

REVIEW

By Prof. Iliya Dimitrov Popov, MD - Head of First internal clinic and Nephrology and hemodialysis clinic UMHAT "Prof. Dr. Stoyan Kirkovich" AD - Stara Zagora

regarding the competition to fill the academic position "Associate Professor" in the field of higher education 7. Health and sports, professional field 7.1. Medicine, scientific specialty Cardiology, for the needs of Medical Faculty, "Prof. Dr Asen Zlatarov – Burgas, declared in the Official Journal of Bulgaria, issue.

45/17.06.2022 (*day, month, year*)

The opinion is prepared in connection with proposal from the Rector of the University "Prof. Dr Asen Zlatarov – Burgas, No RD-250 from 15.09.2022, Prof. Dr. Magdalena Mitkova.

Two candidates have been admitted to the competition, announced in accordance with the accepted requirements:

- Dr. Lilyana Georgieva Mircheva, MD, head of Department of Cardiology MHAT Heart and Brain – Burgas;
- Dr. Konstantin Mihaylov Kostov, MD, cardiologist and manager of MC Medconsult – Pleven.

The competition procedure, as well as the documentation submitted by Dr. Mircheva and Dr. Kostov, are in full compliance with the regulatory framework

and scientometric requirements. After a thorough examination of the materials submitted to me in the competition, I have determined the following:

I. Academic and professional development.

Dr. Lilyana Mircheva, MD completed graduate medical education at Medical University "Paraskev Stoyanov" - Varna, diploma № 7543/2004. In 2014 Dr. Mircheva acquired a specialty in Cardiology at the Medical University - Varna, diploma № 3341/2014.

In 2014, she obtained the scientific degree "Doctor" in Medicine, scientific specialty Cardiology at the Medical University "Prof. Dr. Paraskev Stoyanov" - Varna, diploma № 254/2017.

Dr. Mircheva received highly specialized certificates: in 2004 A six-month internship under the Erasmus program at the Universität zu Köln, Germany; 2009 – Hypertension Summer School, Smolenice, Slovak Republic; 2015 - Postgraduate Heart Failure Course, Zurich Heart House, ESC; 2014 - Echocardiography Basic level; 2017 - Echocardiography – Expert level, transthoracic, transesophageal, stress echocardiography.

Her professional career Dr. Lilyana Mircheva, DM started in 2007 until 2022 as a cardiologist at Second Cardiology clinic "St. Marina", Varna. In 2022 - until now, she is the head of the Department of Cardiology, MHAT "Heart and Brain" - Burgas.

Dr. Konstantin Mihailov Kostov, MD graduated with a bachelor's degree in Physiology in 2009 at Michigan State University – United States. In 2015 completed higher medical education at the Medical University - Pleven, diploma

No. 248028 / 2015. In 2020, acquired a specialty in Cardiology at the Medical University - Pleven, diploma No. 094190 / 2020.

In 2021, he obtained the scientific degree "Doctor" in medicine, scientific specialty Cardiology at the Medical University - Pleven, diploma No. D0123 / 2021.

Dr. Konstantin Kostov received postgraduate qualifications in Non-invasive diagnostic methods in cardiology: Holter ECG; Holter AN; VET; Echocardiography.

Dr. K. Kostov began his professional activity in 2016 as a doctor-cardiologist, Second Cardiology Clinic, "Dr. Georgi Stranski" UMHAT - Pleven. From 2020 until 2022 – he is a cardiologist - University Hospital for Active Cardiology Treatment Pleven. Since 2022, Dr. Kostov is a cardiologist and manager of Medconsult Medical Center – Pleven.

II. Research Activity.

In 2017, Dr. Lilyana Mircheva, MD prepared a dissertation on "Optimizing the care of patients with heart failure after discharge".

Dr. Mircheva is the author of a total of 28 scientific works - dissertation work, 1 monograph, 26 articles for participation in the competition.

Dr. L. Mircheva has 8 publications in scientific publications, referenced and indexed in world-famous databases with scientific information (Scopus and Web of science). A total of 14 publications and reports published in non-refereed peer-reviewed journals. Dr. Mircheva participated with scientific publications in 4 collective monographs.

Dr. L. Mircheva has a total of 8 citations in scientific publications, referenced and indexed in world-famous databases with scientific information.

Dr. Mircheva has participated in a large number of scientific forums domestically and abroad, she is a member of the Bulgarian Society of Cardiology, European Society of Cardiology, ESC Heart Failure Association.

In 2021, Dr. Konstantin Kostov defended his dissertation on "Comorbidity, risk profile and biomarkers in hospitalized patients with heart failure."

Dr. Kostov is the author of 40 scientific works - dissertation work, 38 articles (36 of which for participation in the competition.)

Dr. K. Kostov has 11 publications in scientific publications, referenced and indexed in world-famous databases with scientific information (Scopus and Web of science). A total of 25 publications and reports published in non-refereed peer-reviewed journals. He provided a total of 7 citations in scientific publications, referenced and indexed in world-renowned databases with scientific information about the competition.

Dr. Kostov participates in scientific forums and projects domestically and abroad, he is a member of the Bulgarian Society of Cardiology and the Bulgarian Heart and Vascular Association.

III. Teaching Activity.

Dr. Lilyana Mircheva, MD is an established teacher who enjoys respect and authority among her students and specialists. Her teaching career began in 2013, as an assistant and in 2018, as Chief Assistant at the First Department of Internal Medicine, Department of Cardiology - MU Varna. From 2021 to 2022, Dr. L.

Mircheva holds the academic position of Associate Professor - First Department of Internal Medicine, Department of Cardiology - Varna University of Medical Sciences.

Dr. Konstantin Kostov, MD is a teacher of III and IV year students in English language at Pleven University of Medicine, Faculty of Medicine. He holds the position of assistant for the period 2016-2017 to the Department of "Cardiology, Pulmonology and Endocrinology", MU Pleven; and from 2017 – as an assistant at the Department of Propedeutics of Internal Diseases, "Second Clinic of Cardiology", UMHAT "Dr. Georgi Stranski" - MU Pleven. An academic report on the study load shows for 2016/17 – 165.6 hours; 2017/18 – 147.6 hours; 2018/19 – 135 hours; 2019/20 – 516.6 hours; 2020/21 – 579.6 hours.

IV. Evaluation of the monographic work or equivalent publications submitted for participation in the competition.

Dr. Lilyana Mircheva presents a monographic work on "Congestion and heart failure". The work consists of 168 pages and is an in-depth review of the main pathophysiological and clinical manifestations of congestion in the setting of HF. The complex heart-kidney relationship and the importance of systemic venous congestion are described in detail. Special attention is paid to modern methods of evaluation of overt and subclinical congestion. An analysis of the main medications to affect congestion is made with a focus on diuretics and the problem of diuretic resistance. Her personal experience and contribution to the fight against congestion in HF and increasing rehospitalizations has scientific research and practical-applied importance for medicine.

The data from the attached reference - declaration of Dr. Mircheva for fulfilling the requirements for participation in the competition for AD "Associate Professor" can be summarized as follows:

Group of indicators	Content	Minimum requirements	Number of points for the author
A	Indicator 1	50	50
B	Indicator 2	-	
C	Indicators 3 and 4	100	100
D	Sum of Indicators from 5 to 9	220	358,75
E	Sum of Indicators from 10 to 12	60	65
F	Sum of Indicators from 13 to the end	-	70

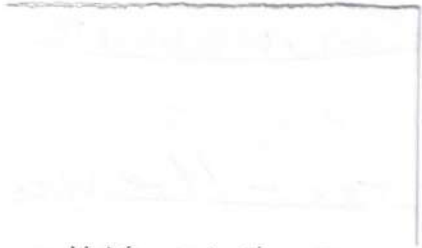
Dr. Konstantin Kostov provides a list of 11 articles in English, published in international and national publications, which are referenced and indexed in world-renowned databases of scientific information with a high impact factor and a large number of citations. They refer to several major areas - heart failure, metabolic syndrome, biomarkers, arterial hypertension, rhythm disorders. The publications are related to the analysis of the exchange of elastin, collagen, matrix metalloproteinase-12, matrix metalloproteinase-3 inhibitor, and the analysis of Angiotensin II in patients with DM and AH are of contribution to AH. His research contribution in a large number of clinical trials are relevant to the development of medicine.


Data for fulfilling the requirements for participation in the competition provided by Dr. Kostov:

Group of indicators	Content	Minimum requirements	Number of points for the author
A	Indicator 1	50	50
B	Indicator 2	-	
C	Indicators 3 and 4	100	116,06
D	Sum of Indicators from 5 to 9	220	284,5
E	Sum of Indicators from 10 to 12	60	105
F	Sum of Indicators from 13 to the end	-	40

Conclusion:

Based on everything above, I believe that the presented research and teaching activity of the two candidates Dr. Lilyana Mircheva, MD and Dr. Konstantin Kostov, MD meet fully the quantitative and qualitative criteria and requirements of the competition. An advantage of Dr. Mircheva is her long professional and teaching experience, which gives me the reason to vote "positive" and to recommend to the members of the respected scientific jury to give their positive vote for the election of Dr. Lilyana Mircheva, MD for the academic position of "Associate Professor" in the field of higher education 7. Health and sports, professional field 7.1. Medicine, scientific specialty Cardiology, for the needs of Medical Faculty, University "Prof. Dr Asen Zlatarov – Burgas.



Prof.  Mitya Dimitrov Popov, MD