practice and urgent intraoperative complications in laparoscopic and robotic-assisted urological surgery.

According to the citation evidence, Dr. Doikov has **10 citations** in journals referenced and indexed in Scopus / Web of Science and **7 citations** in non-refereed journals and **1 citation** in peer-reviewed collective volumes.

With this scientific production, Dr. Mladen Doikov, PhD, fully covers the mandatory quantitative scientometric requirements in the Regulations for Academic Development at the 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 MU Plovdiv	Dr. Mladen Doikov
Total number of articles	15	48
- In referenced	10	12
- In unreferenced	5	36
Monograph, habil. labor	1	1
Chapter in a monograph collection	-	1 chapter
Participation in a study handbook	-	2 chapters
Citations	7 in refereed	18 in total 10 in refereed 1 in monograph

Mladen Doikov, PhD, is a participant in **1 university project** on the topic: "Multiparametric MRI of patients with prostate cancer - new possibilities for staging using the PI-RADS2 system"

As an additional value to his participation in the competition are **his annual participations in conferences** and symposiums in our country and abroad, most of which I have personal impressions of high scientific and practical value.

According to the National minimum requirements for occupying the academic position "Associate Professor" in professional direction 7.1 Medicine, in which direction the competition is being held, Dr. Doikov, MD fully meets the set minimum requirements for occupying the Academic Position "Associate Professor" at MU-Plovdiv:

A group of metrics	content	Minimum Requirements for "Assistant Professor"	Specific requirements for MU-Plovdiv	Evidence presented	points
1	Indicator 1	50	50	abstract	50
2	Indicator 3 and 4	100 monograph	100 monograph	Monograph ISBN 978-619—7205-25-1	100
3	Sum of indicators from 5-9	200	200 15 articles; 10- referee Of them 3 with IF	Referred – 12, of them 7 IF Non-referee - 36	1152.6
4	Sum of indicators 10-12	50	110 7 citations in refereed	10 in ref 7 in unref 1 collective volume	1 95
5	Sum of indicators 13-22	-	60 1 project specialty	1 project Specialty Training 2 chapters in 1 university textbook	87.8
6		-	100 per study load	245 per load 300 for Acad Position	545

			200 for Acad post		
				TOTAL	2130.4

5. Qualitative analysis of the works of Dr. Mladen Doikov, MD

From the total number of scientific works, **uroolithiasis** is considered in **9** publications, **andrological problems** are in **7** publications, **inflammatory diseases** in **6**, **4** consider the problem of **carcinoma of the prostate** gland, **3** are devoted to **benign prostatic hyperplasia**, **male genital tumors** in **1**, **urogynecology** in **2** of them, **kidney and bladder tumors** in **3**, **modern diagnostics** – **7**, and publications from **other topics** are **8**.

Contributions related to the dissertation

1. Contributions of original character

For the first time in our country, a prospective and monocentric study was conducted on 163 patients suffering from kidney lithiasis and treated with minimally invasive percutaneous nephrolithotomy combined with Holmium-YAG laser lithotripsy at the Urology Clinic, UMBAL "Kaspela", Plovdiv. The study is oriented to a wide range of factorial and outcome signs (66 indicators each) with a special emphasis on poorly researched facts such as: assessment of preoperative diagnostics, technical requirements for intraoperative settings of the laser technique; complications and effectiveness of this method of treatment.

2. Contributions of a confirmatory nature

The frequency, type and severity of postoperative complications according to the modified Clavien-Dindo scale after endoscopic Ho:YAG laser lithotripsy of calculi in the collecting system of the kidney were analyzed.

Contributions related to scientific developments leading to publications

1. Use of pSW-elastography of the prostate gland in clinical practice as an additional method for evaluating the clinical condition of patients with proven prostate cancer
2. Using the ultrasound elastography of a kidney as a basis for further studies related to the change in the density of the renal parenchyma in chronic kidney damage;
3. Validation of high-resolution magnetic resonance imaging of the prostate gland by PI-RADS-2 in the assessment of prostate carcinoma and organ function; showing detailed MRI anatomy of the pelvis
4. For the first time, a comparative assessment of the level of safety culture of patients hospitalized in surgical and non-surgical units of hospitals in Bulgaria was made.
5. An in-depth analysis of all factors influencing operative time, the level of residual fragments and the level of complications in patients with nephrolithiasis who underwent mini-percutaneous

nephrolithotomy combined with a one-time aspiration shaft to access the kidney was performed

6. New studies for the country in collaboration with specialists in various fields of medicine.

Scientific reflectivity, measured by citations of his scientific works, is good. Most of the publications are in the last 1 year, which in the future is expected to lead to an even greater number of citations.

6. Teaching and learning activity.

Dr. Mladen Doikov, MD, has been involved in teaching the discipline "Urology" to medical students both in Bulgarian and in English at the Medical University of Plovdiv since 2017. The total classroom employment of Dr. Doikov, from leading lectures and exercises, and participating in exams for the last 3 years is as follows: 2019/20 – 190 hours; 2020/21 -268 hours; 2021/22 – 260 hours, which cover and exceed the required at the MU-Plovdiv (*certified copies of the academic load are presented*). The candidate participates in examination committees of medical students in Bulgarian and English.

In the competition documents, the Attestation Sheet of the Attestation Commission of the MU-Plovdiv for the last 3-year attestation period of the candidate (from 2017 to 2019 inclusive) is presented, in which he meets the criteria for a **Good assessment** .

In the department, he is responsible for the "PhD students" department, where his expertise and opinion are highly valued.

Dr. Doikov participates in the education of students under the Erasmus, Erasmus+ and CEEPUS programs.

Also participates in training courses for postgraduate training of doctors and residents.

7. Critical remarks and recommendations.

The documentation provided for the competition is complete, correct and meets the procedural requirements. The arrangement is well done and facilitates the preparation of this review.

8. Conclusion

Dr. Mladen Ilianov Doikov, MD is an excellent urologist, scientist and teacher with whom I personally work in the department. 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, postdoctoral fellows and residents.

The analysis of all the administratively required documentation, based on the submitted works, their quantitative and qualitative analysis as a scientific product and their compliance with the requirements of the mandatory conditions and quantitative criteria in the Low, as well as the

specific requirements in the Regulations for Academic Development in the MU - Plovdiv, in addition to this are my personal impressions, gives me reason to vote **positively**, Dr. Mladen Ilianov Doikov, MD, to be elected for Academic Position "Associate Professor" in professional direction 7.1 Medicine and scientific specialty "Urology" for the needs of Department of Urology and General Medicine at the Medical University of Plovdiv.

Заличено на основание
Чл.5 §1, б. "В" Регламент (ЕС)2016/679

29/05/2023

Plovdiv

Reviewer:

(Assoc. Prof. P. Antonov, MD, PhD)