

To: Career Development Department
Medical University – Varna

REVIEW

from

By Prof. Dr. Rossen Evgeniev Madjov , MD , PhD , DSc
Internal member of the Scientific Jury,
according to Order No. R- 109- 203/16.04.2025 of the Rector of MU - Varna

on

Scientific works, scientific-teaching and diagnostic-therapeutic activities
of

Assoc. Prof. Dr. Tosho Yordanov Ganey, MD, PhD, DSc

Department of Urology, Faculty of Medicine, MU-Varna

for participation in a competition for the academic position of "Professor",
in the specialty "*Urology*" in Professional Direction 7.1 "*Medicine*", field of
higher education 7.3 "*Healthcare and Sports*", for the needs of the Department of
" *Urology* ", Faculty of *Medicine* of the Medical University, Varna

INFORMATION ON THE PROCEDURE FOR ANNOUNCING A
COMPETITION FOR THE ACADEMIC POSITION OF "PROFESSOR" IN
THE SCIENTIFIC SPECIALTY OF "UROLOGY", FOR THE NEEDS OF THE
DEPARTMENT OF "UROLOGY", FACULTY OF "MEDICINE" OF
MEDICAL UNIVERSITY, VARNA

The competition for the position of full-time academic position
"*Professor*" in the field of Higher Education 7. "Health and Sports", Professional
Direction 7.1, "Medicine", in the scientific specialty "*Urology*", for the needs of
the Department of Urology, Faculty of Medicine of the Medical University, Varna
and the Clinic of Urology, University Hospital "St. Marina", Varna was
announced in the State Gazette No. 15 of 21.02.2025.

After a meeting of the Faculty of Medicine at MU-Varna under protocol No. 38/14.04.2025. and by Order of the Rector of MU-Varna No. 109-203/16.04.2025 I was elected as an internal member of the Scientific Jury, and by Protocol No. 1 of the first meeting of the Scientific Jury I was appointed to prepare a review of the scientific works and the scientific, teaching and diagnostic and therapeutic activities of the candidate.

Assoc. Prof. Dr. Tosho Yordanov Ganey, MD , Head of the Department of Urology at MU - Varna is the only candidate who submitted documents for participation in the competition within the legally established deadline. He meets the requirements of the ZRASRB and PRZRASRB, and the mandatory requirements at MU-Varna, reflected in Appendix No. 2 of the PRAS.

Assoc. Prof. Dr. T. Ganey is a proven medical specialist in practice with proven scientific and practical achievements. To participate in the competition, he presents sufficient scientific publications in specialized scientific journals and scientific works in sufficient number and quality, which do not repeat those submitted for the acquisition of the educational and scientific degree of Doctor and for occupying the academic position of "Associate Professor".

He meets the minimum national requirements set out in the ZRASRB and PRZRASRB and the mandatory requirements at MU-Varna, reflected in Appendix No. 2 of the PRAS. There is no proven plagiarism in the scientific works.

Since 2009, he has acquired the educational and scientific degree "Doctor", in the scientific specialty "Urology". He has held the academic position "Assistant" for 10 years, the academic position "Chief Assistant" for 5 years and since 2013 he holds the academic position "Associate Professor".

Head and lecturer at the Department of Urology of the Medical University of Varna for students and medical staff.

Based on meeting the necessary requirements, Assoc. Prof. Dr. Tosho Yordanov Ganey, MD, PhD, was admitted to participate in the competition and evaluated by the Scientific Jury.

1. BIOGRAPHICAL DATA ABOUT THE CANDIDATE RELATED TO HIS PROFESSIONAL DEVELOPMENT AND ACTIVITY

Assoc. Prof. Dr. Tosho Yordanov Ganev, MD, was born in 1963 in the town of Tutrakan. In 1993 he graduated from the Medical University of Varna with a degree in medicine. He began his professional career at the Urology Clinic at the St. Anna Hospital in Varna. In 1999, after successfully passing the state exam, he obtained a specialty in Urology.

In 2009 Dr. T. Ganev, MD, defended a dissertation for the acquisition of the educational and scientific degree **"Doctor"** on the topic ***"Research and optimization of hormone therapy for prostate cancer"***.

In 2023 - defended a dissertation ***"Treatment of high-risk prostate cancer"*** for the award of the National Council ***"Doctor of Sciences"***, in the specialty of Urology, Department of Surgical Diseases, Medical University "Prof. Dr. Paraskev Stoyanov".

Since 2024 he has been the head of the Department of Urology at the Medical University "Prof. Dr. Paraskev Stoyanov", and from 2025 - head of the Urology Clinic of the University Hospital "Sveta Marina", Varna.

For the professional development of Assoc. Prof. Dr. Tosho Yordanov Ganev, MD, the numerous courses in the country and abroad are of decisive importance: Endourology, Highly specialized activity in medicine: Biopsies under ultrasound control in urology, ureteroscopy, cystoscopy, Endourological methods for the treatment of urolithiasis, Endoscopic and percutaneous methods of treatment in emergency urology, Percutaneous nephrostomy and litholapaxy, ureterorenoscopy, laparoscopy, Advanced pelvic floor reconstructive surgery, acquired the ability to work with a robotic CMR system Versius and the Da robotic system Vinci Xi surgical system.

Assoc. Prof. T. Ganev participates in many scientific events in Bulgaria and abroad, which builds him as a modern doctor, scientist and lecturer. He is a member of the Bulgarian Urological Society and the European Association of Urology.

In the documents submitted for participation in the competition, the candidate has presented a detailed up-to-date report on his professional development and qualifications, as well as on his teaching, scientific and diagnostic and treatment activities.

2. ANALYSIS AND EVALUATION OF SCIENTIFIC RESEARCH ACTIVITIES AND FORMULATION OF SCIENTIFIC CONTRIBUTIONS

Assoc. Prof. Dr. Tosho Yordanov Ganey, MD, PhD, presents in the documents for participation in the competition an academic reference for compliance with the minimum national requirements, distributed as follows:

A. Dissertation – 1 (**50** points)

C. Habilitation thesis - monograph (**100** points)

D. Publications in foreign and Bulgarian publications that are referenced and indexed in Scopus and Web of Science – 6 (**228.67** points)

D. Publications in foreign and Bulgarian NON-refereed journals with scientific peer review or in edited collections with full-text publications - 2 (**12** points)

E. Citations or reviews in scientific publications, referenced and indexed in world-renowned databases with scientific information or in monographs and collective volumes – 23 (**345** items)

F. Supervision of a successfully defended doctoral student, acquired medical specialty, participation and supervision of a national project – (170 points)

The evaluation of these works covers the minimum national requirements and the requirements of the regulatory documents and the Regulations for the Development of the Academic Staff of MU Varna for holding the academic position of "*Professor*".

3. RESEARCH TOPICS

The main directions of scientific research are related to modern methods for prostate gland diagnostics, surgical treatment of high-risk prostate gland carcinoma, optimization of hormonal therapy in prostate carcinoma, kidney complications resulting from extracorporeal lithotripsy , study of the relationship between PSA density and the degree of differentiation of prostate carcinoma assessed by Gleason fast .

Main thematic areas:

- Prostate cancer is a common malignant disease in men. The author presents a systematization as in the world scientific achievements in the field of surgical treatment of prostate cancer, as well as results of a retrospective study of patients registered and treated in the period 1996 - 2022.

The increased knowledge gained within this study , have provided new insights into the treatment of high-risk prostate cancer . The statistically evaluated

factors that determine high-risk group, their weight in relation to the total survival, considering the five major predictors of cancer mortality: clinical progression, biochemical PSA progression, disease stage -33-3+, GS value and PSA values have summarized the following evidence: patients with high-risk prostate cancer need to be treated multimodally; in patients with high-risk prostate cancer it is possible and should be performed radical prostatectomy, within the framework of multimodal treatment and has a very good cancer connected survival.

The new strategy has also been proven that radical prostatectomy for high-risk prostate cancer or local advanced, should be performed for the purpose of more accurate staging and reduction of tumor burden as the operation is part of the multimodal therapy. Made are prognostic criteria for cancer connected survival of high-risk prostate cancer.

- A review of current trends in the diagnosis and follow-up of prostate cancer was conducted. It was emphasis on the present and the future advances in imaging and biopsy techniques that promise additionally improving the accuracy and efficiency of PCa detection, as the disease is a serious problem for society health, the second most common cancer and the fifth leading cause of cancer-related mortality worldwide scale. Analysis of prostate-specific antigen (PSA) screening contributed to the reduction in PCa mortality, but also both creating a risk of overdiagnosis and subsequent complications from unnecessary treatment.

- Assoc. Prof. T. Ganev also presents his experience in optimizing hormone therapy towards intermittent hormone therapy led to prolonging patient survival, improving quality of life, reduction of complications related to hormone therapy and reducing mortality. After a multi-year study of the treatment of PCOS with hormone therapy, the probable five- and ten-year survival rates were determined, as well as the risk of complications - hormone resistance, progression and lethal outcome - was measured.

As a result of the applied methodology of IHT, its clinical effectiveness was compared with that of CCT. The factors influencing survival and the occurrence of complications when using hormone therapy were studied. In this way, the general scientific knowledge of hormone therapy was supplemented, by defining specific criteria for selecting patients for treatment with CCT and IHT, and proposing intermittent therapeutic regimens strictly differentiated and tailored to both the characteristics of the carcinoma (clinical stage and degree of differentiation) and the time of onset of complications of antiandrogen hormone

therapy (hormone resistance, progression, lethal outcome). As a result, it was summarized that the effectiveness of the treatment of prostate carcinoma with IHT is directly related to the characteristics of the carcinoma and the methodology determining the duration of time with and without androgen deprivation, as well as that the application of IHT has a positive clinical effect. effect on selected group patients with androgen-dependent PCOS and leads to a reduction in mortality and the risk of complications – hormone resistance, progression, fatal outcome.

- An analysis of complications resulting from extracorporeal lithotripsy, which individualize the approach and decreases drastically urgent and urgent surgical interventions after ECLT. The analysis is related with statistics provided by Acibadem City Clinic and Multidisciplinary "St. Anna " Hospital, for the period from 2011 to 2016.

- The author examined the relationship between prostate-specific antigen density (PSAD) and the degree of prostate cancer differentiation as determined by Gleason score on the basis of on conducted single-center study.

The experience of Assoc. Prof. Ganev allows him to participate in a wide range of studies of any urological theses, including interdisciplinary ones with gynecologists. From all that has been presented, it can be summarized that Assoc. Prof. Ganev has presented a number of publications of serious studies in almost all areas of modern urology.

His contributions are significant and fully meet the requirements for acquiring the academic position of "**Professor**".

4. ANALYSIS AND EVALUATION OF TEACHING AND LEARNING ACTIVITIES

According to the certificate provided by MU-Varna, Assoc. Prof. Dr. Tosho Ganev has a teaching experience of 26 years, 7 months and 26 days as of the date of submission of the documents. He lectures, leads seminars and exercises with medical students, residents and doctoral students. He participates in examination committees: - medical students; state exam in surgery; colloquia of residents in urology; doctoral students in urology; recognition of a specialty in urology.

In addition, it trains postgraduates, develops curricula and programs. It participates in academic, scientific and educational councils, and provides methodological assistance to peripheral medical institutions.

The academic workload of Assoc. Prof. Dr. Tosho Ganev according to the submitted certificate (No. 112-46 of 28.02.2025) from the Academic Department of MU-Varna is:

School year	Lectures		Exercises		Undergraduate internship		Total hours per school year
	BEO	AEO	BEO	AEO	BEO	AEO	
2023/2024	16	0	90	0	0	0	106
2022/2023	16	0	82	0	0	0	98
2021/2022	14	0	86	0	0	0	100
2020/2021	12	0	78	0	0	0	90

This teaching activity is completely sufficient as a basis for opening a procedure for assuming the academic position of "*Professor*"

5. ANALYSIS AND EVALUATION OF DIAGNOSTIC, TREATMENT AND CONSULTATIVE ACTIVITIES

Assoc. Prof. Dr. Tosho Ganev is one of the leading urologists and university lecturers in the country, well-prepared both theoretically and practically. He is a well-established professional, proficient in modern methods of diagnosis and treatment of urological diseases. His hard work in his professional growth, the opportunities and qualities he possesses as a specialist urologist, the qualities of a communicative and ethical professional in his relations with colleagues and patients, make him one of the respected urologists in our country.

Assoc. Prof. Dr. Tosho Ganev has developed numerous surgical methods with a high level of complexity in the field of minimally invasive surgery. endoscopic , laparoscopic and robotic surgery.

All this is evidence of his high level of professional competence and scientific and teaching activity.

6. CONCLUSION

The personal qualities of Assoc. Prof. Dr. Tosho Ganev, his professional development and qualification as a doctor and specialist, his scientific research and publication activity, his teaching activity as a habilitated university lecturer, show that he meets the requirements of the Law on the Development of Academic Staff of the Republic of Bulgaria and covers the national requirements and indicators specified as criteria in the Regulations for the Development of the

Academic Staff of the Medical University of Varna for acquiring the academic position of "Professor".

I confidently give my positive assessment and would like to recommend to the other esteemed members of the Scientific Jury to vote positively for the awarding of Assoc. Prof. Dr. Tosho Yordanov Ganey, MD, PhD, DSc to the academic position of "**Professor**" in the scientific specialty "**Urology**" for the needs of the Department of "Urology", University Hospital "St. Marina", Faculty of Medicine, Medical University - Varna.

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