

**To the President of the  
Scientific jury, appointed by order  
of the Executive Director of MBAL-  
NCB No 54/01.0 2.2023**

## **OPINION**

By prof. Borislav Georgiev Georgiev, MD, PhD,  
Head of the Cardiology Clinic at the National Heart Hospital  
Member of the scientific jury for the competition for acquiring the academic position "Associate Professor" in the field of higher education 7."Health and Sport", professional field 7.1."Medicine" and scientific specialty "Cardiac surgery",  
announced for the needs of the Department of Cardiac Surgery at the National Heart Hospital in the State Gazette No. 96/02.12.2022 and according to Order No.54/01.02.2023.

For the above competition, documents were submitted by one candidate – Dr. Dimitar Kyuchukov, MD. The opinion was prepared according to the requirements of the Law and the Regulations for the Development of Academic Staff, as well as the Regulations on the Terms and Conditions for Acquiring Scientific Degrees and Occupying Academic Positions in the Republic of Bulgaria and the Regulations on the Terms and Conditions for Acquiring Scientific Degrees and Occupying Academic Positions at the MHAT "National heart Hospital" EAD. The procedure for announcing the competition complies with the requirements of the Law on Scientific Degrees and Scientific Titles. The documents submitted by the applicant are in accordance with the requirements of the regulation for the academic position "Associate Professor" and the Rules of "National heart Hospital" EAD. I do not find any gaps in the submitted documentation and declare that I have no joint scientific papers with the applicant.

### **1. Research activities**

Dimitar Kyuchukov, MD, PhD has submitted for the competition:

- 1.1 Dissertation on *Surgical treatment of atrial arrhythmias*. Diploma No MUS 000517 475-D/05.12.2016
- 1.2 Author's monograph entitled *Surgical treatment of atrial fibrillation* with reviewers Prof. G.Nachev, Prof. D.Petkov and Assoc.Baev. ISBN 987-619-7536-86-7
- 1.3 Publications after the acquisition of academic position "Chief Assistant Professor"
  - 1 monograph,
  - 13 articles in scientific journals and published abstracts from scientific congresses.

#### 1.4 Authorship and citations

The presented official quote from the Central library to MU-Sofia indicates 12 citations in Bulgarian scientific journals.

1 citation is found in the Scopus database, and 1 citation is found in the Web of Science. Attached are articles with citations, which are 19 in total.

## 2. Profile of research, practical and applied activities

In accordance with the profile of scientific work, Dr. Kyuchukov works in several directions:

- Direction ***Surgical treatment of atrial fibrillation***: Dr. Kyuchukov has presented a dissertation, author's monograph and 1 publication outside the presentations for acquiring the "PhD" and for a competition for "Chief Assistant Professor".
- Direction ***Surgical treatment of patients with ischemic heart disease, left ventricular aneurysms and compromised left ventricular function with a ejection fraction below 35%***: 4 author's articles published in Bulgaria and abroad are presented.
- Direction ***Hybrid approach in the treatment of dissections and aortic aneurysms***: In this direction are presented 3 summaries in Bulgarian and English.

## 3. Most Important Scientific Contributions

Scientific contributions can be grouped thematically in relation to the candidate's work in the areas: surgical treatment of supraventricular arrhythmias and atrial fibrillation, surgical revascularization, surgical treatment of complications of ischemic heart disease, surgical treatment of aortic diseases, surgical treatment of mitral valve diseases, of the aortic valve diseases and of the pulmonary thromboembolism.

For the field of Surgical treatment of supraventricular arrhythmias and atrial fibrillation, the candidate presents 6 publications (No 1; 2; 11;18;19;20); For the field of Surgical revascularization of the myocardium presents 7 publications (No 3;4;5;14;15;24;27) for the field Surgical treatment of complications of ischemic heart disease - 7 publications (No 7;10;17;28;31;32;33), for the field Surgical treatment of aortic diseases - 7 publications (No 9;12;13;21;22;29;30); for the field Surgical treatment of diseases of the mitral valve – 3 publications (No 6;16;23); for the field of Surgical treatment of aortic valve diseases - 2 publications (No 8;25) and for the field Surgical treatment of pulmonary thromboembolism - 1 publication (No 26).

## 4. Teaching activities

The reference for 2020/2022 certifies the participation of Dr. Dimitar Kyuchukov as a lecturer of students, interns and post-graduate students in medicine at MU-Sofia for 2020 - 258 hours, for 2021 - 252 hours and for 2022 - 270 hours, or a total of 780 hours.

The workload is quite sufficient for the purposes of the competition.

## 5. Treatment and diagnostic activities

Dr. Dimitar Kyuchukov has acquired a specialty in Cardiac Surgery in 2014, a specialty in Vascular Surgery in 2019 and a certificate "Electrocardiostimulation – Basic Level" in 2022. As Head of the Department of Cardiac Surgery at the National heart hospital, he actively participates in the therapeutic and diagnostic activities and applies the most modern surgical methods of treatment of cardiovascular diseases.

## 6. Membership in scientific organizations

Dr. Dimitar Kyuchukov is a member of the following national and international scientific organizations:

- Bulgarian Society of Cardiac Surgery – Member of the Executive Board
- Bulgarian Association of Thoracic, Cardiac and Vascular Surgery
- European Association of Cardiothoracic Surgery

According to the requirements of National Centre for Information and Documentation for occupying the academic position "Associate Professor" Dr. Dimitar Kyuchukov meets more than the minimum requirements. The scientific production of Dr. Dimitar Kyuchukov covers the minimum national requirements of the Ministry of Education and Science and the National heart hospital according to Annex No1 of the Rules of Application the National Heart Hospital EAD – a total of 558 points. All data are presented understandably and accurately in the submitted for review materials.

In conclusion, I believe that the overall scientific, practical, organizational and teaching activities of Dr. Dimitar Kyuchukov, MD, PhD fully meet the requirements of the Law on the Development of Academic Staff in the Republic of Bulgaria for acquiring the Academic positions and the Rules for the Development of the Academic Staff in for the academic position "Associate Professor" at the National Heart hospital EAD.

I propose to the esteemed scientific jury to award to Dr. Dimitar Kyuchukov the academic position "Associate Professor" in the field of higher education 7. "Health and Sport", professional field 7.1." Medicine" and scientific specialty "Cardiac surgery".

Mar 6, 2023

  
Borislav Georgiev, MD, PhD