

## SHORT REVIEW

by Prof. Dr. Krasimir St. Vizev, PhD, DMSc

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External member of the Scientific Jury

According to the order of the Rector of Sofia University "St. Kliment Ohridski" № RD-38-43 / 20.01.2022 under a competition for the academic position of „Professor” in the field of higher education 7. Healthcare and sports in a professional field 7.4. Public Health (Social Medicine) for the needs of the Medical Faculty of Sofia University "St. Kliment Ohridski", published in the State Gazette, number 96 of 19.11.2021

Subject: Research, teaching and teaching activities of Assoc. Prof. Diana Krasteva Ivanova, PhD

The documents and scientific papers submitted by the candidate meet the requirements for participation in the competition, as the procedure is fully compliant with the requirements of the Law on the Development of Academic Staff in the Republic of Bulgaria and the Regulations for its implementation in Sofia University "St. Kliment Ohridski".

One candidate is participating in the current competition - Assoc. Prof. Diana Krasteva Ivanova, PhD - Department of Neurology, Psychiatry, Physiotherapy and Rehabilitation, Preventive Medicine and Public Health at the Medical Faculty of Sofia University "St. Kliment Ohridski".

**Educational qualification and professional development:** Diana Ivanova was born in 1975 in Sofia. In 1996 she graduated from the Medical University - Sofia, Medical College with a degree in Nursing - General profile. Diana Ivanova has completed a bachelor's degree in Social Pedagogy and a professional qualification of Teacher at the Faculty of Social Sciences at Sofia University "St. Kliment Ohridski", educational-qualification degree "Master" in the specialty "Social pedagogy" and professional qualification "Master in social pedagogy, pedagogue" in FNPP of Sofia University "St. Kliment Ohridski", educational-qualification degree "Master" in the specialty "Preschool and

primary school pedagogy "and professional qualification" Master in primary school pedagogy "in FNPP of Sofia University" St. Kliment Ohridski ".

She also worked at the Queen Joanna University Hospital as a nurse in the Emergency Department of the Eye Department, and since 1997 at the Lozenets University Hospital in the Intensive Care Unit of the Cardiology Clinic and the Cardiac Surgery Clinic. Since 2010 he has been working at the Medical Faculty of Sofia University "St. Kliment Ohridski "as a lecturer in Social Medicine and Organization of Health and Pharmacy (nursing), and technical secretary of the Department of Neurology, Psychiatry, Physiotherapy and Rehabilitation, Preventive Medicine and Public Health at the Medical Faculty of Sofia University" St. Kliment Ohridski "- Sofia. She is a regular member of the Bulgarian Association of Healthcare Professionals.

Assoc. Prof. Diana Ivanova obtained the educational and scientific degree PhD in Social Medicine and Organization of Health and Pharmacy in 2014, based on the defense dissertation "Organizational model for nursing care in patients with acute myocardial infarction" in Faculty of Public Health "Prof. Dr. Ts. Vodenicharov, PhD, DMSc, Medical University, Sofia. From the same year he held the academic position of Associate Professor in the professional field 7.4. Public health / Social medicine / at Sofia University "St. Kliment Ohridski "- Faculty of Medicine.

From 2019 until now he is Deputy Dean of the Medical Faculty of Sofia University "St. Kliment Ohridski ".

The total length of service currently amounts to 25 years, including length of service in the specialty as an associate professor in the professional field 7.4. Public health / Social medicine / - 7 years.

**Research activity:** For participation in the competition Assoc. Prof. Ivanova presents two monographs "Organizational aspects of hospital treatment in patients with acute myocardial infarction" and "Medico-social factors in patients with ischemic heart disease"; two university textbooks:

- Textbook of nursing - Planning, preparation and organization of research on the cardiovascular system;
- Nursing textbook - Theoretical aspects of nursing education.

Total number of publications in scientific journals submitted for the competition - 39, of which 26 publications are independent authors, 13 are co-authors (7 are first authors). 23 reports were presented at scientific forums,

congresses and conferences. Dissertation on the topic: Organizational model for nursing care in patients with acute myocardial infarction.

**The candidate's research output covers** a wide range of topics in the following areas of public health:

- Socio-medical direction,
- Organizational priorities of health care and
- Methods of vocational training.

She has published a total of 57 scientific publications, 45 reports at scientific forums, congresses and conferences. From the reference for fulfillment of the minimum national requirements under art. 2b of (LDASRB) in the area of higher education 7. Healthcare and Sports, professional field 7.4. Public Health (Social Medicine) is found to significantly exceed the criteria set for the academic position of "Professor".

**Reflection of the candidate's publications in the national and foreign literature (publication image):**

Assoc. Prof. Ivanova is a project manager at Sofia University "St. Kliment Ohridski" on the topic "Determining the needs for care of patients with myocardial infarction" № 80-10-98 / 25.03.2021. A practical model has been developed that allows the implementation of an individual approach to care for patients admitted to hospital with a diagnosis of myocardial infarction. The organization of nursing care should allow nurses to plan and implement adequate care for the patient, depending on his general condition and individual needs in accordance with the urgency, intensity, preparation of the patient for invasive / or surgical / procedures and therapeutic treatment. The application of this model allows the students of the specialty "nurse" in real conditions to assess the needs of care and to develop an individual plan for nursing care. The use of portable computer devices and software developed for this purpose allow faster collection and storage of patient information, as well as the implementation of control by nursing teachers.

Participates in the Scientific Jury for PhD in 24 procedures; for academic position "Chief Assistant" 8; for "Associate Professor" in 13 and for academic position "Professor" in 1 procedure.

**Teaching activity** - Assoc. Prof. Diana Ivanova, PhD participates in the compilation and development of programs and curricula of curricula in specialized disciplines (fifteen in number) of the specialty "Nurse", Bachelor's degree at the Medical Faculty of Sofia University "St. Kliment Ohridski". From 2014 to the present Assoc. Prof. Ivanova, PhD carries out a group of students

majoring in "Nurse", Bachelor's degree in the following areas: Practical foundations of nursing "Philosophy and introduction to nursing"; Practical basics of nursing care - Nursing care for patients with somatic diseases; Nursing care at home; Nursing care for children and adults with disabilities.

A system for individual monitoring, assessment and control of the knowledge and skills of students majoring in "Nurse" during the training course in specialized disciplines - portfolio.

**The scientific works** of Assoc. Prof. Ivanova are in several main areas of public health.

**A.** Publications related to special nursing care for patients with cardiovascular disease (publications with № 1,2,3,4,8,15,19,20,30,31,33,36 and 39 of the list of publications presented for participation in the competition). This section deals in depth with an important aspect of her research, both in theory (publications and scientific communications) and in applied aspects (empirical research - descriptive and analytical). This section contains the following contributing elements: theoretical, empirical and practical in relation to public health. This is reflected in detail and analyzed in both of her monographs - "Organizational aspects of hospital treatment in patients with acute myocardial infarction" and "Medico-social factors in patients with ischemic heart disease."

**B.** Publications related to the theoretical foundations of nursing training (publications with № 6,21,22,24,29,32 and 35 from the list of publications submitted for participation in the competition).

**C.** Publications related to practical approaches to care - development of professional plans for nursing care (publications with № 7, 9, 11, 13, 16, 18, 23, 26,28,34 and 37 from the list of publications submitted for participation in competition).

**D.** Publications related to educational aspects (publications with № 5,10,12,14,17,25,27 and 38 from the list of publications submitted for participation in the competition).

The monograph "**Organizational aspects of hospital treatment in patients with acute myocardial infarction**" examines the organizational problems of health care in patients with acute myocardial infarction during hospital treatment. A medical and social characterization of the acute myocardial infarction and the need for urgent hospital treatment to control the life-threatening disease of the patient was made. The developed organizational model reflects the care needs of patients with acute myocardial infarction in different stages of hospital care - emergency, intensive, preoperative,

postoperative and therapeutic care. The dynamics of hospital treatment requires very good organization and management of health care to ensure quality health care for patients.

The monograph "**Medico-social factors in patients with ischemic heart disease**" examines and analyzes the medical and social factors that are the cause of the most common disease among the Bulgarian population ischemic heart disease. The monograph is especially relevant and significant due to the fact that the disease is primarily a cause of death in our country and is essential for the duration and quality of life of patients and their loved ones. The pathogenesis of arteriosclerosis, the medical and social characteristics of ischemic heart disease, the possibilities for improving the condition of patients by reducing or preventing risk factors are clarified. In the section own research are presented and analyzed results for morbidity in terms of gender, age, lifestyle, risk factors, heredity, blood pressure monitoring, survival of hypertensive crisis, seasonality of the disease.

The textbook on nursing care - "**Planning, preparation and organization of cardiovascular research**" reflects the new trends in nursing care in this large group of patients and fills a gap in the scientific aids in scientific aids aimed at health care professionals in our medical literature for the moment. The textbook focuses on the most important moments of the nurse's actions in the preparation of this type of patients - planning and organizing research on the cardiovascular system. The prepared technical sheets cover all the care, manipulations, activities, procedures, tests and interventions that nurses perform for patients with cardiovascular diseases during their hospital stay. The formulation of nursing technique is clear, precise and specific, based on modern theoretical and technical achievements of science. The structured technical data sheets can be used, on the one hand, to train nurses and, on the other hand, to serve as criteria and indicators for the quality of care for these patients.

The textbook on nursing care – „**Theoretical aspects of nursing education reflects the theoretical aspects of nursing education**“ which is aimed at acquiring knowledge and skills for professional monitoring and assessment of care needs of healthy and sick people. By studying the theoretical aspects of nursing, skills for planning and providing nursing care during illness and recovery are developed, covering the physical, mental and social aspects of life in the way they affect health, illness, disability and death. Changes in the training of nurses in recent years are aimed at studying the theoretical foundations of the nursing profession, which is based on conceptual models

of care of a theoretical nature.

**Teaching activity:** Assoc. Prof. Ivanova teaches to students at Sofia University, majoring in Nursing, in the specialized disciplines: Philosophy and Introduction to Nursing. Theoretical foundations first and second part; Nursing care for the neurologically ill; Nursing care for the mentally ill; Nursing care for the elderly; Nursing care for infectious patients; Nursing care for children and adults with disabilities; Nursing care at home. From a report on the workload for the last 5 years, her classroom employment is on average 516.46 hours per year.

Assoc. Prof. Diana Ivanova is the author and holder of four elective courses in the specialty "Nurse" Bachelor's degree - first, second and third year from 2016 to the present.

1. Preventive nursing care for patients with cardiovascular disease - risk factors and nursing care plan.

Hours: Lectures 15 hours; Seminars 15 hours

2. Nursing care and training of stoma patients

Hours: Lectures 15 hours; Seminars 15 hours

3. Concepts for nursing care management

Hours: Lectures 15 hours; Seminars 15 hours

4. Nursing process management. Administration of documentation in nursing care

Hours: Lectures 15 hours; Seminars 15 hours.

**Summary** - The scientific production of the only candidate - Assoc. Prof. Diana Krasteva Ivanova, PhD has in-depth theoretical analysis of highly significant current issues and trends in the field of Public Health, Health Care, with many specific conclusions and own contributions to socio-medical science and practice with original scientific contributions, some with an extremely practical attitude, based on rich in content and volume of health information in accordance with current regulations. Modern, fundamental developments have been created for the training, professional formation and realization of medical professionals in accordance with European standards. This is complemented by acquaintance with synthesized solutions applicable in Bulgarian conditions and the right managerial choice; elaboration of original original standards for optimizing the work of the specialists in their professional growth, significant ideas for their realization in the national health system.

*Personal impressions:* I know Assoc. Prof. Diana Krasteva Ivanova, PhD, as an authoritative academic lecturer and researcher, extremely ethical, with excellent

communicative relations in teamwork.

*I give my positive assessment* by highly appreciating its overall research output. Based on the above, I strongly recommend the esteemed members of the Scientific Jury to appreciate the overall scientific output, teaching and social activities of Assoc. Prof. Diana Krasteva Ivanova, PhD and to vote positively for her awarding the academic position of "Professor" for the needs of Medical Faculty of Sofia University "St. Kliment Ohridski".

18.02.2022 г.

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