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ОБЩЕСТВЕНО ЗДРАВЕ И АНАЛИЗИ
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REVIEW

by **ACAD. PROF. DR. DRAGA IVANOVA TONCHEVA - MITEVA**, MD, PhD, DSc, Medical University - Sofia, elected reviewer on 20.04.2022 at a meeting of the scientific jury in two competitions for the award of two academic positions "Associate Professor", in the National Center of Public Health and Analysis / NCPHA /, field of higher education 7. "Health and Sports", professional field 7.1. "Medicine", in the scientific specialty "Social Medicine and Health Management", for the needs of the Department "Analysis of Health Policies and Accreditation Procedures" at NCPHA

Common part

The two competitions for associate professor of medicine, scientific specialty "Social Medicine and Health Management" have been announced for the needs of the National Center for Public Health and Analysis (NCPHA) with two candidates. One of the candidates is Milena Krasimirova Angelova-Vladimirova, PhD, Chief Assistant in the Department of Health Policy Analysis and Accreditation Procedures in the Health Promotion and Disease Prevention Directorate at the NCPHA.

A review of Milena Vladimirova's documents showed that the procedure for opening and announcing the competition had been followed.

The materials for the competition have been prepared in accordance with the requirements of the Law for the Development of the Academic Staff in the Republic of Bulgaria and are in accordance with Art. 108 of the Rules for awarding AD "Associate Professor" of NCPHA.

Brief biographical data

Chief Assistant Milena Krasimirova Angelova-Vladimirova was born in 1969 in the town of Nova Zagora. She graduated from the Medical College at the Medical University of Plovdiv (1989 - 1993, Bachelor of Pharmacy), University of Veliko Tarnovo "St. St. Cyril and Methodius", Faculty of Public Health (1993 - 1997, Master of Social Affairs and Health Management, Second specialty: Administrative Management) and UNWE - Sofia (2000 - 2003, Master of Public Finance).

She has a recognized specialty in "Health Economics", MU - Sofia (2007, Diploma Series AC № 011577, Reg. № 012476) and completed a basic two-year course in social medicine, health management - 200 hours in NCPHA (2012 - 2014).

She has defended her doctoral dissertation as a free doctoral student at NCPHA on "Approaches to improving the relationship between hospitals and patients" and obtained PhD degree in "Social Medicine and Organization of Health and Pharmacy", code 03.01. 53 (Diploma №12, dated June 26, 2014).

He has experience as a pharmacist at Medex Pharmacy (1994-2005). In 2006 she was a senior expert and assistant to the Deputy Mayor for Health, at the Sofia Municipality, for social activities and people with disabilities and with responsible functions in preparing programs, strategies and projects for health care at the EC. In the period 2009 - 2012 she was an external evaluator for projects in the Agency for Social Assistance at the Ministry of Labor and Social Policy.

She has worked in the Marketing and Advertising Department of Lozenets University Hospital (2017 - 2012) with the development of opinions, prevention programs, organization of specialized courses and other activities.

Since 2012 he has been the Chief Assistant in the Health Policy Analysis and Accreditation Procedures Department at the Health Promotion and Disease Prevention Directorate at the NCPHA and the Chief Expert in the Health Policy Analysis Department, renamed the Health Policy Analysis and Accreditation Procedures Department (2015), Health System Functioning Directorate.

Milena Vladimirova has broad research interests, including health economics, health marketing and management, social medicine, health and social policy and more. He speaks English (B2), Russian and speaks French.

Specializations:

Milena Vladimirova has passed the following qualification courses:

- ✓ 2012, WHO training in Barcelona on "Health Economics and Health Systems Financing" (4 months) and "Strengthening Health Systems with a Focus on Resolving the Problem of Rising Noncommunicable Diseases" (1 month);
- ✓ 1992, specialization in marketing at ISK Plovdiv (8 months);
- ✓ She has passed over 70 courses and qualifications in health economics, financing and strengthening health systems.

Evaluation of scientific publications

Overview

Milena Vladimirova has defended her dissertation "Approaches to improving the relationship between hospitals and patients" and 5 publications on the topic of the dissertation, outside the list of scientific papers with which she is included in the competition for associate professor.

Impressive is her participation as an author or co-author in 5 monographs - 2 individual and 3 collective, one of which abroad "In Health reforms in Central and Eastern Europe (obstates, Limited Outcomes), Eds.Borkman, J., J. German, Eleven, Unt. publ., ISBN 978-94-6236-063-1, 2013, printed by Netherland, p.49-69 ".

In the competition for associate professor she is presented with a total of 39 publications in peer-reviewed and non-peer-reviewed journals. An article was published in a magazine with an impact factor of 1,142. A reference from the Central Medical Library - Sofia for 37 citations by Bulgarian authors is attached.

Milena Vladimirova competently discusses, thoroughly researches and discusses important health issues, which can be systematized in the following six main research areas: Health policies; Patient satisfaction with treatment; Human resources in healthcare; Training and education; Health security and Inequalities and socio-ethical issues.

Health policies (Publications № 1, 3, 4, 5, 7, 30, 34, 35, 36).

Milena Vladimirova undergoes an in-depth and critical analysis of modern health care systems in terms of management, financing and provision of health services in order to improve the health status and well-being of the population. She uses the positive example of the high-tech hospital Unihospital - Panagyurishte; describes traditional practices in Bulgaria for infection control training and measures to limit nosocomial infections and antimicrobial resistance; conducts a comparative analysis of health insurance models in the health systems of some European countries; introduces and describes concepts such as "principal-agent", "asymmetric information", "moral hazard".

Patient satisfaction with treatment (Publications № 2, 12, 17, 18, 27, 28, 29, 38)

Based on an international analysis of methodological approaches to the study of patient satisfaction, Milena Vladimirova proposes expanding, enriching and improving research methods by introducing quantitative and qualitative assessments of hospital performance. It looks at patient satisfaction in a new 'marketing' aspect, contributing to the hospital's reputation. A new technology for researching the patient-hospital relationship has been proposed and introduced. For the first time in the reports of the expert commissions for accreditation of hospitals the patient satisfaction is analyzed.

Human resources in healthcare (Publications № 22, 23, 24, 25, 26, 31)

An analysis of national and international studies of human resources in health care has been made, based on which the advantages, disadvantages and coincidences with the documents of the WHO, OECD, EC have been formulated. Emphasis is placed on the development of human resources in Bulgarian healthcare against the background of migration trends of medical professionals; areas defined as "medical deserts" with permanent shortages / shortages of health personnel are described. Forecast models and added value of planned methodologies of seven European countries are analyzed.

Education and training (Publications № 11, 14, 32)

Important issues for continuing education of some medical professionals have been analyzed; the changes in the Ordinance on specialization have been analyzed and a substantiated proposal has been made for expanding the practical training in preventive medicine with new technological approaches.

Health security (Publications № 19, 37)

Milena Vladimirova is developing the topic of health security in public health, related to the widespread spread of infectious diseases and pathogenic microorganisms as biological weapons. She sees this problem as an element of the country's national security.

Inequalities and socio-ethical issues (Publications № 16, 21, 33)

The serious problems for access to health care for the most vulnerable elderly people in the face of growing inequality in the societies of Europe and Bulgaria are analyzed.

Evaluation of scientific and applied contributions

- ✓ Policies and good practices for improving the health status and well-being of the population in our country are summarized;
- ✓ The first theoretical study of "patient satisfaction" in the international aspect in the last four decades has been carried out. A methodology for analysis of the results in different types of hospitals in our country (Internet sites of 70 hospitals in our country) has been developed and opportunities for improving the relationship with patients have been proposed;
- ✓ Initiatives are proposed based on the developed project "Planning and forecasting of the health workforce";
- ✓ It is proposed to expand the practical training in preventive medicine;

- ✓ The characteristics of diseases include various components related not only to social and economic consequences, but also to military and foreign policy aspects that disrupt the stability and security of states.

Participation in projects

Milena Vladimirova is a coordinator and participant in many projects, of which the following National projects, initiatives and campaigns and projects of NCPHA are more important:

National projects, initiatives and campaigns:

- ✓ 2001 - coordinator of the campaign "You choose";
- ✓ 2013–2015 - coordinator of a project under the Competitiveness Program on the topic "National Tourism Cluster - The Bulgarian Guide" for new initiatives related to the promotion of Bulgarian tourist traditions;
- ✓ Project on "Professionalization of services for the elderly and addicted";
- ✓ 2008 - project. " Women can and know ", realized together with the association" Democratic Union of Women "Sofia - city and Pernik;
- ✓ 2009-2010 - project "Protection of human rights through prevention of discrimination at work";
- ✓ The Women Ask Project and ask questions about the implementation of commitments included in the work platforms of the mayoralties after the last elections;
- ✓ Project "European Year for Active Aging", coordinated by the non-profit association "Democratic Union of Women";
- ✓ Project-initiative of the "Democratic Union of Women" to the political parties and their election platforms for "Balanced inclusion of more women in the election lists of eligible voters";
- ✓ 2015–2017 - participation in a project of the Bulgarian Women's Fund (fundraising).

NCPHA projects:

- ✓ 2012-2015 (to be continued) - European Union Network for Patient Safety and Quality of Care, PaSQ Joint Action. The PaSQ Joint Action is co-financed and supported by the European Commission under the European Union's Public Health Program. The aim is to create a network of bringing together representatives of the European Medical Community and institutional partners committed to improving patient safety and quality of care through "sharing information, experience and implementing good practices". NCPHA is a participant in the implementation of work packages WP 4 - collection of

data on good clinical practices for patient safety, WP 5 - patient safety and implementation initiatives, WP 6 - collection of data on good organizational practices at the national level;

- ✓ 2013-2016 - "Joint Action on Health Workforce Planning & Forecasting", a joint action co-financed and supported by the European Commission under the European Union's Public Health Program. NCPHA is a participant in the implementation of work packages WP 4 - collection of data on the health workforce related to planning and forecasting; WP 5 - exchange of good practices in planning methodology and head of WP 7 - consolidation of results in order to continue the project;
- ✓ 2014-2016 and currently - "Comprehensive Cancer Strategy CANCON - European Guide for Quality Improvement in Comprehensive Cancer Control", a joint action co-financed under the EU Public Health Program;
- ✓ 2013-2015 - Second Joint Action on Health Technology Assessment (HTA);
- ✓ ADVANTAGE initiative "Managing fragile health. An integrated approach to promoting advancing age without disabilities ", a joint action of the EU member states;
- ✓ 2018-2021 - SEPEN Project "Ongoing dialogue of all stakeholders; a European network of human resources experts in health.

Membership in scientific organizations

- ✓ 2017 Regular member of the Bulgarian Public Health Association (BPHA)
- ✓ 2017 Member of the European Public Health Association (EUPHA)
- ✓ 2018. Member of the Union of Scientists in Bulgaria
- ✓ Others: history of medicine, the Society for Preventive Medicine

Conclusion

Milena Vladimirova is a professional with proven competence and significant responsibilities on a national scale at the level of NCPHA and the Ministry of Health. She is a sought-after expert and participant in the preparation of program documents of these and other health care institutions. He is a member of the team of experts who prepare reports on the health of the nation; draft - proposals for Health Strategy and Action Plan, prepare opinions based on analyzes of health processes and make proposals on health problems.

Milena Vladimirova has a recognized international authority as a member of the group for "Patient Safety and Quality of Care" at the EC, participant in international projects for planning and forecasting the health workforce, new technologies in health, cancer under the EC

Programs, - JA and responsible for the Human Resources and Integrated Care component of the Biennial Agreement of the Ministry of Health and the World Health Organization.

Chief Assistant Milena Vladimirova, PhD meets the mandatory criteria for holding the academic position of "Associate Professor" for the needs of the Department of Health Policy Analysis and Accreditation Procedures at the Directorate for Health Promotion and Disease Prevention of the NCPHA.

I strongly recommend that the members of the esteemed Scientific Jury vote in favor and award Milena Vladimirova, PhD the academic position "Associate Professor" in the scientific specialty "Social Medicine and Health Management", for the needs of the Department "Analysis of Health Policies and Accreditation Procedures" at NCPHA.

May 03, 2022, Sofia

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Academician, Prof. Dr. Draga Toncheva, Ph.D.