



# Standpoint

By professor Anna Ivanova Kaneva-Nencheva, MD, PhD.

*Head of Pediatric Cardiology Clinic in the National Heart Hospital, Sofia*

Member of the Scientific Jury appointed by order № 308/22.07.2021 (protocol №19 от 29.06.2021) for competition for the academic position "Associate professor" in the field of higher education 7 "Healthcare and sport", professional direction "Medicine", scientific specialty "Cardiology" for the needs of the Department of Cardiology, announced in state newspaper N 45/28.05.2021.

The present standpoint is prepared according to the Law for development of the academic staff of Republic of Bulgaria, the application rules of the Law for development of the academic staff and the regulation rules of the National Heart Hospital for the acquisition of the academic position "Associate professor". I have no conflict of interest participating in the present Scientific Jury.

In this competition, the only regular documents were submitted by the single candidate Dr Iliyana Hristova Petrova-Stoyanova, MD, PhD.

**Professional development:** Dr. Iliyana Petrova graduated in medicine at the Medical University, Sofia in 2005. Since 2006, after a competition, she has been working as an assistant at the Cardiology Clinic of the National Heart Hospital.

Dr. Petrova has a recognized specialty in cardiology in 2013 and a certificate of professional qualification in invasive cardiology in 2013.

In 2020, Dr. Iliyana Petrova successfully defended a dissertation for the award of educational and scientific degree "Philosophy Doctor" in the scientific specialty of cardiology, on topic of "Study of renal function in patients undergoing invasive angiographic examination with a new biomarker - Neutrophil Gelatinase Associated Lipocaline (NGAL)".

**Language skills:** Dr Petrova speaks fluently English and at a good level French.

**Educational and teaching activities:** Dr. Petrova participates in the teaching and learning activities of medical students and doctors specializing in cardiology, leads courses in theoretical and practical training of students studying in kinesitherapy and rehabilitation. The average teaching activity for the last 5 years is over 250 hours per year. Presenting lectures on contemporary topics at a number of scientific forums and congresses, Dr. Petrova contributes to the improvement of professional qualification and scientific knowledge among general practitioners and cardiologists.

**Scientific research activities:** In this competition, Dr. Petrova participated with a dissertation, 4 publications related to the dissertation, an independent monograph, as well as 11 real publications and 6 chapters in books with collective monographs. In 10 of them, she is the first (sole author), in 3 - second and in the other third or subsequent author. In the reference issued by the Central medical library, the publications of Dr. Petrova have been cited by 10 Bulgarian sources and once in the Web of Science database.

Dr. Petrova's research interests are mainly related to invasive cardiology and interventional treatment, as well as contrast-induced nephropathy. Various aspects of coronary heart disease, pulmonary thromboembolism, features of hemodynamics and medical treatment of heart failure are discussed in the publications and scientific activity. Of particular interest with published own data are developments in the application of intracardiac ECG to assess myocardial ischemia during percutaneous interventions; the results of implantation of a special bifurcation stent BLOSS; assessment of risk factors, prognosis and interventional treatment of acute coronary syndrome; results after interventional treatment of multivessel coronary heart disease; specific treatment of pulmonary thromboembolism by catheter fragmentation.

Dr. Petrova's monograph "Contemporary Aspects of Contrast-Induced Nephropathy in Cardiology" examines one of the main complications associated with the widespread distribution of invasive cardiology in recent years. It provides an in-depth analysis of global data and the results of randomized trials related to the etiology, pathogenesis, risk factors, recent methods of diagnosis, prevention and long-term consequences of contrast-induced nephropathy. Additionally, own data from patients undergoing angiographic examination and their long-term outcomes of follow-up are presented. The special attention is paid on the need of development and introduction of the new biomarkers for early diagnosis of contrast-induced nephropathy, among which the leading role is played by NGAL. Results from our own research are presented in this direction as well. The monograph fills a gap in the modern medical literature and is a useful guide for cardiologists, nephrologists, interventional radiologists and others.

**Scientific activity.** Dr. Petrova presents a list of 32 participations in national and international conferences and congresses, with published abstracts in the national and international periodicals journals and is the first author in 9 of them.

Dr. Petrova is a member of the Bulgarian Society of Cardiology, the Bulgarian Society of Interventional Cardiology, European Society of Cardiology, European Association of Percutaneous Cardiovascular Interventions (EAPCI), and Association for Acute CardioVascular Care (ACVC). She is a reviewer in the journal Renal Failure in 2019 and 2020.

From the attached reference as well as the tables for implementation of the National Minimum Scientometric Criteria, Dr. Iliyana Petrova-Stoyanova meets the