

## **REVIEW**

from

Prof. Galina Stamova Tchaneva, PhD

Head of the Department of Health Care at

Faculty of Public Health "Prof. Dr. Ts. Vodenicharov, DMS "of MU - Sofia

Appointed a member of the Scientific Jury by order of the Rector of Sofia  
University "St. Kliment Ohridski "№ RD - 38-43 / 20.01.2022

SUBJECT: Competition for the academic position "Professor" in the field of  
higher education 7. Health and sports in the professional field 7.4. Public Health  
(Social Medicine) for the needs of the Medical Faculty of Sofia University "St.  
Kliment Ohridski ", published in the S.G. issue 96 of 19.11.2021

Documents for participation in the competition were submitted by one  
candidate - Assoc. Prof. Diana Krasteva Ivanova, PhD from the Department of  
Neurology, Psychiatry, Physiotherapy and Rehabilitation, Preventive Medicine  
and Public Health at the Medical Faculty of Sofia University "St. Kliment  
Ohridski".

### **Biographical data**

Assoc. Prof. Diana Ivanova, PhD, initially studied at the Medical College  
of the Medical University of Sofia, specialty in Nursing - General Profile,  
graduating in 1996. She continued her education by graduating with a Bachelor's  
degree in Social Pedagogy from Sofia University "St. Kliment Ohridski". D.  
Ivanova is studying for a Master's degree in the following specialties: "Social

Pedagogy" and "Preschool and Primary School Pedagogy" at Sofia University "St. Kliment Ohridski".

The professional realization of Assoc. Prof. D. Ivanova, PhD began as a nurse at the University Hospital "Queen Joanna" - Sofia, and later at the University Hospital "Lozenets" - Clinic of Cardiology. Since 2010 she has been appointed as an assistant at the Medical Faculty of Sofia University "St. Kliment Ohridski" for the teaching of nursing care to students in specialty nursing.

Assoc. Prof. Diana Ivanova, PhD acquired the scientific and educational degree Doctor in the scientific specialty "Social Medicine and Organization of Health and Pharmacy" in 2014 at the Faculty of Public Health of MU-Sofia. She has successfully defended her dissertation on the topic: "Organizational model for nursing care in patients with acute myocardial infarction." In 2014 he held the academic position of Associate Professor at the Department of Neurology, Psychiatry, Physiotherapy and Rehabilitation, Preventive Medicine and Public Health at the Medical Faculty of Sofia University "St. Kliment Ohridski".

Simultaneously with the teaching and research activities, Assoc. Prof. D. Ivanova, PhD performs a number of administrative functions - since 2011 she has been Technical Secretary of the Department of Neurology, Psychiatry, Physiotherapy and Rehabilitation, Preventive Medicine and Public Health; since 2019 she has been elected Deputy Dean of the Medical Faculty at Sofia University "St. Kliment Ohridski".

### **Scientific activity**

For participation in the competition Assoc. Prof. Ivanova presents a total of 43 publications, of which:

- two monographs: "Organizational aspects of hospital treatment in patients with acute myocardial infarction"; "Medico-social factors in patients with ischemic heart disease";
- two textbooks: Textbook of Nursing - Planning, preparation and organization of research on the cardiovascular system; Textbook of Nursing - Theoretical Aspects of Nursing Education.
- 39 publications in scientific periodicals, of which 26 are independent authors, 13 are co-authors (7 are first authors).
- 23 reports at scientific forums, congresses and conferences.

Assoc. Prof. Ivanova is a project manager at the research fund at Sofia University "St. Kliment Ohridski" on the topic "Determining the needs for care for patients with myocardial infarction" № 80-10-98 / 25.03.2021. The developed model provides conditions for individual planning of care for patients with myocardial infarction and increasing the quality of care. The development of a software product for the organization and management of care is possible to collect and process patient information faster and provide more time to nurses for patient care.

The monograph "Organizational aspects of hospital treatment for patients with acute myocardial infarction" analyzes the problems related to the organization of health care for patients with acute myocardial infarction - admission, emergency care, surgical treatment, intensive care. Risk factors in patients with acute myocardial infarction, comorbidities, and lifestyle have been studied. The organization of health care for the emergency admission, diagnosis and treatment of patients with acute myocardial infarction is essential to achieve good results for patients. The author's contribution is the developed organizational model, which on the one hand reflects the care needs of patients

with acute myocardial infarction and on the other hand - are reflected in the different stages of hospital care for these patients. The organizational model provides an opportunity to create an organization of health care in hospital care, which is specifically aimed at patients with acute myocardial infarction to achieve better efficiency of hospital care.

The monograph "Medico-social factors in patients with ischemic heart disease" analyzes the medical and social factors in patients with ischemic heart disease. The authoress presents the medical and social characteristics of ischemic heart disease, emphasizing the risk factors for reducing complications in these patients and improving their quality of life. A special map has been developed to monitor the condition of patients with ischemic heart disease, which would help improve the organization of health care for these patients.

The scientific works of Assoc. Prof. Diana Ivanova, PhD are in the following main areas:

- Socio-medical field, which studied the socio-medical aspects of health care in patients with cardiovascular disease - a study was conducted to assess pain in patients with acute coronary syndrome and in the postoperative period in patients after heart surgery; special nursing care for patients with angina is described; a characterization of the risk factors and an algorithm of nursing care in patients with arterial hypertension; the needs of patients for training in home care after heart surgery were studied; the needs for electronic provision of nursing care in patients with acute myocardial infarction have been studied; the adaptation of patients after heart surgery was studied; a characterization of risk factors in patients with ischemic heart disease was made; an analysis of the heart crisis in patients with acute myocardial infarction is presented; risk factors in patients with myocardial infarction have been identified; a study for socio-medical characteristics of patients with ischemic heart disease was performed; the main risk factors in patients with ischemic heart disease were studied.

- Organizational aspects of health care - a study of the regulatory mechanisms of obstetrics in European countries and worldwide; the socio-psychological aspects of motherhood are analyzed, as well as the security of mothers to start work after childbirth; the possibilities for application of the information systems in the field of health care are studied; the satisfaction of the patients from the training with the nurses during the hospitalization was studied; The possibilities for improving the quality of health care by introducing the conceptual models for nursing care and the planning of nursing care in surgical practice have been studied.

- Development of academic and professional training in nursing - the satisfaction of students majoring in "nursing" in terms of practical training was studied; the readiness of the students - nurses for professional realization in the field of psychiatric nursing was studied; the training in nursing technique was studied; the priorities in the training of nurses for the formation of professional behavior and responsibility have been studied; the application of conceptual models of care in the theoretical foundations of nursing is studied; the development of the professional competencies of the students in the specialty "nurse" was studied; the satisfaction of the students with the acquired skills regarding the nursing technique and the adaptation of the trainees during the undergraduate internship was studied.

### **Learning activity**

Assoc. Prof. Diana Ivanova, PhD participates in the training of students specialty in "Nurse" at the Medical faculty at Sofia University "St. Kliment Ohridski ". The subjects in which he conducts training are the following:

- Philosophy and introduction to nursing. Theoretical foundations;
- Nursing care for neurologically ill;
- Nursing care for the mentally ill;
- Nursing care for adults;

- Nursing care for infectious patients;
- Nursing care for children and adults with disabilities;
- Nursing home care.

According to the report on the workload for the last 5 years, her classroom employment is on average 516.46 hours per school year.

Assoc. Prof. Diana Ivanova, PhD participates in the preparation and updating of curricula in nursing, as well as in the preparation of materials for student assessment. She is the author of four elective courses in nursing:

- Preventive nursing care for patients with cardiovascular disease - risk factors and a plan for nursing care.
- Nursing care and training of stoma patients
- Concepts for nursing care management
- Nursing process management. Administration of documentation in nursing care

**Minimum requirements for a group of indicators for the academic position  
"Professor"**

Indicator group	Professor	Candidate Assoc. Prof. Diana Ivanova, Ph.D.
A	50	50
B	-	-
V	100	100
G	200	1000
Д	100	210
E	100	140

### **Conclusion**

The research and teaching activities of Assoc. Prof. Diana Krasteva Ivanova, PhD show her deep interests and professional development in the field of public health and health care. The submitted documents for participation in the competition fully comply with and exceed the minimum requirements for holding the academic position "Professor" in Professional Field 7.4. "Public Health" (Social Medicine), specified in the Regulations on the terms and conditions for obtaining scientific degrees and holding academic positions at Sofia University "St. Kliment Ohridski ". The above gives me reason to give a positive assessment and to recommend to the scientific jury to award Assoc. Prof. Diana Ivanova, PhD Academic position "Professor".

02/22/2022

Reviewer:

Prof. G. Tchaneva, PhD