

TO 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. Kiril Hristov Hristozov, MD, PhD, 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 Sports", professional direction 7.1. "Medicine", specialty "Nephrology" – one position, 0.5 full-time equivalent for the Second Department of Internal Diseases, Faculty of Medicine and 1 full-time equivalent for the Clinic of Nephrology at University Hospital "St. Marina" EAD, according to the competition announced in State Gazette issue 15/21.02.2025.

Candidate: Dr. Aleksandar Aleksandrov Petrov, MD, PhD

### I. Biographical Data and Professional Development

Dr. Aleksandar Aleksandrov Petrov graduated from Medical University "Prof. Dr. Paraskev Stoyanov" - Varna in 2015. He acquired his specialty in Nephrology in 2020, and in 2021 he successfully defended his dissertation titled "Level of awareness of patients with chronic kidney disease regarding kidney transplantation and the importance of awareness in choosing renal replacement therapy", thus obtaining a PhD degree in Nephrology. His professional experience includes working at University Hospital "St. Marina" – Varna since 2015 and academic career since 2016 at Medical University – Varna, where he has been a chief assistant at the Teaching Sector "Nephrology, Dialysis, and Toxicology" since 2022.

### II. Research Activity

The research interests of Dr. Aleksandar Petrov are focused on studying and improving the quality of care for patients with chronic kidney diseases, kidney transplantation, and innovative approaches in the treatment and prevention of nephrological diseases.

Dr. Petrov actively participates in research projects, including project № 19024 funded by the "Science" Fund, titled "Identifying the causes of the high epidemiological activity of chronic kidney disease in Dalgopol municipality, Varna region". His scientific production includes 1 monograph (131 pages), 15 articles (totaling 96 pages), 12 reports (totaling 60 pages), and 19 participations in scientific forums.

### III. Scientific Contributions

The main scientific contributions of Dr. Aleksandar Petrov can be grouped into the following thematic directions:

• Investigation of chronic kidney disease and its complications, focusing on factors contributing to anemia and erythropoietin resistance in dialysis patients. • Clinical application of genetic tests and analyses in diagnosing rare and hereditary nephrological diseases. • Introduction and development of innovative technologies, including 3D technologies and bioartificial organs, with the potential to transform approaches to renal failure and transplantation. • Clinical studies and methodologies for early diagnosis and monitoring of glomerular and tubulo-interstitial diseases, including contrast-enhanced ultrasound and urinary proteomics.

These contributions significantly expand the knowledge in nephrology and have direct application in clinical practice, improving diagnosis, treatment, and quality of life for patients.

#### IV. Teaching Activity

Dr. Petrov has 9 years of teaching experience, actively teaching medical students in their 5th-year Nephrology course, as well as nephrology specialists. He participates in the development of curricula and educational materials for Nephrology training.

#### V. Clinical Diagnostic Activity

With nearly 10 years of clinical experience, Dr. Aleksandar Petrov is a promising nephrologist who has gained substantial expertise in nephrological practice.

#### Conclusion:

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

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

12.06.2025 Varna

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Prepared by: .....

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