

REVIEW

by
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Subject: Competition for the position of Associate Professor (Academic Degree "Docent") in the field of higher education:

7. "Healthcare and Sports", in the professional field 7.1. "Medicine", and the scientific specialty 03.01.15 "Nephrology", for the needs of the Second Department of Internal Medicine, Faculty of Medicine, and the Clinic of Nephrology at University Hospital "St. Marina" EAD, Varna, as per the competition announced in the State Gazette, issue no. 15/21.02.2025.

This review is prepared pursuant to my appointment as a member of the Scientific Jury by Order No. RK 109-202/16.04.2025 of the Rector of the Medical University - Varna, and the decision of the Scientific Jury at its first session.

Candidate for the announced competition – one:

The only candidate in the competition is **Dr. Aleksandar Aleksandrov Petrov, MD**, Chief Assistant Professor at the "Nephrology, Dialysis and Toxicology" Department of the Medical University, Varna.

Dr. Aleksandar Petrov, MD has submitted all necessary documents for participation in the competition as required by the Regulations for Academic Staff Development at the Medical University - Varna, within the designated timeframe.

1. Professional Qualification and Biographical Data of the Candidate

Dr. Aleksandar Aleksandrov Petrov was born on 08.07.1990 in Varna, where he completed his secondary education at the First Language High School. He holds a Master's degree in "Medicine" from the Faculty of Medicine at MU - Varna (2015, Diploma No. 003565). He obtained a clinical specialty in "Nephrology" in 2020 (Diploma No. 023850) (40 points, Indicator Group E). He earned a PhD ("Doctor of Science") in Nephrology in 2022 (Diploma No. 478/21.12.2021).

Dr. Petrov has attended numerous training courses both in Bulgaria and abroad in the field of clinical nephrology and transplantology.

He has over 10 years of teaching experience, including 5 years teaching the specialty "Nephrology".

He is proficient in both written and spoken English and German.

2. Analysis and Evaluation of Research and Publication Activity

2.1. Dissertation for PhD Degree (50 points, Indicator Group A)

In 2021, Dr. Petrov successfully defended a dissertation on the topic:

"Level of awareness among patients with chronic kidney disease regarding kidney transplantation and the role of awareness in choosing renal replacement therapy."

2.2. Habilitation Work (100 points, Indicator Group B)

Dr. Petrov submitted a monograph titled:

"In Search of the 'Liquid' Biopsy: Urinary Proteomics as a New Approach in the Diagnosis and Prognosis of Chronic Kidney Disease".

The monograph consists of 131 standard manuscript pages, published by STENO Publishing House, Varna, 2024.

2.3. Scientific Publications in Refereed and Non-Refereed Journals (Indicator Group G)

Dr. Petrov has presented a total of 15 articles (96 pages) and 12 conference reports (60 pages), and has participated in 19 scientific forums.

Most of the articles are published in refereed journals. He is the first author on more than half of the publications.

2.4. Citations (65 points, Indicator Group D)

He has a significant number of citations in refereed scientific journals, exceeding the national minimum requirements.

2.5. Scientific Projects (Indicator Group E)

Dr. Petrov submitted documentation of participation in Project No. 19024 under the "Science Fund" titled:

"Identifying the causes of the high epidemiological activity of chronic kidney disease in the municipality of Dalgopol, Varna region."

2.6. Scientific Contributions

His key scientific contributions are in the following areas:

- Research on chronic kidney disease and its complications, focusing on anemia and erythropoietin resistance in dialysis patients.
- Clinical application of genetic testing and analysis for diagnosing rare hereditary kidney diseases.
- Development and implementation of innovative technologies: 3D technologies and bioartificial organs with the potential to transform treatment approaches for kidney failure and transplantation.
- Clinical studies and methodologies for early diagnosis and monitoring of glomerular and tubulointerstitial diseases, including contrast-enhanced ultrasound and urinary proteomics.

3. Analysis and Evaluation of Teaching Activity (Indicator Group Zh)

Over the past five academic years, Dr. Petrov has documented a total of 1,087 academic hours of teaching, including lectures and practical sessions primarily in English, to medical students.

4. Overall Assessment of Clinical, Diagnostic, and Therapeutic Activity

Dr. Petrov is a physician and Chief Assistant Professor in the "Nephrology, Dialysis and Toxicology" Department at MU Varna.
His scientific interests span the three major directions of nephrology: clinical nephrology, dialysis treatment, and transplantology.

Conclusion:

Based on the above characteristics of Dr. Aleksandar Aleksandrov Petrov's work and considering the requirements of the Law on the Development of Academic Staff in the Republic of Bulgaria, its implementation regulations, and the internal regulations of the Medical University - Varna, I am firmly convinced that the submitted evidence meets the qualitative and quantitative criteria for appointment to the academic position of **Associate Professor (Docent)**. Dr. Petrov is a well-regarded nephrologist within the nephrology community in Bulgaria.

Based on the presented qualifications, I confidently and positively vote in favor of his appointment to the position of **Associate Professor in Nephrology**.

Prepared by:

Prof. Emil Paskaliev Dimitrov, MD, PhD, DSc

20.07.2025

/signature/

(Prof. Emil Paskaliev, MD)

Заличено на основание чл. 5,
§1, б. „В“ от Регламент (ЕС)
2016/679