

To
The Chairman of the Scientific Jury
Determined by
Order № P-109-305 / 07.08.2020
of the Rector of MU - Varna

In relation to Protocol: № 26 / dated 13.07.2020 of the Faculty of Medicine,
Order № P-109-305/07.08.2020 of the Rector of MU-Varna and protocol №1 of the meeting
of the Scientific Jury

I enclose a standpoint

On the competition for the academic position of "Associate Professor" in General and Clinical Pathology, the field of higher education 7. Health and sports, professional field 7.1. Medicine, announced for the needs of the Department of General and Clinical Pathology, Forensic Medicine and Deontology at the Medical University of Varna, in the State Gazette (issue 53 of 12.06.2020) and upon an approved proposal by the Faculty Council of the Medical Faculty, Varna (Protocol. №26 of 13.07.2020).

Member of the scientific jury - Prof. Dr. Maria Angelova Tsaneva, MD from
Department of General and Clinical Pathology, Forensic Medicine and Deontology,
Faculty of Medicine at MU, "Prof. Dr. Paraskev Stoyanov"- Varna,
scientific specialty: General and clinical pathology

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Varna 08.10.2020

Materials on paper and electronic media have been submitted for the competition by the only candidate Dr. Deyan Lyudmilov Dzhankov, MD. - Assistant in the Department of General and Clinical Pathology, Forensic Medicine and Deontology at MU-Varna, which include all necessary documents according to Article 126 of the Regulations for the development of the academic staff at MU-Varna.

I. Career development of Dr. Deyan Dzhankov, MD

Dr. Deyan Lyudmilov Dzhankov was born on March 31, 1973 in the town of Dobrich. In 1999 he graduated from Medical Faculty of the Thracian University in Stara Zagora (diploma № 2239 / 04.11.1999 from the Medical Faculty of the Thracian University of Stara Zagora). The professional path of Dr. Deyan Dzhankov began as an intern at the Department of Pathoanatomy of Multidisciplinary Hospital for Active Treatment (MHAT) Silistra (1999 - 2006). From 2006 to the present he takes a position as an assistant lecturer in the Department of General and Clinical Pathology, Forensic Medicine and Deontology at Medical University (MU)-Varna and as a physician at the Clinic of General and Clinical Pathology at University Multidisciplinary Hospital for Active Treatment (UMHAT) "St. Marina" - Varna. In 2008 he acquired a specialty in General and Clinical Pathology (№ 013491 / 18.02 2008). In 2019 he defended educational degree "Doctor" (PhD) in the scientific specialty: Pathology and Cytopathology (diploma № 340 from 23.05.2019 MU-Varna) in the Department of General and Clinical Pathology, Forensic Medicine and Deontology at MU - Varna on the topic: "Expression of transcription factor ZBTB20 in glial tumors of the Central nervous system." The candidate has completed courses: PD-L1 Testing (Germany - 2017, 2018, 2019), Interpretation of HER2 IHC and HER2 DISH test in Breast and Gastric Carcinoma (Bulgaria), Pedagogical qualification of lecturers from medical institutions (Certificate SDO-99-296 / 12.07.2012), Pedagogical foundations of academic teaching under project BG051P0001-3.1.09-0013 Creation of a modern system for career development of lecturers at the Medical University Prof. Dr. Paraskev Stoyanov - Varna.

Dr. Dzhankov has a total work experience / as of 31.07.2020. Certificate with Ref. №Y-1095 /31.07.2020/ as a doctor 20 years, 7 months and 19 days and more than 14 years of lecturing experience.

From the reference for lecturing workload it can be seen that for the presented 5 school years / 2015/16 - 2019/20 /, the workload according to the norm at MU Varna for non-habilitated

teachers is 220 hours p.a., as Dr. Dzhenkov exceeds the norm except for 2015 / 2016 when his workload is 210 hours. He conducts practical exercises in medicine, dentistry and pharmacy in Bulgarian and English.

Dr. Dzhenkov is the manager of a university project № 19010/2019 at MU-Varna on the topic: "Predictive and prognostic markers in glioblastoma multiforme".

II Description of the scientometric indicators of Dr. Dzhenkov, MD

Dr. Deyan Dzhenkov participated in the competition for associate professor with a total of 36 scientific full-text publications that are not related to the dissertation. The scientific production includes: 11 publications equivalent to a monograph, referenced and indexed in world-renowned databases (Scopus and Web of Science), 9 publications in referenced and indexed in the same database, 12 publications in non-referenced journals with scientific peer-review and collections and other 3 publications outside the mandatory ones to meet the minimum requirements.

His dissertation for educational degree "Doctor" (PhD) on the topic: "Expression of transcription factor ZBTB20 in glial tumors of the Central nervous system", defended in 2019 was evaluated by national jury. **Criterion „A“ of the minimum requirements for holding the academic position of "Associate Professor", according to Law on Development of the Academic Staff in Republic of Bulgaria is met.**

Dr. Dzhenkov presents 11 publications equivalent to a monograph, some of which are a continuation of the candidate's dissertation. The morphological characteristics and immunohistochemical profile of different types of tumors and tumor-like processes are reviewed and a diagnostic algorithm based on the localization of tumors is proposed. The diagnostic value of the cytokeratins: AE1/AE3 and EMA in primary and metastatic brain tumors was evaluated. In a comparative aspect with normal brain tissue, the phenotypic alterations of the intermediate structural filaments in glioblastoma multiforme are reviewed. It was proven that the percentage of Ki-67 positive nuclei in malignant glioblastoma multiforme is not associated with the patient survival but it is an important immunohistochemical indicator for determining the degree of glial tumor differentiation. A review of the literature has been made with an emphasis on tumor morphology, with a detailed examination of the genetic and epigenetic disorders associated with glioblastoma multiforme. An extremely rare case of low-

grade astrocytoma with calvary destruction has been described with detailed literature analysis. A case of papilloma of the plexus horioideus of the IV ventricle is presented with a detailed macroscopic description and morphological illustration of the changes that led to early spontaneous miscarriage in the 2nd trimester. The results of the systematic analysis of head and neck tumors for a four-year period according to the Clinic of General and Clinical Pathology at UMHAT "St. Marina" - Varna by defining demographic characteristics, the relative share of different localizations and histological types do not differ from the data published by the National Cancer Institute, which shows the representativeness of the data from only one institution. Two of the publications included as equivalent to monographic works are in the field of diseases of the gastrointestinal tract. An autopsy case of attenuated familial adenomatous polyposis with multiple metastases to lung, liver and brain, presented in vivo based on imaging methods and concomitant chronic obstructive pulmonary disease as primary lung cancer, is presented. The authors point out the need for a more comprehensive examination of patients in case of refusal or inability to perform a biopsy. The second case considers an atypical course, more than 6 months old, of Trousseau syndrome in pancreatic carcinoma, clinically manifested by thrombophlebitis of the abdominal veins except the lower extremities and massive pulmonary thromboembolism, leading to death. A rare case of mandibular ameloblastoma with lung metastases has been reported. It includes a detailed description of the immunohistochemical profile of the tumor, the clinical picture and the therapeutic behavior.

The total number of points from all publications is 163.45 with a required minimum of 100 points. **Criterion B of the minimum requirements for holding the academic position of "Associate Professor", according to Law on Development of the Academic Staff in Republic of Bulgaria is met.**

From the 9 publications mentioned by Dr. Dzhenkov, referenced and indexed in world databases (SCOPUS and WEB of Sciences), I accept publications with numbers: 1, 2, 3, 4, 5, 6, 7, 9 from the list of minimum requirements for meeting of criterion G. There is no evidence for the article under № 8 - Magnetic resonance diffusion and perfusion for differentiation and evaluation of the extent of diffuse glial tumors with authors P. Georgiev, B. Balev, M. Novakov, L. Marinova, S. Andonova, D. Dzhenkov, D. Hadjiev, published in Roentgenology and Radiology 2014;3:176-186. Only a summary is attached. My acquaintance with the full-text publication is from the Library of MU-Varna, it is referenced in Scopus.

Out of the unreferenced articles to meet the minimum requirements for criteria G, I acknowledge all of the 12 articles included in the list, as well as the article under № 1 - Morphological and histochemical study in gastric carcinoma in young person by M Tzaneva, D. Dzhenkov, K. Ivanov, published in Trakia Journal of Sciences 2009; 7 (suppl 1):46-49, which is not listed but is available as evidence.

The number of points from the publications referenced in the world-renowned databases is 111.02, which together with the points from the non-referenced journals, which are 92.07, makes a total of 203.09, thus **criterion G of the minimum requirements for the academic position "Associate Professor", according to the Law on Development of the Academic Staff in the Republic of Bulgaria is fulfilled (minimal number of points is 200).**

Dr. Dzhenkov has a total of 42 citations: 34 citations in scientific journals, referenced and indexed in world-renowned databases, 2 citations in monographs and collective volumes with peer-review and 6 citations in non-referenced journals (Academic reference for citations from MU-Varna from foreign and Bulgarian authors № 512 from 03.08.2020). The necessary citations to meet the minimum scientometric requirements for the academic position of "Associate Professor" are met by 3 citations in scientific journals, referenced and indexed in a world-renowned databases and 1 citation in a journal with scientific peer-review with which **criterion D is met.**

There are 15 scientific reports without it being clear which are from national and which from international forums.

The topics of the publications are in several areas:

- diseases of the nervous system, mainly in the field of tumors of the nervous system with an emphasis on glioblastoma multiforme;
- research related to the preparation of cell blocks and the possibilities for application of immunocytochemical research in order to improve the diagnostic and therapeutic process.
- studies related to the possibilities of different types of techniques for video documentation and its application in the educational process and as evidence in pathological and forensic practice.

A significant part of the candidate's publications is devoted to rare clinical cases with different localization, with a review of the literature and with a proposed diagnostic and

immunohistochemical algorithm in different cases, which shows the rich experience of Dr. Dzhenkov in routine practice.

In the list of printed full-text publications outside of the scope of those indicated for meeting the minimum requirements for holding the academic position of “associate professor”, there are 3 more publications with presented evidence, which I accept.

Out of a total of 36 publications, Dr. Dzhenkov is the first author in 2 (5.6%) of them.

III. Evaluation of the contributions of the scientific works of Dr. Dzhenkov, MD

The report on the contributions of the scientific works and the self-assessment of Dr. Dzhenkov in connection with his participation in the competition for associate professor testify to the wide range of his scientific and diagnostic interests and his ability to work in a team. His scientific contributions in the field of tumors of the nervous system are original and the most significant ones. Dr. Deyan Dzhenkov uses morphological, immunohistochemical and statistical methods, which are a guarantee for obtaining original results in the complex issues of tumor pathology. He studied and compared the demographic characteristics, frequency and histological types of many primary and metastatic brain tumors in Bulgaria and Brazil. According to the authors, significant differences are found between the two studied populations, which are due to ethnic differences.

The research in the field of the digestive tract is of an applied science and systematic nature. It has been proven that diffuse gastric carcinoma originate from a stem cell with a multiple line of differentiation and may acquire a neuroendocrine phenotype as the tumor progresses. It has been found that diffuse gastric carcinoma is prevalent in patients less than 45 years of age, and precursor lesions characteristic of hereditary gastric carcinoma are often found adjacent to the tumor.

The research related to the preparation of immunocytochemical preparations of cell blocks in order to improve the pathohistological diagnosis is of an applied nature. The studies on the possibilities of different types of video documentation techniques are of a similar nature.

IV. Evaluation of the participation in the scientific-teaching activity of Dr. Dzhenkov, MD

Dr. Dzhenkov is an established long-standing lecturer in General and Clinical Pathology. Based on the reference of the lecture workload it is clear that he meets the annual total workload of 220 hours and conducts exercises in Bulgarian and English. In the last four years he has been

systematically lecturing on General Pathology to Bulgarian speaking students and selected lectures on General and Clinical Pathology to students of the program taught in English. He participates in the preparation of exams for students of medicine and dentistry. In order to improve the quality of his academic teaching, Dr. Dzhenkov has completed two pedagogical courses (Certificate SDO-99-296/12.07.2012 and Pedagogical foundations of academic teaching under project BG051R0001-3.1.09-0013). He shares his experience in the field of non-tumor and tumor pathology with the specialists from the Clinic of General and Clinical Pathology and actively participates in their training. He is the supervisor of the specialization of Dr. G. Stoyanov, he is the head of a scientific project and participates in the project "Transcriptomic analysis of cells in the central nervous system of humans in neuropsychiatric disorders".

V. Comprehensive assessment of the teaching and research activities of the candidate.

Dr. Deyan Dzhenkov successfully acquired a specialty in "General and Clinical Pathology", defended his dissertation and acquired educational degree "Doctor of Science" in "Pathology and Cytopathology", an author and a co-author of 36 publications, 11 of which are equivalent to a monograph. According to the official reference from MU-Varna, the lecture workload of Dr. Dzhenkov exceeds the norms for non-habilitated persons (Certificate 099-2296 / 24.07.2010). I have known Dr. Dzhenkov for 13 years and throughout the period of our joint work Dr. Dzhenkov shows dedication in teaching and precision in his diagnostic work. As an administrative assistant at the Department of General and Clinical Pathology he acquired organizational and teamwork skills. In the last two years he has been actively involved in the organization of the European School of Pathology in Varna.

VI. Critical notes

1. There is a discrepancy in the submitted documentation between the list of publications to meet the minimum requirements for associate professor and the evidence.
2. There is no evidence in one of the articles.
3. No list of articles with impact factor is presented.

Conclusion

The materials presented by Dr. Deyan Lyudmilov Dzhenkov, MD in the competition give me a reason to think that according to the Law on the Development of Academic Staff in the Republic of Bulgaria, the Regulations for Implementation of the Law on the Development of Academic Staff in MU-Varna, the candidate meets the conditions for the academic position of "Associate Professor" Clinical pathology. I recommend to the esteemed Scientific Jury to award Dr. Deyan Lyudmilov Dzhenkov, Doctor of Pathology and Cytopathology, the academic position "ASSOCIATE PROFESSOR" in the professional field 7.1. Medicine (General and Clinical Pathology) for the needs of the Department of General and Clinical Pathology, Forensic Medicine and Deontology at the Medical Faculty of MU - Varna.

Varna

Prepared the standpoint:

08.10.2020

/ Prof. Maria Angelova Tzaneva MD /