



STANDPOINT

on behalf of Prof. Dr. Nikolay Margaritov Runev, PhD,
Cardiology Department at the Clinic of Propaedeutics of Internal Medicine
"Prof. St. Kirkovich " - University Alexandrovska Hospital,
Medical University - Sofia

Subject: Competition for the academic position of "Associate Professor" in the professional field 7.1. "Medicine" and scientific specialty "Cardiology", announced in the State Newspaper, issue 45/28.05.2021 for the needs of the Cardiology ward, Clinic of Cardiology in MHAT "NKB" - Sofia

Order No. 308 of July 22, 2021 of the Executive director of MHAT "NKB" for appointment of a scientific jury

One candidate has been admitted to the announced competition for "Associate Professor" in Cardiology: Dr. Iliyana Hristova Petrova-Stoyanova, PhD, Assistant-professor in Clinic of Cardiology, MHAT "NKB" - Sofia.

The applicant has submitted all the documentation necessary for the preparation of the standpoint, in accordance with the requirements.

I. Research activity

Dr. Iliyana Petrova has presented **an author's report** for accordance and implementation of the minimum national requirements (MNR) for "Associate Professor", including publications, citations and research activities:

✓ Dissertation work for awarding the Educational and Scientific Degree (ESD) "Doctor" in 2020 - "Study of renal function in patients undergoing invasive angiographic examination with a new biomarker - Neutrophil Gelatinase Associated Lipocalin (NGAL)": **group A = 50 points (MNR - 50 p.)**

✓ Habilitation work - **Monograph**: I. Petrova. "Modern aspects of contrast-induced nephropathy in cardiology". Arbilis Publishing - Sofia, 2021. p. 295, ISBN: 978-619-7063-47-9. In print: **group B = 100 points (MNR - 100 p.)**

✓ Publications and reports in scientific journals, referenced and indexed in worldwide databases with scientific information: **gr. D7 = 135.85 points**

✓ Publications and reports in non-peer-reviewed journals with scientific review or in edited collective volumes: **gr. D8 = 143.5 points**

✓ Published chapters of a collective monographs: **gr. D9 = 110 points**

Total number of points in group D = 389.35 points (MNR - 200 p.)

✓ Citations or reviews either in scientific journals, referenced and indexed in worldwide databases with scientific information or in monographs and collective volumes: **gr. E10 = 30 points**

✓ Citations or reviews in in non-peer-reviewed journals with scientific review: **gr. E12 = 45 points**

Total number of points in group E = 75 points (MNR - 50 p.)

Total number of points in groups A, C, D and E = 614.35 points (MNR - 400 p.)

A report from CML to MU-Sofia is presented for a **total number of citations 11**, of which in Bulgarian scientific journals - 10 and in foreign scientific editions– (Web of Science) - 1.

The main contributions of Dr. Petrova`s scientific work are in the following areas:

1. Contrast-induced nephropathy

✓ For the first time in our country a new biomarker for assessment of renal function has been introduced in clinical practice - Neutrophil Gelatinase Associated Lipocalin. After calibration, clarification of the coefficients of variation and standardization of the method, the first pilot study was performed in patients after planned contrast angiography.

✓ The role of NGAL as a biomarker of renal impairment has been analyzed in the field of invasive cardiology, cardiac surgery and critically ill patients. The hopes that the "kidney troponin" has been discovered make NGAL the most up-to-date and studied biomarker in recent years.

✓ An innovative approach for risk stratification of patients has been introduced by integrating plasma NGAL into a risk scale for assessment of the severe renal dysfunction.

✓ The role of NGAL as an early biomarker for diagnostics of contrast-induced nephropathy has been proved both in patients with preserved renal function and in those with chronic kidney disease.

✓ For the first time in Bulgarian patients population the relationship between plasma levels of NGAL and persistent renal dysfunction after coronary angiography has been demonstrated (monograph).

2. Innovative interventional methods

✓ A new generation drug-eluting stent (BIOSS) has been introduced and