

**5TH INTERNATIONAL CONFERENCE
ON MEDICAL EDUCATION INFORMATICS**

MEI 2024 | 10-11 JUNE | Thessaloniki | GR

**Conference Programme
&
Book of Abstracts**

Editors

Panagiotis D. Bamidis, Stathis Th. Konstantinidis



virtual worlds

an Open Access Journal by MDPI



ΕΕΕΚΔ
ΕΤΑΙΡΕΙΑ ΕΡΕΥΝΑΣ
ΚΑΙ ΕΚΠΑΙΔΕΥΣΗΣ
ΚΛΙΝΙΚΩΝ ΔΕΞΙΟΤΗΤΩΝ



Gaumard[®]
Simulators for Health Care Education



ΕΙΔΙΚΗ ΜΟΝΑΔΑ ΒΙΟΙΑΤΡΙΚΗΣ
ΕΡΕΥΝΑΣ ΚΑΙ ΕΚΠΑΙΔΕΥΣΗΣ
B.I.O.M.E.D.I.C.A.L
R.E.S.E.A.R.C.H.
AND
E.D.U.C.A.T.I.O.N
S.P.E.C.I.A.L
U.N.I.T

MEI 2024 | 10-11 JUNE | THESSALONIKI | GR

Conference Programme & Book of Abstracts

of the

**5th International Conference on
Medical Education Informatics**

June 10-11, 2024

**Aristotle University of Thessaloniki,
Thessaloniki, GR**



Editors:

Panagiotis D. Bamidis, Stathis Th. Konstantinidis

Technical Assistance:

Afroditi Tzortzi

Publisher: Lab of Medical Physics and Digital Innovation, School of Medicine, Aristotle University of Thessaloniki, Greece

ISBN: 978-960-243-750-6

Serhii Sazhyn ¹

¹ Bukovinian State Medical University, Chernivtsi, Ukraine

Background: Bukovinian State Medical University (BSMU) has been an active participant in educational grant projects since 2015. One of the first grant projects was TAME (Training Against Medical Error) within the framework of the ERASMUS+ EACEA. The project outcomes was creation and adaptation clinical scenarios on models of virtual patients were implemented in educational process in senior students of specialty "Medicine".

Materials and Methods: The project UDCR "Virtual learning resources for clinical reasoning training at Ukrainian health school" provided access to the scientific and pedagogical staff of the BSMU to the CASUS platform where 200 clinical scenarios translated and adopted into Ukrainian and successfully implemented in the following disciplines like cardiology, family medicine, pediatrics etc.

Results: Participation in these projects led to the development of an elective course "Modern practices – virtual patient" for senior students. Currently, the university is the coordinator of the Simulation Medicine and Scenario-Based Learning for Emergency Care project (SimS), which provides for the creation of clinical scenarios on virtual patient models to improve the competencies of medical, educational and police personnel in providing emergency care for persons from the category "First on the scene".

Conclusions: We are going to develop a new elective course "First on the scene (emergency aid course)" for students of various specialties of the field of knowledge "Health care". Thus, participation in grant projects allows implementing the novel technological practices into the educational process with the aim of improving the level of general and professional competences to achieve better program learning outcomes.

Forms of improving the quality of training at ONMedU in the conditions of a mixed training format: scenario-oriented simulation training in emergency care

Tetiana Orabina ¹, Kateryna Usychenko ²

¹ Bogomolets National Medical University, Kyiv, Ukraine,

² Odessa National Medical University, Odesa, Ukraine

Background: In the conditions of a full-scale Russian invasion, a combination of distance and face-to-face learning formats is necessary under the mandatory conditions of preserving the unity of the educational space, ensuring equal access to quality education.

Materials and Methods: At Odessa National Medical University, in the course of the Erasmus+ KA2 project "Simulation Medicine and Scenario-based Learning for Emergency Care (SimS), we implemented 35 scenarios of various emergencies in the educational process of the 6th-year students of the medical faculty, which are offered to the student of the medical faculty during the practical classes. The assessment of the quality of training in the provision of emergency medical care was carried out using a questionnaire before the start of the scenario-oriented simulation training course and after its completion.

Results: 90% of the surveyed students answered that they had increased confidence in their skills in providing emergency aid and the level of understanding of the algorithm of actions in various circumstances that require immediate action by a doctor. 87% of respondents would recommend this course to their fellow students while 91% would like to continue scenario-oriented simulation training in face-to-face format.

Conclusions: The training of future doctors requires the implementation of innovative approaches, scenario-oriented simulation training allows you to effectively reproduce the real conditions of future practical activities.