



REVIEW

By Prof.dr. Gencho Krastev Nachev, MD

National Consultant on Cardiac Surgery, Head of the Department on cardiac and vascular surgery at the Medical University – Sofia, regarding the announced competition for awarding the academic position “associate professor” at University “Prof. dr. Asen Zlatarov” - Burgas

This competition is announced for the higher education field: higher education field 7. Health Care and Sport, professional direction 7.1. Medicine, scientific subject “Surgery”, State Gazette, issue 45 dated 17.06.2022.

The reason for this Review preparation is the Order № 248 dated 15.09.2022 by the Rector of the University “Prof. dr. Asen Zlatarov” – Burgas for appointing the members of the scientific jury, and for these purposes I am assigned to prepare the review.

This Review is prepared in compliance with the Act on the development of the academic staff of Republic of Bulgaria, the Rules on its implementation, and the Rules on the conditions and procedure for acquiring scientific degrees and occupying academic positions at the University “Prof. dr. Asen Zlatarov” – Burgas.

The only applicant on this competition is Dr. Vladimir Borisov Kornovski, MD.

1. General information about the applicant

Dr. Vladimir Borisov Kornovski, MD, is born on 01.01.1974 in Varna. He has a secondary education diploma by IVth Language School “Frederic Joliot-Curie. In 2002 he graduates from the Medical University “Prof.Dr. Paraskev Stoyanov” – Varna (MU – Varna).

The professional experience of dr. Vladimir Kornovski starts in 2002 as an assistant-doctor and post-graduate student at the University Multifunctional Hospital for Active Treatment “St.Anna”; University of Medicine – Varna, Department “Emergency Surgery”. In 2005 he is an assistant at the UMHAT “St. Anna”, University of Medicine – Varna, Department “Surgical Diseases”. In 2014, he is an assistant at UMHAT “St. Marina, Department on cardio-vascular surgery and angiology. Since November 2021 he is a chief assistant at the Department on

Public Health and Health care at University “Prof.Dr. Asen Zlatarov” – Burgas. Currently, he is the head of the department on cardiac surgery at MHAT “Heart and Brain”, Burgas.

Dr. Kornovski has an over 20-year professional experience, two medical specialties: Surgery in 2009 and Cardiac Surgery in 2014.

In 2019 he obtained the educational and scientific degree “doctor of medicine” for subject Surgery, professional direction 7.1. Medicine, for the defended doctoral dissertation with subject “Possibilities of the transient flowmetry for intraoperative objectification and comparison of the blood flow for the coronary surgery of a “beating heart” and under extracorporeal circulation” at MU – Varna.

Dr. Kornovski has also specialization abroad – Germany, Belgium, Italy. He has a good command of English and French languages. He is a member of the Board of Manager of the Bulgarian Association on Cardiac Surgery and the Bulgarian Association on thoracic, cardiac and vascular surgery, as well as the European Association of Cardio-thoracic surgery.

2. Description of the materials presented

The set of materials presented for the participation in this competition is in compliance with Art. 67. (2) of the Rules on the conditions and procedure for acquiring scientific degrees and occupation of academic positions at the University “Prof. Dr. Asen Zlatarov” - Burgas.

Dr. Vladimir Kornovski, MD participates in this competition with 39 scientific works, which are not used for acquiring the education and scientific degree “doctor of medicine” and for the occupation of the academic position “chief assistant”.

Presented are also: list of scientific works; protocols of co-authorship; list of participations in forums; report on the citations; report on the compliance with the minimum national requirements; author’s list with resumes of the materials submitted for the participation in the competition; documents proving the length of service and teaching practice; diploma copies; copies of the scientific works.

The materials are accurately organized and include sufficient proving material.

All required reports and documents are available.

The documents and reports provided and required for awarding the academic position "associate professor", fully meet the requirements set in the Rules on the conditions and procedure for acquiring of scientific degrees and occupying academic positions at University "Prof. Dr. Asen Zlatarov" - Burgas.

3. General description of the scientific and applied research activity and assessment of the applicant's personal contribution

The scientific interest of dr. Vladimir Kornovski refers mainly to the cardiac surgery.

Under this competition dr. Vladimir Kornovski participates through 39 scientific works, as follows:

- 1 book based on the defended habilitation work.
- 2 co-authorships in published book chapters.
- 4 publications in magazines, referred and indexed in world renowned scientific information databases (Web of Science or Scopus).
- 10 scientific publications in magazines, referred and indexed in world renowned scientific information databases (Web of Science or Scopus), submitted instead of habilitation work.
- 22 publications published in non-referred magazines with scientific review.
- Report on 8 citations, of which 6 in scientific magazines, referred and indexed in world renowned scientific information databases, and 2 in non-referred magazines with scientific reviews.

All the scientific work presented for participation under this competition, are completely related to the professional direction of the announced competition. No plagiarism is found.

The applicant's scientific works are in sufficient volume and cover interesting topics related to the cardiac surgery. They include innovative and valuable scientifically applied research results, being a significant contribution to the development of the modern scientific and practical cardiac surgery.

According to the report on the citations of the publications presented under this competitions, with excluded self-citations, there are eight citations, six of which are in magazines, referred and indexed in world renowned scientific information databases.

According to the scientific metric indicators of the University "Prof. Dr. Asen Zlatarov", in compliance with the Act on the development of the academic staff of Republic of Bulgaria, and the Rules on its implementation, the minimum requirements for the applicants include a total score of 450 points, while dr. Vladimir Kornovski, MD, has 597.2 points, as follows:

Indicators Group Contents	Points required for occupying the academic position "associate professor"		
	Applicant performance	Minimum national requirements	Minimum requirements of the University
A Indicator 1	50	50	50
B Indicator 2	-	-	-
C Indicator 3		100	100
D Indicator 4	126	100	100
E Sum of indicators 5 to 9	241,2	200	220
F Sum of indicators 10 to 12	100	50	60
G Sum of indicators 13 to the end - 2 medical specialties acquired	80	-	20
Total	597,2	400	450

4. Themes of the scientific contribution:

The contribution of Dr. Vladimir Kornovski, MD, can be described mainly as scientific applied and applied research work, and described as follows:

- Revascularisation of the cardiac muscle of a beating heart and selection of equipment for patients over 75 years and patients with serious accompanying diseases
- Flowmetric control of the blood flow for the anastomosis performed after revascularization of the cardiac muscle of a beating heart, minimum invasive direct coronary arterial bypass, as well as after revascularisation under extracorporeal circulation.

- Research on the blood flow of the upper extremities after two techniques of fistulisation of right subclavian artery for patients after operation in regard to acute dissection of the aorta type „A“ as per Stanford.
- Research on the comorbid profile for patients with clear aortic stenosis, being subject to operative treatment.
- Presented operative treatment for some rare for the practice cases (syndrome of Bland-White-Garland, ruptured aortic pseudoaneurysm 15 years after the correction of the aortic coarctation with dacron parch, case of three-atrium heart, multicavity thrombosis at dilated cardiomyopathy).
- Discussed is also the current problem related to COVID19 and the subsequent effects.

The applicant's publications are reflected in the scientific works of other authors, indexed in world renowned scientific information databases, which demonstrates that the results are of high scientific value.

The research and results presented prove the serious scientific potential and define dr. Vladimir Kornovski, MD, as a dynamic scientific researcher with significant scientific and applied research achievements in the operative cardiac surgery and capabilities for research and critical analysis.

5. Educational and teaching experience

Dr. Vladimir Kornovski, MD has a teaching experience of over 18 years. As an assistant at the MU – Varna, in the period 2005 – 2019, he has practice lessons on surgery with the medical students of IVth and Vth year of education, both in Bulgarian and English language.

Since October 2021 in his capacity of Chief Assistant at the University “Prof. dr. Asen Zlatarov” – Burgas, he teaches practice and lectures the students from the specialties: medical nurse, midwife and doctor's assistant.

The applicant under this competition has the necessary teaching experience and is well prepared for occupying the academic position “associate-professor”.

6. Conclusion

I know Dr. Vladimir Kornovski in his capacity of cardiac surgeon with deep theoretical knowledge, professional skills on cardiac surgery, as well as with his capabilities, pursuit and abilities to do scientific research.

Based on the above described, I believe that the applicant, Dr. Vladimir Borisov Kornovski, MD, meets completely the criteria of the Act on the development of the academic staff of Republic of Bulgaria, the Rules on its implementation, as well as the requirements of the Rules on the conditions and procedure for acquiring scientific degrees and occupation of academic positions at the University "Prof. Dr. Asen Zlatarov" - Burgas.

The scientific production submitted for the purposes of this competition exceed the qualitative and quantitative criteria set by the regulatory documents of the University.

My impression of Dr. Vladimir Borisov Kornovski is very good, and I can confirm that he is a very concentrated and dedicated to his work. He has a significant scientific and applied research achievements that reaffirm him as a successful and competent researcher.

Therefore, these are the grounds for my positive vote and my certain proposal before the scientific jury to elect Dr. Vladimir Borisov Kornovski, MD, and award him as an "associate-professor" on surgery, for the needs of the University "Prof. Dr. Asen Zlatarov" - Burgas.

31.10.2022

Sofia

Prepared by:

(Prof. dr. Gencho Nachev, MD)