



REVIEW  
by

**Prof. Dr Veselin Petrov Petrov, M.D.**

Regarding: Competition for the vacant academic position of Associate Professor, in the following field of higher education: 7. Healthcare and Sports, professional field: 7.1. Medicine, Scientific specialty: Surgery, for the needs of Prof. Dr Asen Zlatarov University in Burgas.

### **Information about the procedure**

Following Rector's Order No. RD (РД) – 248 of 15.09.2022 I was appointed to be a member of the scientific jury. Subject to the report of the first meeting of the scientific jury, I was assigned to draw up a review on the competition for the position of an associate professor in the following field of higher education: 7. Healthcare and Sports, professional field: 7.1. Medicine, Scientific specialty: Surgery, for the needs of Prof. Dr Asen Zlatarov University in Burgas.

The competition was published in State Gazette No. 45 of 17.06.2022 on page 38. It fully complied with the provisions of the Law on the Development of the Academic Staff of the Republic of Bulgaria (LDASRB).

Subject of the aforesaid legal documents, all the procedural requirements for the announcement and publication of the competition, the terms for the submission of documents and the appointment of the scientific jury were duly met.

The only applicant in the competition was Dr Vladimir Borisov Kornovski, M.D.

### **Bibliographical data about the applicant**

Dr Vladimir Borisov Kornovski, M.D. was born on 01.01.1974.

He is a graduate of the French Language School in Varna with excellent results.

He studied medicine and completed his education in 2002 as a graduate of Varna Medical University. The same year, he started his work at Sveta Anna University General Hospital for Active Medical Treatment at the Medical University of Varna in the Emergency Surgery Department as an assistant doctor – trainee (intern), where he worked till 2005. From 2005 till 2014, he was a surgery assistant at Sveta Marina University General Hospital for Active Medical Treatment in Varna at the Surgical Diseases Department, and from 2014 till 2019, he as an assistant – cardiac surgeon at the cardiovascular surgery and angiology department in the same hospital. Since 01.11.2019, he has been the head of the cardiac surgery department of Heart and Brain General Hospital for Active Medical Treatment in Burgas.

## **Education and training**

In 2019, he was awarded doctor's academic degree after successful defence of his dissertation.

State internship in paediatrics and obstetrics and gynaecology at Franche-Compte University (05/2002 – 09/2002) Address: Besançon (France) Picardie Medicine University [ 1993 – 1995 ] Address: Amiens (France) Secondary Education: Frédéric Joliot-Curie French Language High School (1983 – 1993) Address: Varna (Bulgaria)

**LANGUAGE SKILLS** - French and English, both written and spoken.

Memberships: Bulgarian Society of Cardiac Surgery Union, Association of Thoracic and Cardiovascular Surgery, Bulgarian Surgical Society, European Association for Cardio-Thoracic Surgery.

Thesis defended for the award of the doctor's academic degree of Kornovski V.: The potential of the transit fluorometry for the intraoperative objectivization and comparison of the blood flow with the coronary surgery of 'beating heart' and under ECC.

1. The applicant has 4 publications on the topic of the thesis.
2. The applicant has 10 publications in volumes which are referred and indexed in internationally-renowned database with scientific information.
3. Published book (with ISBN) on the base of defended dissertation work (thesis) for the award of the doctor's academic degree:

**THE POTENTIAL OF THE TRANSIT FLUOROMETRY FOR THE INTRAOPERATIVE OBJECTIVIZATION AND COMPARISON OF THE BLOOD FLOW WITH THE CORONARY SURGERY OF 'BEATING HEART' AND UNDER ECC. ISBN 978-619-7559-30-9.**

4. The applicant is co-author of 2 chapters of monographies.
5. He was quoted 6 times in referral magazines and 2 times in non-referral magazines.
6. Dr Kornovski has 39 actual publications in total. The requirements for the necessary number of publications for the award of the academic position of associate professor are fulfilled.

## **Contributions of the research work**

Obviously, Dr. Vladimir Kornovski has worked in many directions of scientific research, which makes him one of the leading specialists in the field of cardiac surgery in Bulgaria. His dissertation work has also practical application in cardiac surgery. His publications include both innovative elements and significant experience and routine, obtained as a result of his practice as a surgeon in leading clinics in the country.

The rare clinical cases which the applicant successfully dealt with and published come to speak about thorough knowledge of the specific features and risks in cardiac



surgery. The presented materials are of significant benefit for all doctors, working on those issues.

### **Teaching and lecturing**

He has been occupying the academic position of an assistant professor of Cardiovascular Surgery since 2002. For a long time, he was a lecturer at the Medical University of Varna teaching both in Bulgarian and English.

The covered teaching hours reported in accordance with the applicable regulations and standards are enough to occupy the academic position of Associate Professor, having considered his lectures delivered to students, doctors – trainees, interns and in all forms of postgraduate education and continuing education. Dr Kornovski has covered the necessary teaching and lecturing background on the respective academic discipline at the Medical University of Varna subject to their requirements. The general recommendation which requires succession and consistency in the choice of academic positions is also fulfilled.

He was part of the team and co-author of 2 text books.

### **WORK EXPERIENCE**

Medical Director of Heart and Brain General Hospital for Active Medical Treatment in Burgas [ 07/2022 – Entrance ] City: Burgas Head of the cardiac surgery department of Heart and Brain General Hospital for Active Medical Treatment in Burgas [ 01/11/2019 – Entrance ] Address: Burgas (Bulgaria) City: Burgas Assistant Doctor – cardiac surgeon, administrative manager of the operational sector of Sveta Marina University General Hospital for Active Medical Treatment; Medical University of Varna, Cardiovascular Surgery and Angiology Department [ 01/01/2014 – 31/10/2019 ] Address: Varna (Bulgaria) Assistant Doctor – surgery Sveta Marina University General Hospital for Active Medical Treatment; Medical University of Varna, Surgical Diseases Department [ 09/2005 – 01/2014 ] Address: 1 Hristo Smirnenski Blvd, 9006 Varna (Bulgaria) University hospital having clinics and departments covering all profiles of medical specialties. It services a population of 1500 000. The activity of the cardiac surgery department includes planned and emergency surgical interventions of adults. Capacity of the department - 600 operations per year. Assistant Doctor – intern Sveta Anna University General Hospital for Active Medical Treatment; Medical University of Varna, Emergency Surgery Department [ 08/2002 – 09/2005 ] Address: 101 Tsar Osvoboditel Blvd, Varna (Bulgaria) University hospital having clinics and departments covering the major profiles of medical specialties

EDUCATION AND TRAINING Awarded Doctor's academic degree

### **Professional activity**

Regarding his professional qualification in the medical specialty, which is

within the scope of the announced competition, Dr Kornovski has 20 years of work experience as a surgeon. He has two medical specialties – Surgery and Cardiac Surgery.

Skills related to the work.

He makes 150-200 cardiac operations per year alone. Most of the interventions include coronary artery bypass with 70% of them in the condition of a beating heart, and when the patients are suitable for that then mini-invasive direct coronary artery bypass (MIDCAB) is made. The rest interventions include: mini-invasive heart valve surgery, surgery of the ascending aorta and aortic arch, atrial septal defects, heart tumours, heart-supporting systems - ECMO, IABP. As a surgery assistant at the Medical University of Varna, he teaches medicine to medical students and surgery interns, giving lectures both in Bulgarian and English. He took part in almost all events organized by the cardiac surgery clinic at Sveta Marina University General Hospital for Active Medical Treatment in Varna, and of the Varna Medical University. He took part in almost all events organized by Heart and Brain General Hospital for Active Medical Treatment in Burgas. He took part in training programs referring to myocardial revascularization of a beating heart, application of mini-invasive methods for myocardial revascularization and heart valve surgery, total arterial myocardial revascularization, reconstruction of the aortic valve, ECMO, etc.

Dr Kornovski has also significant administrative experience in the healthcare system. For 3 years now, he has been the head of the cardiac surgery clinic, and 1 year ago he was appointed to be the director of the hospital.

### **Conclusion**

Having considered everything said above, I can declare that with his scientific work, lecturing activities and practice, Dr Vladimir Kornovski has fulfilled all requirements of the Law on the Development of the Academic Staff of the Republic of Bulgaria (LDASRB), the Regulation for the Development of the Academic Staff at Prof. Dr Asen Zlatarov University in Burgas and he meets all criteria to be awarded academic degrees, titles and positions by the same university.

Therefore, I recommend to the respectable jury to vote positive and award the academic position of Associate Professor to Dr Vladimir Borisov Kornovski, M.D.

Prof. Veselin Petrov, M.D.