

TO THE CHAIRPERSON OF THE SCIENTIFIC JURY,  
appointed by Order № P-109-214/22.04.2025 of the Rector  
of Medical University "Prof. Dr. Paraskev Stoyanov" – Varna

## OPINION

by

Prof. Dr. Svetla Vasileva Staykova, MD, DSc

Member of the Scientific Jury appointed by Order № P-109-214/22.04.2025 of the Rector of Medical University "Prof. Dr. Paraskev Stoyanov" – Varna.

**Regarding:** Procedure for occupying the academic position "Associate Professor" in the field of higher education 7. "Healthcare and Sport", professional area 7.1. "Medicine", specialty "Nephrology" – one position, 0.5 full-time equivalent at the Second Department of Internal Medicine, Faculty of Medicine, and 1 full-time equivalent at the Clinic of Nephrology at University Hospital "St. Marina" EAD, according to the competition announced in State Gazette issue № 15/21.02.2025.

### **Biographical Data and Professional Development**

Dr. Aleksandar Aleksandrov Petrov graduated from the Medical University "Prof. Dr. Paraskev Stoyanov" – Varna in 2015 and acquired his specialty in Nephrology in 2020. In 2021, he defended his PhD dissertation on the topic: "Level of Awareness Among Patients with Chronic Kidney Disease Regarding Kidney Transplantation and the Importance of Awareness in Choosing Renal Replacement Therapy," obtaining the scientific degree "Doctor" in Nephrology. Since 2015, he has been appointed as an Assistant at the Second Department of Internal Medicine at MU Varna.

### **Research Activity**

The scientific interests of Dr. Aleksandar Petrov, MD, are focused on the follow-up and monitoring of patients after kidney transplantation, as well as innovative approaches in the treatment and prevention of kidney diseases. Dr. Petrov also shows active involvement in immunology, 3D printing, and artificial organs.

He actively participates in research projects, including project № 19024 funded by the "Science" Fund. His scientific production includes 1 monograph, 15 articles, 12 reports, and participation in 19 scientific forums. His contributions significantly expand the knowledge in nephrology and

have direct applications in clinical practice for improving diagnostics, treatment, and patient quality of life.

The main contributions of Dr. Aleksandar Petrov, MD, can be grouped into the following thematic areas:

**AREA 1:**

- Research and monitoring of complications in chronic kidney disease (CKD), including factors influencing erythropoietin resistance in dialysis patients.

**AREA 2:**

- Development of an algorithm for diagnosing rare and hereditary nephrological diseases and application of genetic testing and analyses.

**AREA 3:**

- Introduction and development of innovative technologies, including 3D technologies and bioartificial organs, with potential for changing approaches and diagnostics in renal failure and organ transplantation.

**AREA 4:**

- Presentation of clinical studies and methodologies for early diagnosis and monitoring of glomerular and tubulointerstitial diseases. Applying innovative and prospective approaches in the fight against CKD contributes to better understanding and elucidation of diagnostic processes. The study of Fetuin-A, conducted for the first time in Bulgaria among diabetic patients, proves that the application of proteomics in clinical practice is entirely realistic.

**Teaching and Educational Activity**

Dr. Petrov actively participates in teaching medical students specializing in Nephrology (5th year, English-language education), as well as nephrology specialists through specialized courses. He contributes to the development of curricula and educational resources in the field of Nephrology.

**Conclusion:**

Dr. Petrov is an accomplished specialist who has demonstrated dedication and active involvement in addressing contemporary and significant issues in modern nephrological science and practice. A significant part of his career development has been dedicated to monitoring and caring for patients post-kidney transplantation. He actively participates in numerous qualification courses, seminars, scientific symposia, and conferences, presenting posters and presentations, some of which have received awards.

The presented data regarding the scientific, teaching, and clinical activities of Dr. Aleksandar Aleksandrov Petrov, MD, convincingly demonstrate that he fully meets the requirements for the academic position "Associate Professor."

I recommend that the members of the Scientific Jury vote positively for awarding the academic position "Associate Professor" in the specialty "Nephrology" to Dr. Aleksandar Aleksandrov Petrov, MD.

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Prof. Dr. Svetla Vasileva Staykova, MD, DSc



