

OPINION

from Assoc. Prof. Desislava Nikolaeva Koleva-Georgieva, MD, PhD, FEBO
Department of Ophthalmology, Medical Faculty, Medical University-Plovdiv

External member of the Scientific Jury, determined by Order № R-109-497 / 22.11.2021 of the Rector of the Medical University "Prof. Dr. Paraskev Stoyanov" – Varna.

Subject: Dissertation work for the award of educational and scientific degree "Doctor" in the field of higher education 7. Health and sports, professional field 7.4 Public health, specialty "Health Care Management"

Topic: "Multidisciplinary, team care in the prevention of child's eye health - professional focus of the nurse"

Author: Krassimira Ivanova Dimitrova, PhD student in the doctoral program "Health Care Management" at the Department of Health Care, Faculty of Public Health, Medical University "Prof. Dr. Paraskev Stoyanov", gr. Varna.

Scientific Heads: Art.- Cor. prof. Dr. Hristina Nikolova Groupcheva, MD, PhD

Prof. Silvia Borisova Dimitrova, PhD

Distinguished members of the Scientific Jury, according to Order № R-109-497/ 22.11.2021 of the Rector of the Medical University - Varna I was elected a member of the Scientific Jury, and on the grounds of Protocol № 1 / 01.12.2021, I was appointed to prepare an opinion on a procedure for acquiring the educational and scientific degree "Doctor" in the scientific specialty "Health Care Management" in the field of higher education 7. Health and sports, professional field 7.4 Public health at the Medical University - Varna of candidate Krassimira Ivanova Dimitrova.

The candidate Krassimira Dimitrova - PhD student in the doctoral program "Health Care Management", professional field 7.4 Public Health, enrolled with Order № R-109-226 / 09.07.2020 was awarded the right to plead the PhD degree by Order of the Rector of the Medical University - Varna № R-109-497 / 22.11.2021., according to the Report with ent. № R-102-2907 / 05.11.2021 by prof. Silvia Dimitrova, PhD and decision of the Faculty Council of the Faculty of Public Health Faculty at the Medical University - Varna under Protocol № 173 / 09.11.2021.

The administrative documents and materials for consideration have been prepared and submitted in accordance with the Academic Staff Development Act in the Republic of Bulgaria (CRRWB) and the Regulations for its application, as well as with the Rules for Development of the Academic Staff of the Medical University "Prof. Dr. Paraskev Stoyanov" - Varna.

Brief data on the career development and qualification of the doctoral student:

Krassimira Ivanova Dimitrova was born in 1966 in the town of Varna. She completed her secondary education in 1985 at the IV "Frederick Joliot-Curie" Language High School, in Varna, and completed her secondary medical education in 1987 in IPZKSSO "Dr. Nencho

Nikolaev", Varna with a degree in pediatric nurse. Krassimira Dimitrova's aspirations for educational and professional growth are objectified with the completion of the following specialties: educational and qualification specialty (EQS) "specialist" with a degree in nurse at the Medical University - Varna in 2003. EQS "Bachelor"'s degree in Health Care Management at the Medical University - Varna in 2009, EQS "Master"'s Degree with a degree in Health Care Management at the Medical University - Varna in 2010, EQS "Master"'s degree in Health Management at the Medical University - Varna in 2019.

Krasimira Dimitrova started her professional development in the first children's clinic of MHAT "St. Marina" in Varna, where she worked from 1987 to 1989. She gained the main professional experience and growth in the Specialized Hospital for Eye Diseases for Active Treatment – Varna (SBOBAL – Varna), where she started working from 1996 in the diagnostic and consulting unit. Since 2012 and at present she is a senior nurse at SBOBAL - Varna EOOD.

The scientific development of Krassimira Dimitrova is reflected in 19 publications in scientific journals, participation in numerous scientific conferences in the country and abroad, participation in the author's teams of two textbooks on eye diseases for students of medicine and dentistry. Participates as a mentor in the development and implementation of the national research project "Student Internships". He is a member of the Union of Scientists - Varna, section "Medicine and Dental Medicine".

Krassimira Dimitrova also has a busy teaching activity. She teaches a number of courses: Nursing care for eye and ENT diseases, Special care for people with eye problems.

Kradimira Dimitrova also has a strong organizational experience. From 2010 to 2016 she is chairman of the Regional College of BAPZG - Varna, and since 2016 and is currently a member of the Management Board. She initiated and created a tradition for annual celebration of the International Day of Sisterhood (May 12) in Varna, started the continuing education of health care professionals in Varna, is the coordinator of the municipal program "Children's Vision" in Varna from 2012.

Her high professionalism and dedication to work, socio-cultural and public-organizational activities are awarded honorary awards, among which I will celebrate the national award "Professional of the Year" of BAPZG, which she received in 2015, and the award of the Mayor of Varna Municipality in 2019.

Krassimira Dimitrova laid the foundations of her academic development in 2020 with the beginning of his work on the present dissertation "Multidisciplinary, team care in the prevention of children's eye health - professional focus of the nurse", under the guidance of Art.-core. prof. Hristina Groupcheva, MD, PhD and prof. Silvia Dimitrova, PhD.

Characteristics and evaluation of the dissertation:

The dissertation has a volume of 184 pages, of which: Content - 1 page., Summary in Bulgarian and English - 4 pages., Used abbreviations - 1 p., List of tables and figures - 3 pages., Introduction - 3 pages., Literature Review - 41 pages., Goal and tasks - 1 p., Materials and methods - 8 pages., Results and discussion - 74 pages., Conclusions and contributions - 4 pages., Conclusion - 2 pages., Applications - 15 pages., Bibliography - 18 pages.

The work is illustrated with 56 figures and 24 tables. The bibliography includes 330 literary sources, of which 83 in Cyrillic and 247 in English.

The scientific work of the doctoral student Krassimira Dimitrova is properly structured as a sequence and volume of the sections.

The exhibition is presented clearly and in a very good scientific style.

The autoreferat is written on 89 pages and reflects very well the content of the dissertation.

Theme's relevance:

The topic of the presented dissertation is indisputably current and significant. There is no national program for child vision prevention in our country. World experience shows that preventive programs for early detection of visual disturbances in childhood are the basis for timely correction and treatment of the visual problem, and hence for normal physical, neuropsychiatric, emotional development, socialization, professional realization and good quality of life. the child. On the other hand, there is a tendency to reduce the number of medical professionals in the field of child's eye health. There is also an outflow of specialists practicing the profession of "medical nurse" and providing ophthalmological health care. Scientific consideration of the problem for multidisciplinary, team care for child eye health prevention and the development of a multidisciplinary model would lead, on the one hand, to improve the eye health and quality of life of children, and on the other hand, it will develop the potential of the nursing profession and contribute to new opportunities for professionals, career development and satisfaction. All this defines the considered issues of the presented dissertation as particularly relevant and significant.

Assessment of the structural parts of the dissertation:

The literature review is the first chapter of the dissertation. It is presented on 41 pages and is structured logically. Here the doctoral student systematically presents data on the essence, composition, the effectiveness of the multidisciplinary team and the roles of the nurse in it, according to the experience of international teams; what it is and how ophthalmological screening should be performed in childhood; systematically presents the peculiarities of the development of the visual system in childhood and the causes of child blindness; the legal framework in our country regarding the conduct of preventive and screening activities is indicated, but there are no active child vision prevention programs in our country at this time. As an example of purposeful work in this direction is the holding of screening programs in the town. Varna. The information provided shows the in-depth knowledge of the problem presented for consideration. The exhibition is of high scientific style, but presented concisely and accessibly.

The purpose, tasks and methodology of the study is the second chapter of the dissertation.

The goal is formulated accurately and clearly, logically following 9 tasks set for its resolution and 3 research hypotheses.

The material and method section is described concisely and specifically. The subject and objects of the study are determined. The design is presented - theoretical research and empirical research. The empirical study included 4 groups of respondents: parents of children up to 16 years old. age, nurses working in ophthalmic structures, doctors-specialists in eye diseases and students majoring in "medical nurse", "medical optician" and "optometry". The including and excluding criteria, the places for conducting the study and the

tools of the study are described in detail - questionnaires and questionnaires aimed at the individual logical units and presented in the Application section. The statistical analyzes used are appropriate and modern and allow for reliable conclusions.

The third section of the dissertation is presentation of the **results, analysis and discussion with emphasizing some practical aspects.**

The presentation of the results obtained from the scientific work follows the order of the set tasks. They are originals and are the result of the doctoral student's own research work. The discussion of each task is based on the results obtained, considered in the light of international experience and with a practical focus. The presentation of the results is consistent and precise, being extremely rich and well illustrated in figures and tables. I appreciate both the competent analysis of the results and the style used of the exhibition and their good illustration.

The fourth section is particularly interesting and presents the development of an own author's model for providing a prophylactic environment for children's eye health through the application of multidisciplinary care. This model, the author, based on the extensive analysis of Bulgarian and international practice in the field of child vision, the scientific research carried out on her own and her long-term clinical experience. The multidisciplinary team includes an ophthalmology specialist, nurse, medical optician and optometrist, with the nurse being key. The model integrates not only clinical aspects, but also managerial, organizational, information and socio-cultural aspects. This model is proactive and can fill a large gap in our healthcare - active prevention of child vision. It can become the basis for initiating a change in this area of our healthcare, and the leader can be the nurse. The dissertationer clearly emphasized the functions of the nurse in the multidisciplinary model, as well as her skills and competencies in the prevention of child's eye health.

The fifth section presents **the conclusions, recommendations and contributions** of the dissertation.

The conclusions of the conducted research are ten (and additional three), they are formulated accurately and correspond directly to the set goal, tasks and scientific hypotheses.

The recommendations made as a result of the conducted scientific study and aimed at improving children's eye health are addressed to the institutions in the field of health care in the Republic of Bulgaria - the Ministry of Health and the National Health Insurance Fund, and to national organizations - the National Association of Municipalities in the Republic of Bulgaria (NSORB) and the Bulgarian Association of Health Care Professionals (BAPZG).

The conclusion follows the logically presented results and meets the set goal.

Contributions of the scientific work:

In the self-assessment, the contributions are divided into 2 groups - contributions of a scientific-applied nature (6 contributions) and of a practical nature (5 contributions). The contributions that highlight the scientific work developed by Kradimira Dimitrova are significant and have not been studied so far in Bulgaria.

I fully accept the contributions presented by the doctoral student with scientific, applied and practical.

Presented publications and participations in scientific forums related to the topic of the dissertation:


In connection with her dissertation Krassimira Dimitrova presents 6 publications and participations in scientific forums.

Conclusion:

The presented dissertation work "Multidisciplinary, team care in the prevention of child's eye health - professional focus of the nurse" by Krassimira Ivanova Dimitrova is an up-to-date and original scientific development and is the doctoral student's own contribution to public health and health care management, as well as for the ophthalmology in Bulgaria. It is developed at a very good scientific level, contains theoretical and significant practical contributions, an innovative approach to prevention and improvement of child's eye health has been proposed. The dissertation meets all the requirements of ZRASRB, the Regulations for the Implementation of the SEAP and the Regulations of the Medical University - Varna. **I give my high appreciation of the scientific work and I am convinced to vote positively for the award of the educational and scientific degree PhD "Doctor"** in the scientific specialty "Management of Health Care" in the field of higher education 7. Health and sports, professional field 7.4 Public health at the Medical University - Varna to the candidate Krassimira Ivanova Dimitrova.

Date: 28.12.2021.

Plovdiv

Prepared the opinion:

/Assoc. Prof. Desislava Koleva-Georgieva, MD, PhD/

