

O P I N I O N

by Prof. Dr. Kancho Trifonov Tchamov, MD, member of the scientific jury with a warrant No. RD - 93 / 11.03.2024 of the Rector of the University "Prof. Dr. Asen Zlatarov" - Burgas

Subject: competition for occupying the academic position "Associate Professor" in the field of higher education 7. "Health and Sports", professional direction 7. 4. "Public health" and scientific specialty "Social medicine and organization of health care and pharmacy", announced in SG, No. 3 dated 09.01.2024 for the needs of the FPHHC at the University "Prof. Dr. Asen Zlatarov" Burgas.

The only candidate in the competition is Ch. assist. Boyko Georgiev Mirazchiiski, MD, PhD.

1. Career development of the candidate

Chief assistant Boyko Georgiev Mirazchiiski, Ph.D. was born on February 10, 1966. In 1985, he completed his secondary education in English Language School in the city of Burgas. In 1993 graduated as a Master of Medicine at Medical University - Sofia. In the same year, he was appointed to the surgical department of "UMHAT-Burgas" JSC, where he worked until 2006. In the period 2006-2014, he was successively Deputy Director and Director of "MHAT-Burgas" JSC, and in 2014-2015 Manager of "MHAT-Burgasmed" SPL. For the period 2015-2017, Dr. B. Mirazchiiski was a surgeon at the II-nd Medical Center in the city of Burgas. From 2017 to the present, he is the Executive Director of "UMHAT-Burgas" JSC. In 2001, he acquired the specialty "Surgery" from MU-Sofia, and in 2009 he obtained Master's degree in "Health Management" from Burgas University "Prof. Dr. Asen Zlatarov". In 2021, he acquired a PHD in "Social medicine and organization of health care and pharmacy" after defending a dissertation on the topic "Risk assessment of the quality of medical care - an element of effective management in UMHAT - Burgas AD" University - Sofia. From 2022 he is Chief assistant in the Medical Faculty of the University "Prof. Dr. Asen Zlatarov" - Burgas. Dr. B. Mirazchiiski was elected as a municipal councilor in the Municipal Council of the city of Burgas and is the winner of a number of medical awards of the Ministry of Health and the BPU.

2. Scientometric indicators

Ch. assist. Boyko Mirazchiiski, MD, PhD has submitted all required by the Regulations of University "Prof. Dr. Asen Zlatarov" Burgas documents, as well as sufficient volume and content of information about his scientific output. The publications presented by him are in accordance with the professional direction and the scientific specialty of the announced competition.

The candidate participated in the competition for the academic position "docent" with 17 real publications after acquiring ESD "doctor", distributed by type as follows:

- A.1. Dissertation work for ESD "Doctor" - 1 issue;
- C.3. Habilitation thesis - monograph - 1 issue

- D.6. Published book based on a protected dissertation - 1 issue;
- D.7. Publications and reports published in scientific publications, referenced and indexed in world-famous databases with scientific information - 1 issue;
- D.8. Publications and reports published in non-refereed peer-reviewed journals or published in edited collective volumes – 13 issues;
- E.20. Published university textbook - 1 issue.

Of the scientific papers presented, 16 were published in Bulgarian scientific publications and 1 in a foreign scientific publication. Published in refereed and indexed in world-renowned databases is one of the candidate's works, and published in non-refereed journals with scientific review are 16 issues. In the presented scientific production, the candidate is an independent author in 23.5%, first author in 17.6% and second and subsequent author in 58.9% of the publications. The presented citation reference establishes 12 citations in Bulgarian and foreign scientific publications found in the databases of Web of Science, Scopus, etc. Citations within indicator "D" of the minimum requirements of the Regulations are distributed as follows: D.10. - 2 pieces; D.12. - 10 pieces.

3. Compliance with the minimum requirements of the Regulations of the University "Prof. Dr. Asen Zlatarov"- Burgas to occupy the academic position of "Associate professor" in PD 7.4. "Public Health"

A group of metrics	Required number of points	Number of points scored by the candidate
Indicator A	50	50
Indicator C	100	100
Indicator G	220	235
Indicator D	60	80
Indicator E	20	90
Total points	450	555

From the presented publications, the candidate collects a total of 555 points, with which he exceeds the minimum requirements of the University "Prof. Dr. Asen Zlatarov" - Burgas for the academic position of "Associate professor".

4. Thematic orientation and contributions of the scientific production

Those presented by Ch. Assist. Boyko Mirazchiiski, MD, Ph.D. publications are thematically grouped into the following four scientific directions:

4.1. Hospital management and human resources management (B3, D8.10, D8.11, D8.12, D8.13)

This thematic direction, including five publications, is one of the two most thoroughly developed in the candidate's research activity. The published monograph entitled "*Effective hospital management based on risk assessment*" has original scientific and applied scientific contributions. It examines the impacts of the main determinants of strategic management, aimed at analyzing and evaluating potential risks to ensure the long-term adaptability of hospital facilities to the dynamically changing environment. The stages and risk factors constituting the

structure of a developed four-stage pilot model for risk management of a hospital facility have been determined. Complex risk assessment is carried out by combining the use of the most informative data, taking into account probability, impact and effect, located on a standard "Risk Assessment Matrix". The presented methodical approach for determining the risk profiles of assessed clinics / wards in UMHAT-Burgas includes the selection of hospital-specific "key indicators" and their implementation in the following four steps: risk assessment; development monitoring; situational analysis; and follow-up actions. A formula is proposed for calculating the overall risk profile based on the obtained individual results. The correct assessment and analysis of potential risks creates opportunities for achieving a good balance between risk, benefit and costs, as well as for an adequate selection of priorities, in order to optimize the organization and management of the hospital.

A scientific-applied and informative contribution in this direction is made by the results of four publications based on empirical research carried out at "UMHAT-Burgas" JSC regarding: the organization of emergency medical care and the examinations performed for a four-year period (2019-2022); the transferred patients in the clinics and departments of the same hospital for a six-year period (2017-2022); the level of insurance and the age characteristics of the available medical specialists and non-medical personnel; trends in the development of medical specialists working in the city of Burgas for a 12-year period (2011-2021).

The scientific production of the candidate in this thematic direction has an original character, being distinguished by the quality of the methodological tools used.

4.2. Quality management of hospital care (D6, D8.3, D8.8, D8.9, E20)

The candidate's publications in this field have theoretical and applied scientific contributions, including: a self-published book based on a defended dissertation under the title "Assessment of the risk of the quality of medical care - an element of effective management in UMHAT - Burgas JSC"; co-authored university textbook entitled "Guide to Healthcare Quality Monitoring and Medical Auditing"; and three articles focused on evaluating the quality of the training of the specialists in "UMHAT-Burgas" JSC, their attitudes and the quality of satisfaction with the training process; quality of life before and after surgery for benign meningioma; and a survey among ENT specialists on occupational stress and burnout.

The development of a conceptual model for risk management of the quality of hospital care is aimed at establishing and monitoring the risk of preventable events and actions for their prevention within a purposeful, continuous and cyclical process. This process is managed with a control list (checklist) of indicators developed by the applicant to be used in the compilation of a model specific to the individual hospital facility for the assessment and management of risk for the quality of medical care. The presented similar example model for risk management for the quality of medical care in UMHAT-Burgas through 26 specific indicators selected by the candidate and found in the hospital's information arrays has a theoretical and scientific-practical contribution. The co-published *Guide to Healthcare Quality Monitoring and Medical Auditing* is an original teaching aid presenting the theoretical foundations of medical quality and medical auditing as technologies for monitoring and improving the quality of medical care.

4.3. Social medicine and public health care (G7, G8.1, G8.2, G8.7)

Publications in this thematic direction represent collective studies that have scientific-practical and informative contributions with the possibility of applying the obtained results in the practice of structures for the protection of public health and student education. They provide information

for effective decision making in two areas of social medicine and public health. The first area includes important aspects of the organization and management of hospital care in a national and regional aspect, such as: analysis of the bed stock of medical facilities in Bulgaria; analysis of the bed stock and patient turnover in the Burgas region and in the departments and clinics of "UMHAT-Burgas" JSC. The interaction of the determinants of health with socio-economic factors and their impact on economic growth and the development of the labor market has been studied. The second area is represented by two publications in which the candidate analyzed the dynamics of the incidence of COVID 19 in Burgas and the Burgas Region, as well as the correlatively established impact of vaccination on the number of hospitalizations in UMHAT-Burgas JSC.

4.4. Clinical management (D8.4, D8.5, D8.6)

The candidate's publications in this direction, 3 in number are collective developments, presenting clinical cases related to: established neurological complications in patients who have experienced COVID 19 infection; proposed approaches to reduce radiation exposure of medical staff and patients during urological operations; refinement of medical indications for the use of MRI in the diagnostic process of prostate carcinoma.

5. Educational and teaching activity

A document signed by the applicant certifies that Ch. assistant Dr. Boyko Mirazchiiski, PhD since 2020 has been involved in the training of students and specialists from the Faculty of Medicine of the University "Prof. Dr. Asen Zlatarov" - Burgas, majoring in specialty "Medicine". Conducts exercises and seminars with 1st and 2nd year students in the discipline "Social Medicine". He developed the methodology for conducting the laboratory exercises in the discipline "Social Medicine".

6. Participation in scientific projects

Documented is the participation of Ch. assist. Boyko Mirazchiiski, MD, PhD, in the scientific project team under Contract No. NIH - 489 / 2023 on the topic "Research and application of 3D technologies in medicine" headed by Assoc. prof. Nikolay Marinchev MD, PhD. The project was financed by the NHTD fund at the Scientific Research Institute.

CONCLUSION

In the current contest for awarding the academic position of "Associate Professor" only one candidate took part Chief assist. Boyko Georgiev Mirazchiiski, MDq PhD. The assessment of his scientific output and teaching activity shows: relevance and contribution character; published research results of scientific and applied value; published monographic works; participation in a scientific project and educational-teaching activity. The indicators of compliance with the requirements for occupying the academic position of "Associate professor" at the University "Prof. Dr. Asen Zlatarov" - Burgas exceed the specified minimum criteria according to the LDASRB. In connection with the above and in accordance with the provisions of the "Law for the Development of the Academic Staff in the Republic of Bulgaria" and the "Regulations on the Development of the Academic Staff of the University "Prof. Dr. Asen

Zlatarov", Burgas, I will vote positively for the awarding of Chief assistant Boyko Georgiev Mirazchiiski, MD, PhD the academic position "Associate professor" in the field of higher education 7. "Health care and sports", professional direction 7.4. "Public Health" and the scientific specialty "Social Medicine and Organization of Health Care and Pharmacy".

07.05.2024

Sofia

Prepared the opinion:

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