

## REVIEW

From **Prof. Dimitrichka Bliznakova**, MD, PhD  
Faculty of Dental medicine – Varna  
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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 with candidate Assoc. Prof. Dr. Svetla Vasileva Staykova, MD, DMS

### BRIEF BIOGRAPHICAL DATA AND CAREER DEVELOPMENT

Assoc. Prof. Dr. Svetla Vasileva Staykova, was born on July 21, 1963, in the village of Lyulyakovo, district Bourgas. She graduated from a high school in Bourgas in 1981 with excellent success. In 1987 she graduated from the Medical University - Varna. She was assigned to the Municipality of Ruen as a doctor and worked to 1992. Since 1993 she has been started working in the hemodialysis center of the Vladislavovo polyclinic until 1995. After a competition and her election as an assistant in 1995, she has been started working at the Clinic of Nephrology, Dialysis and Toxicology at the University Hospital "St. Marina". She defended her doctoral dissertation on "Some factors affecting the immune system in patients with chronic kidney disease, hemodialysis and kidney transplantation." She has been elected associate professor in 2015. Since 2018 is Head of the Dialysis Clinic at UMHAT "St. Marina" EAD – Varna.

Assoc. Prof. Staykova has two acquired specialties: internal medicine and nephrology. In the field of nephrology she has 25 years of experience, 23 of them in the University Clinic of Nephrology and Dialysis. Her research is dedicated to a wide range of issues related to CKD and life-sustaining renal replacement therapy.

She has published two monographs: "Modern and peritoneal access for dialysis" (2013) and "Modern algorithm for vessels and peritoneal access, TASC - criteria" (2006). She is a co-author of the monograph "Vascular Ultrasound" edited by Prof. Krassimir Ivanov and Textbook of Nephrology edited by Prof. Emil Paskalev. She is the author of two practical manuals for 5th year students of BLE and ELE in nephrology, issued in 2017-2018.

In 2018 she defended a secondary dissertation on "Diagnosis and treatment of mineral and bone disorders in patients with chronic kidney disease on conservative and dialysis treatment."

She has over 90 publications in Bulgarian and foreign scientific journals. Annually participates in scientific conferences, congresses at home and abroad, regional company events on various nephrological topics - round tables.

She is a member of the European Association of Dialysis and Transplantation; American Society of Nephrology; International Society of Nephrology; Balkan Association of Nephrology, Transplantation and Artificial Organs; Bulgarian Society of Nephrology - Member of the Board of the Bulgarian Nephrological Society and the Kidney Foundation - Varna.

She speaks English and Russian.

## SCIENTOMETRIC CRITERIA

In the competition for professor, Assoc. Prof. Dr. Svetla Vasileva Staykova, MD remains with 57 scientific publications developed following the occupation of the academic force "Associate Professor". Of these, 29 are long-text, 7 are foreign writings, 3 are in print, and 27 are printed in summary and can be summarized 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 abroad
  - 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 9From 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

### *Citations:*

The reference prepared in the library of MU - Varna (Cited reference №74 / 20.02.2020) states that the scientific works of Assoc. Prof. Svetla Staykova are cited a total of 13 times, and by indicators are divided into 3 groups:

- 1) Citations or reviews in scientific journals, referenced and indexed in world-famous databases with scientific information or in monographs and collective volumes - 6 pcs.
- 2) Citation in monographs and collective volumes with scientific review - 2 pcs.
- 3) Citation or review in unrefereed journals with scientific review - 5 pcs.

Based on information from the author and automated information from foreign databases from WEB of Science, Scopus and Google Scholar, Assoc. Prof. Dr. Svetla Staykova has a total of 135 points according to the list of citations.

### *Impact factor:*

A reference from the library of MU - Varna, indicates Impact factor from the publications of Assoc. Prof. Svetla Staykova - 12,698, and her total IF is 28.78 of all scientific papers.

## EVALUATION OF THE CONTRIBUTIONS FROM THE ENTIRE ACTIVITY OF SCIENTIFIC-APPLIED NATURE

Present scientific papers and results of the research work on the candidates with separate thematic in the following scientific directions:

Representative works for participation in the competition - a total of 57, reflecting the research activities in the period 2015 - 2020. and are divided into five groups:

Group I - Equivalent to monographic work few text publications in scientific lists with impact factor: 1 / B4 - 10 / B4.

Group II - Scientific publications and reports, referenced in world-famous databases with scientific information in foreign and Bulgarian scientific journals, with which there is an impact factor: 1 / G7 - 10 / G7 and 1 / G8 - 3 / G8.

Group III - Publications and reports published in non-refereed lists of peer-reviewed research or in editorial collective volumes / participation in national and international research / and abstracts: 1D - 27D.

Group IV - Published chapter of a collective monograph: 1 / D9 - 3 / D9.

Group V - Participate and lead an international research or educational project and publish a university textbook or textbook that is available on the school network: E / 16 - E / 20.

## **CONTRIBUTIONS RELATED TO THE MAIN DIRECTIONS OF THE SCIENTIFIC PAPERS**

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  $\beta$ -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.

## **CONCLUSION**

Assoc. Prof. Staykova is a specialist in nephrology. Her work experience in the field of nephrology has a serious duration - 25 years, of which 23 in the highly specialized university clinic of nephrology and dialysis. The presented monographs, manuals give an idea of an extremely purposeful and informed researcher.

Her dissertation, defended in 2018, "Diagnosis and treatment of mineral and bone disorders in patients with chronic kidney disease on conservative and dialysis treatment" shows us its depth in diagnosing and treating patients with the most severe complication of kidney disease - chronic kidney disease. This dissertation is extremely interesting given the problem it considers - mineral and bone disorders in patients with chronic kidney disease, conservative and dialysis treatment. The author acquaints us with the problems of these patients, with the need for adequate therapy and prevention in order to improve the quality of life.

Assoc. Prof. Staykova is an extremely active nephrologist. This shows her membership in the European Dialysis and Transplant Association; American Society of Nephrology; International Society of Nephrology; Balkan Association of Nephrology, Transplantation and Artificial Organs; The Bulgarian Nephrological Society and the Kidney Foundation - Varna.

Among the contributions of her work that are extremely important is the search for bone and highly specific non-invasive biomarkers for hormonal kidney disease and disorders of bone and mineral metabolism, as well as the development of a constellation for complex / individualized therapeutic behavior.

The applied modern algorithm for adequacy of dialysis treatment - modern diagnosis of complications and selection of vascular access in patients on renal replacement therapy, once again shows the competence of Assoc. Prof. Svetla Staykova.

Extremely important is the field that studies the psychological problems of dialysis patients, the relationship between them and medical staff, which is of sufficient informative value to determine the quality of life of these patients.

The works of Assoc. Prof. Staykova and her participation in author teams show us her dedication, depth and quality in the presented scientific papers.

Proceeding from the contributing nature of the scientific works, teaching and medical-diagnostic activity, in the presence of all required by the Law for development of the academic staff, the Regulations for its implementation and the Regulations for development of the academic staff of MU - Varna, I give a positive review and offer the members of the respected scientific jury to vote positively Assoc. Prof. Prof. Dr. Svetla Vasileva Staykova, DMS, to take the academic position of "professor" in the professional field 7.1. Medicine, scientific specialty "Nephrology", for the needs of the Faculty of Medicine, Second Department of Internal Medicine, Management Board of Nephrology, Dialysis and Toxicology and the Clinic of Nephrology at UMHAT "St. Marina" EAD - Varna.

22.06.2020  
Varna

With respect,   
Prof. D. Bliznakova MD, PhD