

**TO THE CHAIRMAN OF SCIENTIFIC COMMITTEE
APPOINTED BY ORDER № №319/23.06.2021 OF THE
CHIEF EXECUTIVE OFFICER OF
“ACIBADEM CITY CLINIC TOKUDA HOSPITAL”**

REVIEW

by

Assoc. Prof. Dr. Kremena Petkova, PhD
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of the scientific works of

Assoc. Prof. Dr. Kaloyan Davidoff, PhD
Head of Department of Urology
“ACIBADEM CITY CLINIC TOKUDA HOSPITAL”

RE: Competition for academic position “Professor”, area of higher education 7. Health and sport, professional direction 7.1. Medicine, scientific specialty “Urology”, for the needs of Department of Urology , “Acibadem City Clinic Tokuda Hospital”

**I. INFORMATION ON THE PROCEDURE FOR COMPETITION FOR ACADEMIC POSITION
“PROFESSOR” ”, FOR THE NEEDS OF DEPARTMENT OF UROLOGY , “ACIBADEM CITY
CLINIC TOKUDA HOSPITAL”**

The competition for academic position Professor”, area of higher education 7. Health and sport, professional direction 7.1. Medicine, scientific specialty “Urology”, for the needs of

Department of Urology ,“Acibadem City Clinic Tokuda Hospital”, has been announced in State Journal №33/20.04.2021.

With order №319/23.06.2021 of the chief executive officer of “Acibadem City Clinic Tokuda Hospital” I have been appointed as member of the Scientific committee and have been asked to prepare a review of the scientific activities.

Assoc. Prof. Dr. Kaloyan Davidoff, PhD, Head of Department of Urology, “Acibadem City Clinic Tokuda Hospital” is the only candidate in the competition. He has submitted all requested documents on time, as scheduled by the Law and the regulations for scientific ranks and academic positions at “Acibadem City Clinic Tokuda Hospital”:

1. Scientific degree PhD in the field of urology
2. Has been Associate professor for a 2 years time period
3. Has been a lecturer and member of a scientific team in “Acibadem City Clinic Tokuda Hospital”
4. Is a known healthcare professional with known academic achievement
5. Has presented a sufficient number of scientific publications in specialized scientific journal, which do not repeat the publications presented for PhD degree and competition for the position of “Associate Professor”
6. Covers the minimum requirements by the article 1a, paragraph 2 of the law
7. There is no plagiarism in his scientific works

Therefore, Assoc. Prof. Dr. Kaloyan Davidoff, PhD has been allowed to participate in the competition.

II. BIOGRAPHY OF THE CANDIDATE RELATED TO HER PROFESSIONAL GROWTH AND ACTIVITIES

Assoc. Prof. Dr. Kaloyan Davidoff, PhD was born in 1971. He graduated from Medical University of Sofia in 1994 and completed his residency in urology in the year 2000. In 2017 he acquired a PhD degree following public defence of dissertation entitled “Comparative study of the efficacy and safety of transurethral enucleation of the prostate with diode laser (DiLEP) and transurethral resection of the prostate (TURP)” and was appointed as an Associate Professor.

Assoc. Prof. Dr. Kaloyan Davidoff developed his professional qualities in medicine in Hospital Alexandrovska and at the Department of Urology at Tokuda Hospital, to which he has been chief since 2006. During those years Assoc. Prof. Dr. Kaloyan Davidoff was able to grow his career and become an experienced clinician and mentor. He was able to introduce to his clinical practice multiple minimally invasive diagnostic and treatment modalities, has been a mentor to many young urologists and has participated in a number of courses and educational activities in Bulgaria and abroad, which made him a well known urologist not only in our country, but also in Europe. Assoc. Prof. Dr. Kaloyan Davidoff is a member of International professional organizations and is taking part in working groups for scientific studies in the area of urology and urolithiasis. The papers presented for the competition contain detailed information on his professional growth and qualifications, scientific and educational activities

III. REVIEW OF THE SCIENTIFIC ACTIVITIES AND CONTRIBUTIONS

Quantitative analysis of the scientific activities:

Assoc. Prof. Davidoff is presenting 79 publications for the competition as follows:

- Dissertation and abstract – 2
- Publications in journals indexed in world scientific databases – 26 before being appointed the position of “Associate professor” and 7 after being appointed the position of “Associate professor”
- Publications in Bulgarian scientific journals – 17
- Co-authorship in books - 1
- Abstracts presented during International European and World congresses and scientific meetings – 4
- Abstracts presented during Bulgarian congresses and scientific meetings – 5 before being appointed the position of “Associate professor” and 1 after being appointed the position of “Associate professor”

Out of the presented works, the dissertation and abstract and 1 publication are reviewed during the procedure for “Associate professor”. Therefore, 78 scientific works will be

reviewed, out of which 22 are published after being appointed the position of “Associate professor”. 3 works are published in journals with impact factor and the overall impact factor is 20.942.

According to the citation report by National Library “Saint Cyril and Metodii” (№БНО-03-370/25.06.2021 г.) the number of citations is 15. 12 citations are discovered by the candidate himself. There is 1 citation in Scopus database.

According to the review of the scientific indicators, Assoc. Prof. Davidoff covers the criteria, stated by the Law and the regulations for scientific ranks and academic positions at “Acibadem City Clinic Tokuda Hospital” for the academic position of “Professor”.

IV. TOPICS OF SCIENTIFIC WORKS

The scientific works of Assoc. Prof. Davidoff encompass a variety of topics in the area of contemporary minimally invasive urology. The topics are in the following areas of urology:

1. Contributions in the area of diagnosis and treatment of urolithiasis

Urolithiasis treatment is one of the main areas of interest in the works of Assoc. Prof. Kaloyan Davidov. His publications include different aspects of minimally invasive urolithiasis treatment – percutaneous nephrolithotomy, ureterorenoscopy, shockwave lithotripsy. His team has studied the efficacy and safety of extracorporeal shockwave lithotripsy in patients with acute renal colic. A comparative study between retrograde ureteroscopy and shockwave lithotripsy for distal ureteral stones was also conducted. One publication is focused on the efficacy of upper pole access in percutaneous nephrolithotomy for the treatment of staghorn stones. Another study analyzed some rare complications of percutaneous nephrolithotomy – iatrogenic arterial lesions and colon perforation, and their management. Furthermore, a comparative study of super-mini PCNL and flexible ureteroscopy for the treatment of lower pole renal stones up to 20 mm was conducted.

2. Contributions in the area of endourology

Endourologic diagnostic and treatment methods are the “gold standard” in urology and every contemporary urologist aims to master and practice endourology. Assoc. Prof. Davidov has a substantial experience not only in urolithiasis treatment, but also in endourologic

treatment of different pathologies. In his PhD thesis he performed a comparative study of transurethral diode laser enucleation of the prostate (DiLEP) and transurethral resection of the prostate (TURP). He presented the introduction of transurethral anatomic enucleation of the prostate in his center, the learning curve, its efficacy and safety, finding a reduced blood loss, shorter catheterization times and shorter hospital stay in DiLEP. Another one of his works is focused on the safety and functional outcomes of resection of the ureteral orifice during transurethral resection of bladder tumors – a very common pathology, requiring high quality transurethral resection.

3. Contributions in the area of laparoscopic urology

Laparoscopic urology has expanded its indications during the last years and its replacing open surgery in many centers, including Assoc. Prof. Davidoff's center. His publications are focused on the introduction of laparoscopic radical prostatectomy and laparoscopic partial nephrectomy in his clinical practice, his learning curve and the efficacy and safety of these methods in his own series of patients. With the increased experience in laparoscopic surgery, Assoc. Prof. Davidoff has expanded the indications for laparoscopy in his practice, including the treatment of pediatric congenital hydronephrosis and cryptorchidism. His works describe the introduction of laparoscopic pyeloplasty and laparoscopic orchidopexy in pediatric patients, its surgical technique, efficacy and safety.

4. Contributions in the area of robotic-assisted surgery

Robotic-assisted surgery is one of the areas in urology Assoc. Prof. Davidoff is most interested in. His scientific works reflect his interest in the area and describe the introduction of robotic-assisted surgery for the treatment of prostate cancer, renal and bladder cancer. The authors investigate the learning curve, efficacy and safety, early and late postoperative complications in own series of patients treated with robot-assisted prostatectomy, partial nephrectomy and radical cystectomy. These publications demonstrate the advantages of robotic-assisted surgery over conventional open surgery – less invasiveness, better functional and oncologic outcomes, rapid reconvalescence.

The monography entitled “Robotic-assisted organpreserving surgery in solid renal tumors” describes in details the introduction of robotic-assisted partial nephrectomy, details of the surgical technique, intra- and postoperative complications and its treatment.

The introduction of robotic-assisted surgery in routine clinical practice in Bulgaria is a meaningful contribution and a step ahead for Bulgarian urologic centers in the minimally invasive treatment of urologic conditions aiming increased quality of care of patients.

5. Contributions in the area of other topics in urology

Assoc. Prof. Davidoff is not interested only in endourology, laparoscopic and robotic-assisted surgery. His works encompass other areas of modern urology such as urine incontinence, erectile dysfunction and some rare urologic conditions. This reflects the wide area of expertise of Assoc. Prof. Davidoff as a professional in the area of urology.

V. REVIEW OT EDUCATIONAL ACTIVITIES

The educational activities of Assoc. Prof. Davidoff reflect his duties as Head of the Department of Urology, “Acibadem City Clinic Tokuda Hospital” and lecturer at the Faculty of Medicine at Sofia University “Climent Ohridski”. The educational activity of Assoc. Prof. Davidoff include 1298 hours as mentor of residents and fellows. His educational activities at the Faculty of Medicine at Sofia University “Climent Ohridski” include 109.8 hours.

VI. REVIEW OF DIAGNOSTIC AND TREATMENT ACTIVITIES

Assoc. Prof. Davidoff is an established urologist with excellent theoretical and practical training. During his career he has established a high quality urologic center, working in the field of minimally invasive urology. He has created a team of young urologists, trained in endourology, laparoscopic and robotic-assisted surgery in urolithiasis, oncologic urology and prediatric urology, making the Department of Urology at “Acibadem City Clinic Tokuda Hospital” one of the leading urologic centers in Bulgaria offering complex and high quality treatment in urology.

Assoc. Prof. Davidoff has presented certificates for PhD degree and a large number of courses and educational training programmes, which are a guarantee for his professional qualities and training.

VII. CONCLUSION

The personal qualities and training of Assoc. Prof. Kaloyan Davidoff, as well as his scientific publications and contributions and educational activities cover all the criteria, stated by the Law and the regulations for scientific ranks and academic positions at “Acibadem City Clinic Tokuda Hospital” for the academic position “Professor”.

Based on the aforementioned facts and the analysis of professional and educational qualities of Assoc. Prof. Kaloyan Davidoff I give my positive review and recommend the scientific committee to assign the academic position of “Professor” to Assoc. Prof. Kaloyan Davidoff at Department of Urology, “Acibadem City Clinic Tokuda Hospital”.

18/07/2021

Sofia

Sincerely:



/Assoc. Prof. Kremena Petkova, MD, PhD/