



THE DEPARTMENT OF CLINICAL SKILLS AND MULTIDISCIPLINARY SIMULATION



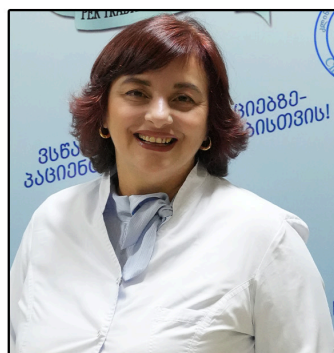
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**PIRDARA NOZADZE
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The Basic Medical Competences for the Bologna Process participating countries were developed by the TUNING/MEDINE project, which aimed to create the European Higher Education Area and ensure comparability in the standards and quality of higher-education qualifications.

Order No. 225 (01.06.2011) of the Head of the National Center for Educational Quality Enhancement of the Ministry of Science and Education of Georgia on "Medical Educational Program Benchmarks" (<http://www.eqe.ge/res/docs/medicina.pdf>) states that the six-year medical degree educational program should include hours of clinical skills that are expressed in 20 ECTS credits...a variety of simulators and manikins should be used to gain confidence and competence in clinical skills in a safe simulated environment. Upon successful completion of the educational program, the graduates of the Faculty of Medicine will have the ability to demonstrate basic practical skills on simulators and manikins independently and under supervision".

The Clinical Skills Department was established on July 14, 2014, by the Academic Board of Tbilisi State Medical University through the No. 24/4 and No. 24/5 decisions. On July 6, 2016, the latter was renamed as the Department of Clinical Skills and Multidisciplinary Simulation.

The Academic Staff of the Department of Clinical Skills and Multidisciplinary Simulation is represented by four members: The head of the Department Professor Irma Manjavidze, Associate Professor Pirdara Nozadze, Associate Professor Dali Chitaishvili and Assistant Professor Lika Otiashvili.

The main activities of the Department are determined by clinical competencies that must be achieved upon graduation, which are defined by the National Sectoral Benchmarks in Medical Education, which was last updated in 2022, and in turn are based on WFME (World Federation of Medical Education) standards, AMEE (An International Association of Health Professions Education) guidelines.



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TSMU CSMDSC provides students the opportunity to practice challenging, immersive simulation training within a safe, hands-on learning environment.

Within this educational space, medical students have the opportunity to practice on task trainers and high-fidelity manikins to enhance their skills, to practice across the spectrum of medical care, from basic skills to multidisciplinary critical care real-life scenarios.

The Department of Clinical Skills and Multidisciplinary Simulation offers mandatory training courses for Year 2, Year 4, and Year 6 students of the Faculty of Medicine, which are expressed in 10 ECT credits:

- The Y2 (semester IV) program includes basic clinical skills (injections, BLS, etc.).
- The Y4 (semester VII/VIII) students have two training courses: one is jointly conducted with the Department of Obstetrics and Gynecology, and the second with the Department of Pediatrics. Each course is based on the integrated syllabi „Obstetrics and Gynecology” and “Pediatrics”, respectively, which is seen as an important step towards improving the curriculum.
- The 6th-year program (11th/12th semester) is a joint course conducted by the departments of Clinical Skills and Multidisciplinary Simulation, Internal Medicine N3, Family Medicine, Clinical Pharmacology, and Radiology. It is based on the integrated syllabus “Management of Internal Diseases.

The Department offers mandatory courses for students in the Bachelor's programs in Physical Medicine and Rehabilitation, Nursing, and Midwifery.

The department offers an elective course ‘First Aid in Emergency Situations’ for students enrolled in the Bachelor's programs in Public Health and Public Health Management.

The final assessment is conducted in the OSCE (Objective Structured Clinical Examination) format, the gold standard for assessing clinical competencies.

At the Department of Clinical Skills and Multidisciplinary Simulation, the OSCE exam for Module 22 (“Subjective and Objective Systemic Examination of the Patient 4”) is conducted for third-year (VI semester) students. The module includes an integrated course from the departments of Clinical Anatomy and Operative Surgery, General Surgery, Pediatrics, and Propedeutics of Internal Medicine.

The department also conducts an Objective Structured Practical Examination (OSPE) for first-year (II semester) students, which includes an integrated course from the departments of Biochemistry, Biophysics, Histology, Cytology and Embryology, as well as Molecular and Medical Genetics.

The Department of Clinical Skills and Multidisciplinary Simulation conducts student surveys and feedback analyses at the end of each semester to improve the quality of learning and assessment.

To facilitate communication with students, the Department has its web page, where all information related to the learning process is uploaded: timetables, short versions of the syllabus, learning materials, video tutorials, news, announcements, OSCE schedules, etc (<http://bit.ly/tsmucsc>)





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The department's staff are actively involved in research and educational activities and, in collaboration with leading universities in Georgia and Europe, participate in international ERASMUS+ projects, including “SAFEMED” and “LIFESTRAND.”

The “SAFEMED” project aims to introduce and develop simulation-based medical education, significantly improving the quality of medical education and strengthening students’ clinical competencies. The project is being implemented within an international consortium comprising universities in Spain, Lithuania, Italy, Armenia, Ukraine, and Georgia.

The “LIFESTRAND” project brings together universities in Georgia, Ukraine, Spain, and Portugal. It aims to provide first-aid training for university staff, students, and the wider community, promote knowledge exchange, and strengthen emergency care skills among vulnerable populations, particularly those living in areas with high military risk.

Participation in these international projects represents an important component of the department’s research and educational development.

The academic staff of the Department participates in local, regional, and international conferences and postgraduate education. They regularly participate in training courses conducted by the AMEE. Professor I. Manjavidze is an AMEE Associate Fellow. They published numerous research articles in national and international journals.