

REVIEW

by Prof. Dr. Nikolay Margaritov Runev, PhD, Clinic of
Propedeutics of Internal Diseases
"Prof. Dr. St. Kirkovich" at the University Hospital "Alexandrovska",
Medical University — Sofia

Subject: Competition for the academic position "Associate Professor" in the professional field 7.1, "Medicine" and scientific specialty "Cardiology", announced in the State Gazette, issue 60/29.07.2022 for the needs of the Cardiology Clinic at the University Hospital "Acibadem City Clinic" - Sofia

Order No 11-03-956#2 of 11.11.2022 of the Executive Manager and Procurator of Acibadem City Clinic, University Hospital for the appointment of a scientific jury

In the announced competition for "Associate Professor" in cardiology was admitted one candidate: Dr. Zoran Jovan Stankov, MD, Head of the Department of Invasive Cardiology at the Cardiology Clinic of Acibadem City Clinic University Hospital.

The applicant has submitted all the documentation necessary for the preparation of the opinion, in accordance with the requirements of the Law on the Development of the Academic Staff of the Republic of Bulgaria and the Regulations for its implementation.

- Research activities

Dr. Zoran Stankov has presented a written reference for compliance and fulfillment of the minimum national requirements (MNR) for "Associate Professor", including publications, citations and research activities:

- Dissertation for the award of the PhD in Medicine on the topic:
- „Endovascular treatment of aortic dissection type A and type B” **group. A = 50 points (MNR 50 points)**
- Habilitation — scientific publications (min. 10) in editions that are referenced and indexed in world-famous databases of scientific information (SCOPUS and WEB OF SCIENCE): **group B = 115 points (MNR 100 points)**

- Publications and reports in foreign and Bulgarian editions, referenced and indexed in world-famous databases with scientific information (SCOPUS and WEB OF SCIENCE): **group G7 = 203 points**
- Publications and reports in non-refereed journals with scientific review or in edited collective volumes: **group G8 = 51.83 points**
- Published chapters from collective monographies: **group G9 = 34 points,**

Total number of points in group G = 288.83 points (MNR - 200 points)

- Citations in monographs and collective volumes with scientific reviews: **group D11 = 50 points.**

Total number of points in group D = 50 points (MNR — 50 points)

Total number of points from indicators A, B, G and D = 503.83 points (MNR — 400 points)

Total IF, calculated on the basis of the official report submitted by the CML of MU-Sofia is **113,28**.

The quality of the submitted publications fully meets the academic requirements.

The main contributions of Dr. Stankov's scientific works are in the following areas:

- Endovascular treatment of structural heart disease:

Participated actively in the interventional team that performed the implantation of the first Mitra Clip in Bulgaria;

Actively participates in the development and implementation of the innovative minimalistic and precise approach of transcatheter implantation of aortic valve (TAVI) in Bulgaria;

Conducts many successful TAVI procedures with fully percutaneous access and avant-garde method for the treatment of paraprosthetic regurgitation

- Endovascular treatment of aortic diseases:

Active participant in the first major study in Bulgaria on endovascular treatment of aortic dissection (AD) type A and type B;

For the first time in Bulgaria, he explores endovascular therapeutic options in a large group of patients (a total of 70) with AD type A and type B with clinical and CT follow-up at 1st, 3rd, 6th and 12th months for the evolution of true and false lumen, frequency of repeated interventions and mortality;

For the first time in Bulgaria he studies the frequency and methods of endovascular treatment of malperfusion syndrome in AD caused by stenoses / thrombosis in different vascular territories (carotid, subclavian, visceral and peripheral arteries) and requiring secondary endovascular or hybrid revascularization;

Active participant in the world's first fully endovascular treatment of aortic dissection Stanford type A.

- Endovascular treatment of complex structural defects of the heart:

Participates in an interventional team for closure of ventricular septal defect (VSD) after myocardial infarction in nonobstructive coronary disease (MINOCA) using an ASD occluder;

Performs successful closing of the "entry" of a persistent false lumen after an operation on the occasion of aortic dissection type A with an ASD occluder.

- Interventional treatment of pulmonary thromboembolism (PE):

Participation in a team to perform percutaneous pulmonary arterial thrombectomy of patients with covid-19 infection and massive PE with the application of an individualized therapeutic approach;

Analysis of methods for selective fibrinolysis, thromb aspiration and defragmentation with a specially developed devices in massive PE.

- Interventional treatment of ischemic stroke and carotid disease:

Analysis of methods for diagnosis and treatment of basilar artery occlusion with the development of a specific nosocomial protocol for behavior in this potentially life-threatening condition;

Innovative approach for endovascular treatment of carotid-cavernous fistulas with coronary stent grafts.

- **Complex coronary and peripheral interventions:**

Analysis of the safety and effectiveness of polymer-free coronary stents in patients with stable angina and a high risk of bleeding when taking dual antiplatelet therapy;

Application of an innovative method for renal denervation of distal segments and branches of the renal artery with brachial access in patients with resistant hypertension;

- Study of the long-term effectiveness and safety of:

- endovascular treatment of iatrogenic aortocaval fistula, which led to the development of pulmonary hypertension and right heart failure;
- stenting of the left internal carotid artery with deep-loop technique and brachial access;

Analysis of the methods for treatment and follow-up of the early and late results of the endovascular treatment of patients with Takayasu's arteritis published for the first time in Bulgaria.

The quality of the submitted publications fully meets the academic requirements.

Dr. Stankov is a member of: Bulgarian Society of Cardiology, the European Society of Cardiology, the Bulgarian Society of Interventional Cardiology and the Bulgarian Society of Endovascular Therapy.

He is a regular speaker at the annual events of a number of international scientific congresses and conferences:

- Acute Stroke Interventions and Carotid Stenting (ICCA Stroke);
- Balkan Endovascular Course (BEC);
- Paris Course of Revascularization (PCR);

- Transcatheter Cardiovascular Therapeutics (TCT);
- Top to Toe Transcatheter Solutions (4TS);
- Southeast European Medical Forum (SEEMF).

Dr. Stankov, together with prof. Ivo Petrov, is the winner of the Award for Excellence in the Health Sector in Bulgaria, awarded for an innovative method of implantation of stent in aortic dissection.

II. Teaching activities

A reference is presented for the teaching activity of Dr. Zoran Stankov as a part-time assistant at the Department of 'Internal Medicine, Pharmacology and Clinical Pharmacology, Pediatrics, Epidemiology, Infectious and Skin Diseases' at the Faculty of Medicine at Sofia University "St. Kliment Ohridski".

The lecture activity of Dr. Stankov with medical students' IV course in the cycle "Cardiology", field "Internal Medicine" was as follows:

- In the academic year 2019/2020 - 60 academic hours
- In the academic year 2020/2021 - 150 hours
- In the academic year 2021/2022 - 90 hours

In "Acibadem City Clinic, University Hospital – Sofia, Dr. Stankov has for the period 2019-2021 teaching activity of 150 hours per year with postgraduates in cardiology - a total of 300 equivalent hours of lectures and seminars.

III. Diagnostic and therapeutic activity

Dr. Stankov is a physician with a very good theoretical background and extensive clinical practice in the field of invasive and non-invasive cardiology. He is an excellent interventional cardiologist with a significant experience gained at Tokuda University Hospital (2009 – 2012) and Acibadem City Clinic University Hospital EOOD Sofia (2012 - until now). Since 2020 he has been the Head of the Department of Interventional Cardiology in the Cardiology Clinic at Acibadem City Clinic University Hospital - Sofia.

He is fluent and applies daily in his practice the main invasive diagnostic and therapeutic methods in the field of cardiology with a strong interest in innovative approaches and endovascular treatment of:

- Aortic dissection Stanford type A;
- Malperfusion syndrome in AD;
- Complex structural defects of the heart, as well as modern methods of:
 - Transcatheter implantation of aortic valve;
 - Complex coronary and peripheral interventions.

He has acquired specialties in "Cardiology", "Angiology" and a certificate of professional qualification in "Interventional Cardiology" from the Medical University — Sofia. He has a Master's degree in "Health Management" from Medical University-Sofia.

IV. Conclusion


The volume of the scientific contribution, the number of publications in refereed and indexed scientific journals, as well as the citations in national and foreign databases of Dr. Stankov, fulfill the mandatory minimum national science metric indicators in the professional field "Medicine - Medico-clinical field" for taking the competitive position.

I believe that with his research, teaching, and diagnostic-therapeutic activities, Dr. Stankov fully meets the requirements of the Law on the Development of Academic Staff in the Republic of Bulgaria, the Rules for the Implementation of the Law on the Implementation of the Law on the Development of the Academic Staff at Acibadem City Clinic University Hospital - Sofia

This gives me grounds to vote with a positive vote and to propose to the honorable members of the Scientific Jury to support the selection of Dr. Zoran Jovan Stankov, the home, for "Associate Professor" of Cardiology for the needs of the Cardiology Clinic, "Acibadem City Clinic University Hospital - Sofia.

04.12.2022
Sofia

Signature:



Prof. N. Runev MD PhD