



To
The chairman of the scientific jury,
determined by Order № 308 / 22.07.2021
of the Executive Director of the
National Heart Hospital

Standpoint

By

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head of the Department

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concerning a competition
for "**Associate Professor**" in the field of higher education 7, "Health and Sports",
professional field 7.1 "Medicine" in the specialty "Cardiology" for the needs of
"Clinic of Cardiology" announced in state newspaper no. 45 of 28.05.2021

The opinion was prepared in accordance with the Academic Staff Development Act (ASDA), the Regulations for the Implementation of the Academic Staff and the Regulations on the Terms and Conditions for Acquisition of Scientific Degrees and Occupation of Academic Positions at the NHH.

All the necessary documents for the competition were provided by the only candidate Dr. Iliyana Hristova Petrova-Stoyanova. The competition procedure has been followed.

1. Biographical data:

Dr. Iliyana Hristova Petrova-Stoyanova graduated in medicine in 2005 at the Medical University - Sofia. Since 2006 currently works at the NHH as an assistant. She acquired a specialty in cardiology, and subsequently a qualification in invasive cardiology, where she currently works. Fluent in French and English.

2. General description of the submitted materials in the competition:

The following scientific papers are presented in this competition:

- Publications;
- Abstracts of scientific forums;
- Monographs - one independent;
- Abstract of the dissertation;
- Chapters in books and monographs - six;

3. Evaluation of scientific works for the overall academic development:

Dr. Petrova presents a total of 60 publications in foreign and Bulgarian journals and participations in congresses, distributed as follows:

- Monographic work-1 (one);
- Publications in Bulgarian journals -11 (eleven);
- Books-6 (six);
- Abstracts from international forums-25 (twenty-five);
- Abstracts from Bulgarian forums-17 (seventeen)

The publishing activity is related to the following areas - contrast-induced nephropathy; invasive cardiology; acute coronary syndromes - risk factors, prognosis and interventional treatment; arterial hypertension and other cardiovascular risk factors; heart failure and others.

Regarding contrast-induced nephropathy, Dr. Petrova examines epidemiology, pathophysiological mechanisms of development, lack of treatment and prevention. A detailed functional description and risk profile of these conditions is made. Dr. Petrova shares her analysis on the application of different hydration regimens. For the first time in Bulgaria a new renal biomarker is introduced - Neutrophil Gelatinase Associated Lipocalin and its own experience is presented. Regarding the field of "Invasive Cardiology" deals with the occurrence of MACCE, the frequency of restenosis in the application of BIOSS, the treatment of pulmonary

thromboembolism by topical application of fibrinolytics, rotational thrombus fragmentation, catheter thrombaspiration as an alternative to systemic. Regarding the Acute Coronary Syndrome - Dr. Petrova's interests are mainly focused on interventional treatment of STEMI. With regard to arterial hypertension, it deals with risk factors, poor control of blood pressure and its effect on dementia. In the field of "Heart Failure" - the work of Dr. Petrova is related to the treatment and search for new biomarkers in patients with cardiovascular disease.

The monograph "Contemporary aspects of contrast-induced nephropathy in cardiology" treats a very current problem of contrast-induced nephropathy in the field of invasive cardiology. It is considered in many ways - with the experience of an interventional cardiologist and from the point of view of nephrological practice. The various definitions known in the literature, as well as their impact on the accumulated epidemiological data, are briefly and clearly considered. The role of the contrast agent is considered, as well as the fact that other hemodynamic factors are of great importance. Based on the accumulated literature data in invasive cardiology, the presented monograph analyzes other renal biomarkers that may be important for early diagnosis of CIN. The monographic work provides a comprehensive interdisciplinary approach to the problems of CIN on the basis of nephrological knowledge and established cardiological practices.

4. Teaching activity:

The study load of Dr. Iliyana Hristova Petrova-Stoyanova is 250 hours per year. Teaching activities include lectures, exercises. She participates in thematic courses for cardiologists and trainee doctors.

5. Professional assessment:

I have known Dr. Petrova for a long time and I think that she is a complete cardiologist, combining the skills of a non-invasive and invasive cardiologist, with more than 12 years of experience. Certificates for invasive cardiologist are presented. She is a member of the national societies of cardiology and invasive cardiology.

6. General assessment of the candidate's compliance with the national minimum scientometric requirements according to the ASDA from 2018, as well as compliance with the mandatory conditions and scientometric criteria of the regulations of MU-Sofia:

Dr. Petrova meets all the mandatory conditions of the regulations of MU-Sofia for borrowing AD "Associate Professor".

According to the updated national minimum scientometric requirements according to the ASDA from 2018, Dr. Petrova also meets the conditions for AD "Associate Professor". Its total assessment is 614.35 points, with minimum requirements of 400 points.

Minimum required points by groups of indicators for the academic positions "Associate Professor" and "Professor" according to the ASDA from 2018.

Group of indicators	Content	Associate Professor (Points)	Professor (Points)	Dr Iliyana Hristova Petrova-Stoyanova, PhD (Points)
A	Indicator 1	50	50	50
B	Indicator 2	-	-	
C	Indicators 3 or 4	100	100	100
D	Sum of indicators from 5 to 9	200 (160 for professional direction 7.6)	200 (180 for professional direction 7.6)	389.35
E	Sum of indicators from 10 to 12	50	100	75
F	Sum of indicators from 13 to the end	-	100 (80 for professional direction 7.6)	-
Total points		400		614.35

7. Conclusion:

The small number of real publications of the candidate is impressive, but nevertheless evaluating the qualities of Dr. Iliana Hristova Petrova-Stoyanova, as well as the conditions of ASDA and the Regulations for application of ASDA of MU-Sofia, I believe that it fully meets the requirements for holding the academic position of "Associate Professor", for which I vote positive.

22.08.2021

Signature:

/Prof. Constantin Nikolov Ramshev, DM, PhD/