Scientific opinion

On the competition for occupation of the academic position of "ASSOCIATE PROFESSOR" in the scientific specialty "Clinical Laboratory" in the field of higher education 7. "Health and Sports" in the professional field 7.1 "Medicine", for the needs of the Clinical Laboratory at the National Heart Hospital – Sofia, announced in the State Gazette No.61 / 02.08.2019

With one candidate

Dr. Dobrinka Dineva Savova, MD

Senior Assistant at the Dpt of Clinical Laboratory of the MHAT- National Heart Hospital.

By assoc. prof. Milena Georgieva Velizarova, MD, PhD

Dpt of Clinical Laboratory, Medical Phaculty, Medical University-Sofia, Member of scientific jury, appointed by order N411/14.10.2019.

I. General description of the submitted documents for the competition.

The application of only one candidate dr. Dobrinka Dineva Savova, was submitted on paper or in electronic form for participation in the competition.

The applicant has submitted all the necessary documents and supporting materials in accordance with the requirements for participation in a contest under the Law on the Development of Academic Staff in the Republic of Bulgaria and the Rules for the Conditions and Procedures for Acquiring Degrees and Occupation of Academic Positions at the National Heart Hospital.

II. Analysis of the applicant's career profile.

Dr. Dobrinka Dineva graduated from the Medical Academy-Sofia with a Master's degree. She has held the academic positions of "III degree researcher" at the National Center for Cardiovascular Diseases and Rehabilitation since 1991., "II degree researcher" at the NCCVDR since 1997, and since 2009 she has been the Senior Assistant at the Clinical Laboratory of the MHAT "National Heart Hospital". Dr. Dineva has a recognized specialty in Clinical Laboratory since 1997. She obtained her PhD degree in 2013 after successfully defending her doctoral thesis "Monitoring of platelet activity by impedance aggregometry in the treatment of clopidogrel and / or aspirin in high-risk patients with coronary artery disease".

III. Assessment of the academic work for overall academic development.

Dr. Dineva presented a total of 15 articles in Bulgarian scientific journals, 5 of them are published in Bulgarian refereed and indexed (Scopus and Web of science) journals, and 10 - in Bulgarian non-refereed journals with scientific peer-review or abstracts. In 3 scientific publications she is single or the first author (20%), in 5 (33%) she is the second co-author. Citations from Bulgarian and foreign authors are 27 in total.

Dr. Dineva has published an independent monograph entitled "Biology and function of platelets, functional tests and their application in clinical practice for evaluation of platelet response" (128 pages), as well as published 3 chapters in collective monographs. The habilitation work examined in detail the physiology of platelets, their basic functions in their participation in hemostasis, as well as impaired platelet function - congenital and acquired. The various types of platelet functional tests, which were initially used to diagnose coagulation disorders, are now applicable to monitor antiplatelet therapy and to predict thrombotic and bleeding risk. Dr. Dineva has summarized 10 years of clinical laboratory experience in monitoring of antiplatelet therapy and concluded that platelet aggregation studies with ADP test, ASPI test and TRAP test are very useful for controlling adequate perioperative hemostasis.

The scientific topics of Dr. Dineva's doctoral thesis and in many publications discussed the application of impedance aggregometry in the response monitoring of antiplatelet therapy in patients with coronary artery disease: identifying the relationship between high platelet residual activity and clinical outcome and different practical approaches to optimize therapy to reduce ischemic and hemorrhagic complications. In a study of residual platelet activity, Dr. Dineva found that patients, who were poorer responders to clopidogrel therapy, had a higher incidence of