



OPINION

by Professor Vladimir Hristov Gonchev, MD, PhD

Member of the Scientific Jury,

determined by order No. R-259/15.09.2022

on Competition for the occupation of an academic position "Docent" in the field of higher education 7. "Health care and sports, professional direction 7.1. Medicine"

scientific specialty "Cardiology" with a candidates:

Liliana Georgieva Mircheva, MD, PHD

Konstantin Mihailov Kostov, MD, PHD

The candidate has submitted all the necessary documents for participation in the competition, corresponding to the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria, the Rules for its Application and the Rules for the Development of the Academic Staff at the University "Prof. Dr. Asen Zlatarov", Burgas.

Brief biographical and professional data about the candidate's development

Liliana Mircheva graduated from Varna Medical University in 2004. Since 2013, she has been an assistant in the Department of Cardiology at the First Department of Internal Medicine at Varna Medical University. In 2014, he acquired the specialty "Cardiology". Dr. Mircheva has an additional professional qualification in echocardiography - fundamental and expert level. She participated in a two-year specialized course, accredited by the European Society of Cardiology, on the problems of heart failure in Zurich, Switzerland. In 2017, Dr. Liliana Mircheva obtained the educational and scientific degree "Doctor" with the topic of her dissertation: "Optimization of care for patients with heart failure after discharge". Оценка на количествените и качествените показатели

Liliana Mircheva submitted a signed comprehensive evidentiary material containing detailed lists, references, summaries and full-text copies of the scientific works, as well as certificates and diplomas, references for citations, declaration of originality and authenticity of the attached documents. The presented materials contain the necessary information to carry out a quantitative and qualitative assessment of her overall academic development. The works presented are in the field and the issues of the competition - professional direction 7.1 Medicine, scientific specialty "Cardiology":

1. Monograph: Lilyana Mircheva. Congestion and heart failure. ISBN 978-619-221-271-1, 167 pages.
2. Publications and reports in scientific publications, referenced and indexed in a global database with scientific information - 8
3. Publications and reports published in non-refereed peer-reviewed journals or published in edited collective volumes - 14
4. Published chapter of a collective monograph - 4

The candidate fulfills the conditions for occupying the academic position "Docent" in accordance with Art. 29 of Law on the Development of the Academic Staff in the Republic of Bulgaria and minimum required points for the academic position "Associate professor", according to the Rules for the Development of the Academic Staff in the field of higher education 7. Health care and sports, professional direction 7.1. Medicine, scientific specialty "Cardiology". In table 1, I confirm the scientific-metric values, according to which Liliana Georgieva Mircheva fulfills all the conditions for occupying the academic position "Associate professor" in accordance with the

Regulations for the development of the academic staff in and the minimum required points at the University "Prof. Dr. Asen Zlatarov", Burgas.

Table 1. Minimum required points for the academic position " Associate professor " in the field of higher education 7. Health care and sports, professional field 7.1. Medicine, scientific specialty "Cardiology"

Indicator Group Contents	Associate professor		
	Execution	minimum national requirements	minimum requirements for University "Prof. Dr. Asen Zlatarov"
A Indicator 1	50	50	50
B Indicator 2	-	-	-
B Indicator 3 and 4	100	100	100
Г Сума от показателите от 5 до 9	358,75	200	220
D Sum of indicators 5 to 9	65	50	60
E Sum of indicators from 13 to end - Acquired medical specialty - Training of specialists - Management of specialists	70	-	20
Total	643,75	400	450

The scientific publications presented are a total of 26 full-text publications published in refereed and non-refereed peer-reviewed journals or published in edited scientific volumes.

Out of a total of 26 scientific works presented for the competition, in 16 of them she is the independent or first author (61.53%), in 3 works (11.5%) - second author and in 7 (26%) - third and subsequent author .

Main directions of publication activity

The presented works of the candidate correspond in terms of subject matter and content in the following main areas:

I Heart failure

1.1. Role of outpatient programs for patients with chronic heart failure

1.2. Optimizing the care of heart failure patients after hospital discharge.

- 1.3. Causes and significance of heart failure rehospitalizations
- 1.4. Role of the 6-minute walk test for assessing functional capacity
- 1.5. Role of BNP in the diagnosis, treatment and follow-up of patients with heart failure
- 1.6 Congestion and heart failure
- 1.7. Drug treatment of chronic heart failure
- 1.8. Ultrafiltration as a treatment method for patients with drug-refractory chronic heart failure
- 1.9. Heart failure and depression
- 1.11 Heart failure in adult patients

II Cardio-oncology

In a separate chapter of a collective monograph, the author describes the relationship and the underlying mechanisms by which some commonly used oncological drugs affect the pumping function of the heart.

III Infective endocarditis

Application of modern recommendations for treatment and prevention of infective endocarditis in real clinical practice. An overview of the main principles in the diagnosis, prophylaxis and treatment of infective endocarditis in the 2009 European guidelines for behavior was made. Our own experience from the application of the recommendations for behavior in infectious endocarditis on the territory of UMBAL "St. Marina" - Varna.

IV Hyperuricemia

The author, together with other Bulgarian researchers, conducted the first epidemiological study of the frequency of hyperuricemia in the Bulgarian population. Researchers found an unexpectedly high prevalence of hyperuricemia in the population, with the prevalence of this unrecognized risk factor even higher in the presence of certain comorbidities

V Iron deficiency

The presented study aims to clarify the frequency of iron deficiency in patients with HF hospitalized for worsening, as well as to establish its relationship with basic prognostic parameters.

VI Valvular diseases

In the mentioned publication, an analysis of the main types of degenerative diseases of the mitral valve was made. An overview of the clinical manifestation, diagnosis and treatment methods is made.

VII Imaging diagnostics in ischemic heart disease

These two full-text publications describe the importance of computed tomography coronary angiography in the diagnosis of patients with nonobstructive and obstructive coronary heart disease.

VIII Pulmonary thromboembolism

An overview of the causes, clinical picture, methods of diagnosis and treatment in patients with pulmonary thromboembolism was made.

Teaching activity

Dr. Liliana Mircheva conducts exercises and lectures on Internal Medicine with Bulgarian-language Medicine students at the Medical University - Varna, First Department of Internal Medicine, Department of Cardiology. The study and workload for the last 5 years is:

2015/2016 – 178 hours

2016/2017 – 146 hours

2017/2018 – 216 hours

2018/2019 – 214 hours

2019/2020 - 128 hours

Dr. Liliana Mircheva participates in the internal medicine examination committees for IV year Medicine students. Trains intern physicians during their state residency in Internal Medicine. Participates in the training of specialized doctors in the specialty "Cardiology".

Brief biographical and professional data on the development of Konstantin Mihailov

Kostov

Konstantin Mihailov Kostov, MD graduated from Michigan State University, USA in 2009 - Bachelor of Human Physiology - Michigan State University, USA and Pleven Medical University in 2009.

In 2020, he acquired a Specialty - Cardiology, in 2021 a Doctorate degree in the scientific specialty of medicine, field of cardiology.

From 04.01.2016 to 19.11.2020 Cardiologist, assistant - Second Clinic of Cardiology, UMBAL Dr. Georgi Stranski and from 04.01.2016 to 15.09.2017 Assistant - Pleven University of Medical Sciences, Department of Cardiology, pulmonology and endocrinology" Second Cardiology Clinic, UMBAL Dr. Georgi Stranski

For the period 2016 - 2017, he was a cardiologist, assistant professor at the Department of "Cardiology, Pulmonology and Endocrinology", Pleven Medical University; from 2017 - 2020, cardiologist, assistant, Department of "Propaedeutics of Internal Diseases", UMBAL "Dr. Georgi Stranski" Pleven;

From 2020 – 01.04.2022 cardiologist doctor USBALK – Pleven. From 14.04.2022 - doctor cardiologist MC MEDKONSULT PLEVEN

Evaluation of quantitative and qualitative indicators

Konstantin Mihailov Kostov, MD. has submitted a signed comprehensive evidentiary material containing detailed lists, references, summaries and full-text copies of scientific works, as well as certificates and diplomas, citation references, declaration of originality and authenticity of the attached documents. The presented materials contain the necessary information to carry out a quantitative and qualitative assessment of his overall academic development. The works presented are in the field and the issues of the competition - professional direction 7.1 Medicine, scientific specialty "Cardiology".

1. Publications and reports in scientific publications, referenced and indexed in a global database with scientific information - 8 nos.

2. Publications and reports published in non-refereed peer-reviewed journals or published in edited collective volumes – 14 nos.

The candidate fulfills the conditions for occupying the academic position "Associate professor" in accordance with Art. 29 according to the Law on the Development of the Academic Staff in the Republic of Bulgaria and minimum required points for the academic position "Associate professor", according to the Rules for the Development of the Academic Staff in the field of higher education 7.1. Medicine, scientific specialty "Cardiology". In table 1, I confirm the scientific-metric values according to which Konstantin Mihailov Kostov, who meet the conditions for occupying the academic position "Docent" in accordance with the Regulations for the

development of the academic staff in and the minimum required points at the University "Prof. Dr. Asen Zlatarov", Burgas.

Indicator Group Contents	Docent		
	Execution	minimum national requirements	minimum requirements for University "Prof. Dr. Asen Zlatarov"
A Indicator 1	50	50	50
B Indicator 2	-	-	-
B Indicator 3 and 4	116,06	100	100
Г Сума от показателите от 5 до 9	284,5	200	220
D Sum of indicators 5 to 9	105	50	60
E Sum of indicators from 13 to end - Acquired medical specialty - Training of specialists - Management of specialists	40	-	20
Total	595,56	400	450

Main directions of publication activity

The presented works of the candidate correspond in terms of subject matter and content in the following main directions:

1. Heart failure
2. Metabolic syndrome.
- H. Biomarkers
4. Arterial hypertension.
- b. Rhythm disturbances

Teaching activity:

Full-time assistant for 4 years and 10 months - teacher of III and IV year students of English language studies at MU Pleven, Faculty of Medicine;

Realized study load (in equivalent hours) at the Faculty of Medicine, MU Pleven, specialty medicine English language training for the period 2016/2017 to 2021/2022 academic years is as follows:

- 2016/2017 -165.6 hours.
- 2017/2018 – 147.5 hours.
- 2018/2019 – 135 hours

- 2019/2020 -516.6 hours
- 2020/2021 – 579.6 hours.
- TOTAL = 1544.4 hours (from 2016/2017 to 2021/2022)
exercises with students learning English

Conclusion

The examination of the materials for the competition for the academic position "Associate Professor" of Dr. Liliana Georgieva Mircheva, MD, PhD and Dr. Konstantin Mihailov Kostov, MD, PhD shows that the normative requirements of the Law are covered quantitatively and qualitatively for the development of the academic staff of the Republic of Bulgaria, the Regulations for its application and the Regulations for the development of the academic staff at the University "Prof. Dr. Asen Zlatarov", Burgas.

In conclusion, comparing the educational, professional and scientific achievements of Liliana Georgieva Mircheva, MD, PhD exceed those of Konstantin Mihailov Kostov, MD, PhD. I give a positive assessment of the activity of Dr. Liliana Georgieva Mircheva, MD and I VOTE POSITIVELY, suggesting that the members of the scientific jury also vote positively for her selection for the academic position "Associate Professor" in the field of higher education 7. Health care and sports, professional direction 7.1. Medicine, scientific specialty "Cardiology" for the needs of the Faculty of Public Health and Health Care at the University "Prof. Dr. Asen Zlatarov", Burgas

04.11.22
Burgas

Signature:

Prof. Vladimir Hristov Gonchev, MD, PhD