



REVIEW

From Prof. Dr. Nikoleta Ivanova Traykova, MD

Head of Department of Diagnostic Imaging

UMHAT "St.George" Plovdiv; Medical University - Plovdiv

External Member of the Scientific Jury

Determined for the preparation of a review **by Order No. 147/24.03.2023**
of the Executive Director of MHAT "NHH" ; LTD /NHH/

Research specialist: Diagnostic Imaging

Institution: UMHAT "St. George" Plovdiv; MU Plovdiv

Regarding: participation in a competition for the academic position of
"ASSOCIATE PROFESSOR"

From the field of higher education 7.Healthcare and sports, professional
direction 7.1.Medicine in the specialty "Medical roentgenology and
radiology" for the needs of the Department of Diagnostic Imaging at the
Medical Center "NHH" LTD Sofia, announced in the State Gazette number
23/14.03.2023

One candidate submitted documents for participation in the competition:
Ch.Assistant Svetla Emilova Dineva, MD, PhD

The candidate has submitted the necessary documents, in accordance with
the requirements of the law on the development of the academic staff in the

Republic of Bulgaria and the Rules for its application for employment at JSC "Associate Professor".

I. Analysis of the candidate's career development

Dr. Svetla Dineva graduated from Plovdiv Medical University in 2009. She specialized in imaging diagnostics for the period June 2011 - June 2015 at Diagnostic Imaging Department of UMHAT "Alexandrovska" Sofia. From March 2010 to March 2014 she was a PhD student in Diagnostic imaging at the Medical University of Sofia and during this period from April 2010 to February 2011 she worked as a deputy at GP practice in XXXVIII DKC "Medic 28" Sofia. From March 2011 to February 2012 as a resident physician in Diagnostic imaging Department at "Alexandrovska" University Hospital, Sofia. On 11.07.2014, she defended her dissertation on "Modern implications of positron emission tomography and computed tomography in secondary malignant bone dissemination" and obtained the educational and scientific degree "Doctor". Between February 2012 to February 2016, she held the academic position of "Assistant", and since June 2016, she is in academic position of "Chief Assistant" at the Department of Diagnostic Imaging at UMHAT "Alexandrovska" LTD Sofia,

In January 2016, she acquired the specialty "Imaging diagnostics", and since March of the same year she is a specialist in Invasive imaging diagnostics - I level and Interventional radiology - II level. Since 2020, she is the Head of the Diagnostic Imaging Department at the National Heart Hospital, Sofia. The same year, from January to October, she underwent continuing medical training in nuclear medicine at the Sofia University, and on 5th of October 2020, she obtained the European Diploma in Radiology /EDiR/. From December 2022, Dr. Dineva is a Master in Health Management at the Burgas Free University.

Dr. Svetla Dineva underwent numerous additional qualifications, trainings and specializations, both in Bulgaria and abroad: in vascular and non-vascular interventional radiological procedures in Brno, Rotterdam and Heraklion. He is a member of the Bulgarian Association of Radiology /BAR/, of the Bulgarian

Society of Interventional Radiology, of the European Society of Radiology /ESR/ and of the European Cardiovascular Society interventional radiology.

Fluent in written and spoken English and German.

II. General description of the submitted materials for the competition

The candidate submits the necessary complete set of documents in time and according to the requirements of Chapter III, Section Three of the Regulations on the Terms and Procedures for Acquiring Scientific Degrees and Occupying Academic Positions at MHAT "NHH" LTD. The set includes documents certifying the academic development and experience of the candidate, the study load; diplomas for: completed higher education, recognized specialty "Diagnostic Imaging"; certificates of acquired professional qualifications "Interventional radiology" - first and second level; European Diploma in Radiology; diploma for educational and scientific degree "Doctor"; as well as documents certifying the scientific activity.

III. Evaluation of scientific works and publications of the candidate for the overall academic development

The total number of scientific works of Dr. Svetla Dineva is 39 and includes:

- Before acquisition of ESD "Doctor" - 19 articles
- After obtaining the educational and scientific degree "Doctor" and occupying the position of "Chief Assistant" at the Department of Diagnostic Imaging at the Medical University of Sofia, Dr. Dineva published 20 articles:
 - o Of them in magazines with Impact Factor – 7
 - o In refereed and indexed journals in world-famous databases with scientific information (Scopus and Web of science) – 5
 - o The rest in non-refereed editions
- Dr. Dineva also presents numerous reports delivered at international congresses and conferences, published in full - ESR, EPOS, ESPR, ECMP, AEPC, BCR, MLAVS

The candidate's scientific works present independent developments of studies of modern medical-diagnostic problems. Dr. Dineva works actively with various author groups, which is a reflection of her scientific interest in various fields, namely: cardiovascular imaging (8 publications), oncological imaging (8 publications), incidental findings in imaging (3 publications), hybrid imaging diagnostics (2 publications), review articles (4 publications), radiation exposure of patients, transient imaging-diagnostic studies (2 articles), direction of embryonic development and rare anatomical variants (2 publications).

Dr. Dineva works on various areas of imaging, the main ones being cardiovascular and oncological imaging:

- Dr. Dineva has been dealing with cardiovascular pathology since 2010. Publications in this area are related to urgent life-threatening conditions; different options in development; congenital heart malformations as an isolated manifestation or combined multiorgan anomalies. Dr. Dineva optimizes the imaging protocols of patients with inter-atrial defects, which achieves a complete match with instrumental methods. It optimizes computed tomography studies, on the basis of which 3D models of malformative cardiovascular changes can be prepared, which is a comfortable way for the operator to familiarize himself with the patient's pathology. Over the years, Dr. Dineva has actively assisted clinicians from various specialties in various studies related to the exclusion of the varieties of pulmonary venous drainage in heart rhythm-conduction disorders, as well as the importance of the varieties of the inferior vena cava in gynecological oncological surgery.

- A large part of Dr. Dineva's scientific research is in the field of oncological imaging. She is the author of the country's first dissertation on the then innovative hybrid PET-CT equipment. The publications that Dr. Dineva realized with her colleagues from the Nuclear Medicine Clinic of the "Alexandrovsk" Hospital represent the first steps of the Bulgarian teams with the method and are of great importance for its subsequent implementation, the optimization of the protocols, recognition of the sources of errors and optimal preparation

of patients during the study. Dr. Dineva published 2 developments in the field of hybrid imaging in patients who do not have oncological diseases.

– Dr. Dineva also has two publications related to interventional imaging diagnostics, as a representative of the country's small group of interventional radiologists.

- There are also participations in studies on radiation exposure in patients with peripheral vascular disease who underwent CT-angiography, as well as in endovascular and hybrid revascularization in the aortoiliac segment.

Dr. Dineva meets the mandatory conditions and scientometric indicators under Art. 2b, paras. 2 and 2 and the requirements under Art. 2b, para. 5 of the of the law on the development of the academic staff in the Republic of Bulgaria for occupying AT "Associate Professor" : total number of points for Group B - 197, at required 100; total number of points for group D - 203, with the required 200.

Regarding the citations - the reference from the CML /Central Medical Library/to the Sofia University shows 4 citations in Bulgarian sources from the library collection of the CMB; 4 citations in Scopus foreign sources; 4 citations in foreign Web of Science sources and 2 in other foreign freely available sources online.

IV. Complex evaluation of the teaching-methodical and teaching activity

Dr. Svetla Dineva has been a teacher since 2011. Dr. Dineva's general teaching activity and teaching workload includes teaching medical students in Bulgarian and English - lectures and exercises; training of specialists in imaging diagnostics - lectures in the main course and supervisor of the specialization; individual trainings of neurology specialists; lectures in basic courses of other specialties – cardiology, pediatrics. Dr. Dineva participates in examination committees of IV year medical students and carries out practical and theoretical classes with specialists from the Department.

Reference from the Academic Department at the Dean of the Ministry of Finance at the Sofia University for general classroom employment for the education of students in Bulgarian and English and CME:

- 2020-2021 year 381 study hours;
- 2021 – 2022 year 374 study hours;

Training of specialists in imaging diagnostics:

- 2020 – a total of 1512 study hours;
- 2021 – a total of 1260 study hours;
- 2022 – a total of 1449 study hours;
- 01/01/2023 – 04/30/2023 – 786 study hours;

V. Criticisms and recommendations: I have no criticisms and recommendations.

VI. Conclusion:

Dr. Svetla Dineva, PhD, meets the mandatory conditions and scientometric indicators under Art. 2b, para. 2 and the requirements under Art. 2b, para. 5 of the ZRASRB, as well as the Regulations on the conditions and procedures for acquiring scientific degrees and occupying the academic positions in the MHAT "NHH" LTD.

I have known Dr. Dineva for many years and have followed her scientific, academic, professional and personal development. Scientific indicators, active teaching and learning activity, as well as the contributions of Dr. Dineva meet the requirements, according to the law on the development of the academic staff in the Republic of Bulgaria.. In connection with the above, I give my positive assessment and propose to the members of the respected Scientific Jury to vote and award Dr. Svetla Emilova Dineva PhD the academic position "Associate Professor".

August 7-th, 2023
Plovdiv

Signature:

Prof. Dr. Nikoleta Ivanova Traykova, MD, PhD

