

REVIEW

From **Prof. Dr Petko Penkow Marinov, MD**
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Subject: Competition for the academic position "**Professor**" in the field of higher education 7. Health and sports, professional direction 7.1. Medicine and scientific specialty "**Nephrology**" for the needs of "II Department of Internal Medicine" Scientific sector: nephrology, dialysis and toxicology in the Faculty of Medicine at Medical University of Varna, announced in the State Newspaper No. 8 / 28.01.2020

According to the Order of the Rector of Medical University of Varna № R-109-193/03.06.2020 and Protocol № 20/16.03.2020 of the Faculty of Medicine at Medical University of Varna I have been appointed to participate in the Scientific Jury.

The only candidate in the competition is Assoc. Prof. Dr. Svetla Vasileva Staykova, DMS, Head of the Board of Nephrology, Hemodialysis and Toxicology. The competition procedure is followed and the candidate's documents are in accordance with the requirements of the Law for the development of the academic staff in the Republic of Bulgaria, the Regulations for its implementation and the Regulations for the development of the academic staff at the Medical University "Prof. Dr. Paraskev Stoyanov" - Varna and the criteria set in it for holding the academic position of "professor".

Professional qualification:

Assoc. Prof. Dr. Svetla Staykova was born in 1963. She graduated from the Russian Language High School in Bourgas in 1981. In 1987 she graduated in medicine at the Higher Medical Institute in Varna. Specialty in "Internal Medicine" in 1993, in 1996 she acquired a second specialty - "Nephrology". Further development of the dissertation of education and the scientific degree "Doctor" in the scientific specialty "Nephrology" in 2001. Assoc. Prof. Staykova holds a master's degree in "Health Management". In 2018, following the development and the defense of a dissertation at the scientific stage "Doctor of Medical Sciences".

The candidate has additional qualifications in "Doppler ultrasound", "Continuous ambulatory peritoneal dialysis", "Conventional ultrasound - abdominal ultrasound and surface structures - first level", "Ultrasound vascular diagnostics" and Fresenius Medical Care - Working with hemodialysis machine 4008 S V4.5 Online plus".

Assoc. Prof. Staykova has 10 participations in international and 4 participations in national courses and conferences for professional development.

The total experience of Assoc. Prof. S. Staykova in the professional field of Medicine is almost 33 years, and the teaching experience is 25 years. She is the head of the Board of Nephrology, Hemodialysis and Toxicology. Since 2018 she has been the Head of the Clinic of Nephrology and Dialysis. She speaks Bulgarian, Russian

and English. She is a member of the Bulgarian Society of Nephrology, a member of the board of the Kidney Foundation, European Dialysis and Transplant Association; American Society of Nephrology; International Society of Nephrology; Balkan Association of Nephrology, Transplantation and Artificial Organs.

The main professional interests of Assoc. Prof. Staykova are in the field of urinary tract infections, chronic kidney disease, acute kidney damage, extracorporeal treatment (peritoneal dialysis - CAPD, chronic dialysis and hemodiafiltration), immunological disorders, viral and infectious diseases in patients with CKD, vascular access in dialysis patients.

Teaching activity:

Assoc. Prof. Svetla Staykova has 25 years of teaching experience, of which 5 years as an associate professor. "She actively participates in the training of 3rd and 5th year medical students and trainee doctors, as well as nephrology specialists. She gives lectures and practical exercises in "Nephrology", "Toxicology" and "Propaedeutics of Internal Medicine". The total study load is 250 study hours / year. Participates in examination commissions for students and graduates, as well as in State examination commissions for the specialty "Pediatric Nephrology" at MU-Varna. Participates in Scientific Juries for acquiring academic titles at MU - Sofia and MU - Varna. She has 97 publications in Bulgarian and foreign scientific journals. She is the editor-in-chief of the journal "Current Nephrology". Every year she participates in scientific conferences, congresses in the country and abroad, regional company events and round tables. Assoc. Prof. Svetla Staykova has supervised 6 PhD students, 1 of which has successfully finished her dissertation, and 5 work successfully on their PhD thesis. She was been also the supervisor of 5 graduates.

Scientific activity:

In the competition for professor Assoc. Prof. Svetla Staykova presents a total of 84 scientific papers and a dissertation for "Doctor of Science":

* 57 scientific publications, including the Dissertation for "Doctor of Sciences". Of these, 29 are full-text, 7 are in foreign magazines, 3 are in print, and 27 are printed in summary.

* Dissertation for "Doctor of Science": "Diagnosis and treatment of mineral and bone disorders in patients with chronic kidney disease on conservative and dialysis treatment."

* 27 participations in international and Bulgarian scientific forums - congresses, conferences, symposia

* 7 international and national scientific or educational projects.

The scientific papers are distributed as follows:

- ✓ Co-authorship in writing textbooks, books and teaching materials - 4

- ✓ Full-text publications in scientific journals and papers - 29, out of which:
 - 7 foreign
 - 22 in our country, 3 of which are under printing
- ✓ Abstracts published in journals and papers - 27

From the real publications in journals and papers, Assoc. Prof. Svetla Staykova is:

- First and independent author in 16
- Second author in 8
- Third and consecutive author in 9

From the published abstracts in scientific papers, its distribution as an author is as follows:

- The first and independent author in 11
- Second author in 10
- Third and consecutive author in 6

In the presented total of 84 scientific works Assoc. Prof. Staykova is an independent author in 22 (26.19%), first in 30 (35.71%), second in 17 (20.24%).

In the presented scientific publications she is an independent author in 15 (27.05%), first author in 20 (35.71%), second in 12 (21.43%).

The citations of the publications of Assoc. Prof. Staykova as of May 2020 are 155, and the impact factor is 28.78, which shows good international visibility of the candidate's scientific works.

Evaluation of scientific contributions:

The creative research of Assoc. Prof. Staykova is aimed at solving important issues in the field of kidney diseases. They can be divided into the following areas:

DIRECTION 1 - Analysis in dynamics with diagnostic-prognostic purpose of the most modern bone and highly specific, non-invasive biomarkers for chronic kidney disease and impaired bone-mineral metabolism, as well as development of a constellation for complex / individualized therapeutic behavior.

DIRECTION 2 - Study of psychological problems in dialysis patients, the relationship between them and medical staff - with sufficient informative value to determine their quality of life.

DIRECTION 3 - Diagnostic and therapeutic characteristics of congenital and hereditary diseases / anomalies with renal involvement in childhood.

DIRECTION 4 - Urinary tract infections - challenges, invisible aspects and consequences for patients with chronic kidney disease on renal replacement therapy.

DIRECTION 5 - Analysis and study of the predictive value of urinary markers for early renal damage, and monitoring of renal hemodynamics in patients with β -thalassemia major.

DIRECTION 6 - Application of a modern algorithm for adequacy of dialysis treatment - timely diagnosis of complications and selection of vascular access in patients on renal replacement therapy.

DIRECTION 7 - Plasma replacement in the complex treatment of immune and autoimmune diseases with a proven favorable prognosis in immunocompromised patients and achieving long-term remissions.

I think that the scientific works of Assoc. Prof. Staykova have modern scientific and applied merits and have an original contribution in the field of the announced competition for professor of nephrology.

Conclusion :

Based on the materials provided to me in the competition and my personal impressions of Assoc. Prof. Dr. Svetla Staykova, I am convinced that it fully meets the requirements of the Law on the Development of Academic Staff in the Republic of Bulgaria, the Regulations for its implementation and the Regulations for the development of the academic staff at the Medical University "Prof. Dr. Paraskev Stoyanov"- Varna and the criteria set in it for holding the academic position of "professor". I give my positive assessment of the election of Assoc. Prof. Staykova as a professor and I recommend the esteemed members of the Scientific Jury to vote positively for her election.

22.06.20
Varna

Prof. Dr. Petko Marinov, MD

