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## THE APPLICATION OF INFORMATION TECHNOLOGIES IN THE TRAINING OF SPECIALISTS IN THE FIELD OF HEALTH CARE

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**Rezumat:** Publicația este dedicată problemei pregătirii specialiștilor în domeniul asistenței medicale, în special specialiștilor în reabilitare. În prezent, problema reabilitării medicale, psihologice și fizice a populației militare și civile a devenit urgentă în Ucraina, ca urmare a unei invazii militare pe termen lung, la scară largă, de către Rusia. Aceasta propune noi cerințe pentru pregătirea educațională și profesională a specialiștilor relevanți din instituțiile de învățământ superior.

**Cuvinte cheie:** specialiști în reabilitare; asistență medicală, practică clinică, formare.

**Abstract:** The publication is devoted to the issue of training specialists in the field of health care, in particular rehabilitation specialists. Currently, the problem of medical, psychological, and physical rehabilitation of the military and civilian population has become urgent in Ukraine as a result of a long-term, full-scale military invasion by Russia. This puts forward new requirements for the educational and professional training of relevant specialists in institutions of higher education.

**Keywords:** rehabilitation specialists; health care, clinical practice, training

The field of health care in wartime conditions is not just professional and applied in nature, but is decisive for preserving the life and health of the civilian population and the military, ensuring the full rehabilitation of servicemen who have received injuries of various degrees, manufacturing medicines, ensuring the preservation of public health, etc.

The training of highly qualified specialists in the field of health care and the improvement of their qualifications in Ukraine and throughout the world is a determining factor for ensuring a health-promoting and health-creating environment, which is a guarantee of preserving the health of the nation, including future generations. Increasing the professional level for every doctor is not only a "must have", but also an opportunity to use all the opportunities of formal, informal and informal education in both real and virtual formats. It is thanks to permanent and temporary museum

exhibitions that future and current specialists in the field of health care have the opportunity to raise their professional level and expand their outlook.

Regarding the training of specialists in the field of health care, we will focus on the training of specialists in certain specialties of the field in institutions of higher education.

The training of rehabilitation specialists is an urgent need today, as the health of the population is deteriorating. This is due to excessive and intense professional workloads, an increase in the level of stress as a social factor, a decrease in the functional state and working capacity of the human body. Our activity is focused on the training of rehabilitation specialists in two directions - medical rehabilitation and sports and health rehabilitation. To organize the educational and professional process, we invite specialists - scientists and practitioners of a high level of qualification, who works in educational institutions, in clinics - institutions of the health care system, in sports institutions with available rehabilitation centers. They are the ones who are able to ensure a high level of training for bachelors, masters and PhD degree holders.

The objects of study and/or training activities of such a specialist in accordance with the state standards of higher education of Ukraine are complex violations of motor functions and human activity, their correction through the use of physical therapy measures in order to restore a full-fledged life activity in accordance with the wishes and needs of a person in environmental conditions, social and cultural environment.

Theoretical content of the subject area: disorders of functions, activity and participation of persons of different nosological and age groups, principles, concepts, theories and methods of physical therapy, management, teaching and scientific research in physical therapy.

Methods, techniques, technologies of examining the patient's/client's functional capabilities; information processing; planning, forecasting, implementation and correction of physical therapy programs; prevention of diseases, complications and functional disorders; scientific research and discussion; evidential practice; management and teaching; modern digital technologies as accompanying equipment and facilities.

The professional standards are: World Confederation for Physical Therapy: Policy statement: Standards of physical therapist practice; Education; World Federation of Occupational Therapists: Minimum Standards for the Education of Occupational Therapists.

The basic level of training of a rehabilitation specialist is achieved by the successful completion of the appropriate educational program, the purpose of which is the formation of a competent and independent graduate - practitioner.

Clinical training / clinical practice is an important component of the educational training program, which is implemented in an environment that promotes the professional development of the student and stimulates the formation of an independent and competent clinician. In the clinical setting, students are able to integrate professional knowledge, skills and professional behaviour, and develop essential clinical skills of assessment, planning, intervention and supervision.

Bases of practice can be rehabilitation institutions, departments, units in the fields of health care, social protection, education, etc., which provide all aspects of the management of a patient / client with functional impairments and limitation of vital activities that requires physical therapy: examination, planning, intervention, control and their components. The causes of dysfunctions can be neurological, cardio-respiratory, musculoskeletal and other disorders or their combination.

Students should be given the opportunity to work with patients/clients of all ages and in a variety of clinical settings, demonstrating professional skills and behaviors to achieve clinical learning outcomes.

The Educational and Scientific Medical Institute of Petro Mohyla Black Sea National University did not stop its activities either during the quarantine restrictions of COVID-19 (2019-2021) or during the full-scale Russian invasion (from February 2024). Thanks to the teachers and employees of the institute, who did not leave the University in the first days of full-scale aggression, it was possible to preserve the unique equipment and facilities of the medical institute (simulators, virtual medical simulators and anatomical virtual tables, clinical equipment, etc.), which, in particular, are used in simulation centers, special and specialized laboratories, a university polyclinic, where students have the opportunity to undergo educational and industrial practice as well. At the Petro Mohyla Black Sea National University, in addition to educational medical collections, there is a rather interesting exhibit - the Atlas of Anatomy, published around 1854, which is included in the collection of publications of past centuries, and the Atlas of Human Anatomy by Frank G. Netter in various languages. The Educational and Scientific Medical Institute is a worthy successor to the tradition of creating museums as a means of training and retraining highly qualified specialists in the field of health care.

Currently, our students have the opportunity to become highly qualified specialists and be employed in health care institutions and other institutions.