

## REVIEW

**by Prof. Dr. Snezhanka Tomova Tisheva-Gospodinova, Doctor of science, Head of the Department of Cardiology, Pulmonology and Endocrinology - MU Pleven and Head of the Clinic of Cardiology, University Hospital "Dr. Georgi Stranski" EAD-Pleven**

For the award of the academic position "Associate Professor" in the field of higher education, professional field 7.1 "in the scientific specialty" Cardiology“, code 03.01.47 for the needs of the First Department of Internal Medicine at MU-Varna University Hospital" St. Marina” - Clinic of Cardiology, published in the State Gazette, issue 17 / 26.02.2021, and order of the Rector of MU-Varna № 109-175 / 24.04.21. With this order, a scientific jury consisting of seven habilitated persons was appointed.

Candidate - one: Dr. Lilyana Georgieva Mircheva, PhD.

*When reviewing the documents, I did not find any evidence of plagiarism. I have no conflict of interest with the candidate.*

Dr. Lilyana Georgieva Mircheva was born on July 31, 1979. She graduated medicine at the Medical University "Paraskev Stoyanov" - Varna. In 2013-2016. is an assistant professor of cardiology at the Board of Cardiology at the First Department of Cardiology at the Medical University of Varna. From 07.2018 he is a chief administrative assistant in the same structure.

Dr. Lilyana Mircheva acquired the specialty "Cardiology" -2014. From 01.2016. until 11.2017 he is a full-time doctoral student at the First Department of WB, Board of Cardiology. He is developing the dissertation on "Optimizing the care of patients with heart failure after discharge". Acquires Scientific degree "Doctor" D254 / 20.12.2017;

Specialization: 2014 - 2015 - Postgraduate course in Heart failure - University of Zurich, Switzerland.

In her consistent training and growth, Dr. Mircheva acquires the ability to independently carry out the entire process of clinical and instrumental diagnosis of heart disease in adults.

Dr. Lilyana Mircheva is a member of the Bulgarian Society of Cardiology.

Dr. Mircheva is fluent in English and German.

**I. Research activity:** In the competition for "associate professor" in cardiology for Dr. Mircheva participates with the following scientific production:

- dissertation work with / A1 /;
- Independent monograph / B3 /;
- 8 scientific publications in foreign and Bulgarian publications, which are referenced and indexed in Scopus and Web of Science / G7 /.
- 1 publication in foreign and in Bulgarian unreferenced journals with scientific review or in edited collections of publications in full text / G81.
- 1 chapter of 2 collective monographs- / G9 /

The participation of Dr. Mircheva in the peer-reviewed scientific papers and publications is as follows: independent author or first author - 8; subsequent author - 3.

The total impact factor of all printed original articles and abstracts in foreign sources is 57,066

Dr. Lilyana Mircheva participates as a co-researcher and coordinator in a number of multicenter national and international phase 3 and 4 clinical trials in the diagnosis and treatment of patients with heart failure, acute coronary syndrome, atrial fibrillation and others. (APPRAISE-2, PARADIGM - HF, PARAGON, FINEARTS - HF, FOURIER, SELECT)

**The research and applied research activity of Dr. Lilyana Mircheva is focused on the following scientific areas:**

### **1. Heart failure**

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

#### **1.2 Optimizing the care of patients with heart failure after discharge from hospital**

#### **1.3 Causes and significance of rehospitalizations for heart failure**

#### **1.4 Role of the 6-minute walking test to assess 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 - Indicator B3 - Monograph.**

#### **1.7. Drug treatment of chronic heart failure - Indicator G7 -**

**1.9. Ultrafiltration as a method of treatment of patients with refractory to drug treatment chronic heart failure**

**1.10. Heart failure and depression**

**1.11 Heart failure in adult patients**

**2. Cardiooncology**

**3. Infectious endocarditis**

**4. Hyperuricemia**

**4.1. Hyperuricemia and cardiovascular risk**

**5. Iron deficiency**

**6. Valve diseases**

**7. Imaging diagnosis in ischemic heart disease**

**8 Pulmonary thromboembolism**

**SCIENTIFIC CONTRIBUTIONS:**

1. Development of a project for the first outpatient office of its kind for the follow-up of patients with HF.
2. Development of an algorithm for tracking patients after their discharge from hospital.
3. Promotion of outpatient care for patients with HF at the national level.
4. Providing epidemiological, clinical and laboratory data for patients with heart failure, as a representative sample, at the national level.
5. Defining general measures for dealing with unnecessary and preventable rehospitalizations.
6. Training of healthcare professionals to work with patients with heart failure (Heart failure nurse)
7. Ensuring a better quality of life for patients with heart failure by including them in an outpatient monitoring program.
8. Results from the outpatient heart failure program, called Cardiocare, is included in the international registry for outpatient follow-up of patients with

heart failure Optimize HF and is the only center representing Bulgaria. ([www.optimize-hf.com](http://www.optimize-hf.com))

### Comparative analysis against the indicators of Academic staff development of MU-Varna

Group of indicators	Content	Associate professor (minimum number of points)	Personal number of points – Dr. Mircheva
A	Indicator 1	50	50
B	Indicators 3 or 4	100	100
C	Sum of indicators from 5 to 9	200	214
D	Sum of indicators from 10 to 12	50	50 т.
	Total points	400	414

## II. TEACHING AND TEACHING ACTIVITY

Dr. Mircheva presents the following workload:

Year	Lectures		Seminars		Cumulative hours per year
	BSS	ESS	BSS	ESS	
2015/2016	-	-	178	-	178
2016/2017	-	-	146	-	146
2017/2018	-	-	216	-	216
2018/2019	4	-	210	-	214
2019/2020	8	-	120	0	128

She maintains excellent continuing medical education in the form of courses and participation in medical forums. Her experience as a lecturer is extremely important for her future work as an associate professor with a major contribution to the training of students, interns and specialists at MU-Varna.

## III. Diagnostic - treatment activity:

In the competition Dr. Lilyana Mircheva presents herself as a graduate cardiologist with extensive scientific, teaching and medical activities. He has a recognized specialty in cardiology and certificates of qualification in the basic diagnostic and treatment methods in cardiology. Presents a diploma for the educational and scientific degree "Doctor" in the scientific specialty "Cardiology" 03.01.47 - 2017.

*Conclusion: Dr. Lilyana Mircheva is a doctor with good clinical experience. She is an excellently trained clinician, administrative manager and researcher. The scientific works of Dr. Mircheva are dedicated to modern and current solved and unsolved problems in Cardiology, which determines their significance, originality and scientific and practical significance. Her publication activity reaches the scientometric quantitative and qualitative requirements for the academic position "Associate Professor" according to the rules of Academic staff development of MU-Varna.*

*Based on the above, I give a good assessment of the research and clinical activities of Dr. Mircheva. I declare with conviction that there is every reason for Dr. Lilyana Georgieva Mircheva to be elected associate professor and I recommend the members of the scientific jury to vote positively for her awarding the academic position of "associate professor".*

15.06.21

  
Prof. Dr. Snezhanka Tisheva,

Doctor of science , FESC