



Dr. Mahboobeh K. Mafinejad

PhD of Medical Education, TUMS

Experience

2020–Now

Director • Education Development Center (EDC) • TUMS

2019–2023

Deputy • Department of Medical Education • TUMS

2017–2023

Director • Student Engagement Unit • EDC • TUMS

2016–now

Director • Medical Education Olympiad • TUMS

2011–2021

Coordinator and consultant • Cross-cutting Themes Unit, EDO, Medical School • TUMS

Education

Associate professor, Ph.D. of Medical Education

Fields of Interest

- Curriculum Planning
- Student Assessment
- Professional Identity Development
- Teaching and Assessing Psychological Subjects (Clinical reasoning, Communication skills, Professionalism, Critical Thinking, Personal Development, ...)



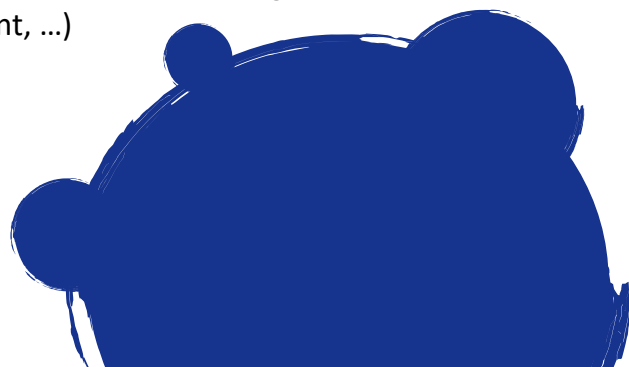
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Research Articles (EN)

- Medical students' attitudes towards early clinical exposure in Iran
- Cinemedicine: Using movies to improve students' understanding of psychosocial aspects of medicine
- Interprofessional education in the integrated medical education and health care system: A content analysis
- A decade of reform in medical education: Experiences and challenges at Tehran University of Medical Sciences
- Use of multi-response format test in the assessment of medical students' critical thinking ability
- Study Guides: Effective Tools to Improve Self-Directed Learning
- Training and validation of standardized patients for assessing communication and counseling skills of pharmacy students: A pilot study
- Effective factors in the design and implementation of interprofessional education from the faculty members' perspective: A qualitative study
- Virtual patient simulation: Promotion of clinical reasoning abilities of medical student
- Integration of cognitive skills as a cross-cutting theme into the undergraduate medical curriculum at Tehran University of Medical Sciences
- Principles and methods of student assessment in health professions
- Students' perception of educational environment based on Dundee Ready Education Environment Measure and the role of peer mentoring: a cross-sectional study
- Burnout and clinical learning environment among residents in Tehran: a cross-sectional study
- Exploring medical ethics' implementation challenges: A qualitative study
- Online assessment for pathology residents during the COVID-19 pandemic: Report of an experience
- Effects of a curriculum integrating critical thinking on medical students' critical thinking ability in Iran: a quasi-experimental study
- Determining the expected competencies for oncology nursing: a needs assessment study
- Reflection on near-peer shadowing program: impact on operating room student's perception of their future profession
- Guessing in Multiple Choice Questions: Challenges and Strategies
- Iranian medical students' tendency to migrate and its associated factors
- Teaching professionalism in cadaver dissection: medical students' perspective
- Relationship between mentor retention and the role of personality: a descriptive-analytical study
- Letter to Editor: Recommendations for safer management of holding OSCE during COVID-19 outbreak
- Infusing the teaching of critical thinking into undergraduate medical education: lessons learned from a three-year longitudinal study
- Study guides improve self-learning skills in clinical endocrinology
- Insights on my future job: implementing a near-peer shadowing program for operating room freshmen
- The role of the simulated patient in physiotherapy education: a review article
- Another look at what teachers and students think about interprofessional learning as a shared experience in Iran: a qualitative research
- Challenges of Type 2 Diabetes Mellitus Management from the Perspective of Patients: Conventional Content Analysis
- Guide for reporting a qualitative study
- The Shadow of COVID-19 on Medical Education at Tehran University of Medical Sciences in 2020
- Developing and validating a tool to evaluate communication and patient counseling skills of pharmacy students: A pilot study

- Mapping the core competencies and entrustable professional activities of medical ethics for faculty members
- Extracting virtual modules of diabetes courses for training primary health care professionals: a scoping review
- Development and validation of a conflict management attitude questionnaire for medical students
- What we think about professional and unprofessional behaviors: differences between the perception of clinical faculty members and medical student
- Exploring the undermined: Pharmacy students' perceptions of their role models' core competencies
- Engagement of Healthcare Professionals in Voluntary Activities During COVID-19: A Cross-Sectional Study
- Developing a professional guideline for the use of cyberspace by health-care professionals in Iran: a mixed methods study
- Smoothing Transition from High School to Medical School Through E-Learning Module
- Medical Students' Satisfaction with a Web-based Training Module of Clinical Reasoning
- Preparing Medical Students to Become Effective Tutors: A Reaction, Learning and Behavior Evaluation Study
- Medical Students' Attitudes towards the Introduction of Expected Competences in the Outcome-Based Curriculum
- Developing a guideline for Multiple Mini Interviews: A step toward implementing the MMI test
- Learning Professionalism Through Movies at Tehran University of Medical Sciences: An Experience Report
- Learning professionalism from movies through reflection
- Developing a competency-based curriculum for MS in oncology nursing in Iran (Isfahan)

Thesis Supervisions:

- **Professional Identity development:**
- Exploring the professional identity formation process of medical students based on the Kegan model and design, and validation assessment tool of the formed professional identity at Tehran University of Medical Sciences
- Exploring professional identity formation of first-year medical students using creative narration at Tehran University of Medical Sciences
- Explaining the understanding of surgical assistants of Lorestan University of Medical Sciences about the process of professional identity development and providing strategies for its development
- Exploring medical students' perception of the role of positive and negative role modeling in the growth and development of their professional identity at Tehran University of Medical Sciences
- **Teaching and assessment of Psychosocial Subjects:**
- The effect of "conflict management" blended program based on the FOGG model on the performance of general medical students in Tehran University of Medical Sciences: An experimental study
- Investigating the effect of the scenario-based negotiation training course on the negotiation skills of pre-clinical medical students at Tehran University of Medical Sciences
- Investigating the effect of empathy training using film and scenario on the level of empathy of nursing students and attitude toward learning communication skills at Tehran University of Medical Sciences
- Investigating the impact of medical law education based on the IRAC model on medico-legal reasoning of internal and surgery residents of Zanjan University of Medical Sciences.
- Investigating the association between the level of professionalism of medical staff and the willingness to participate in voluntary activities in times of epidemic crisis in the General Internal Ward of Imam Khomeini Hospital Complex
- Development and Validation of a Professionalism Evaluation Instrument for Medical Students
- Comparison of the effect of medical error reporting training using two methods of video and small group

- discussion on the self-efficacy of internal specialist assistants for reporting medical errors at Tehran University of Medical Sciences
- Examining the views of surgical assistants in using strategies to deal with medical errors at Tehran University of Medical Sciences.
- Investigating the effect of the virtual round training of clinical cases of COVID-19 on the views of medical students in the internal training stage towards the use of clinical reasoning in dealing with patients in Shariati Hospital
- Design, implementation, and evaluation of a psychiatry pharmacotherapy Educational Game for the students of pharmacy at Tehran University of Medical Sciences
- Investigating the effect of teaching cognitive errors on the performance of basic science students
- Investigating the effect of training in lab skills on the self-confidence and stress levels of first-year anesthesiology residents before facing the real conditions in the Shariati hospital
- The Perspectives of Medical Students on the Attributes of the Role Models at Tehran University of Medical Sciences
- Designing, validating, and implementing a tool for assessing attitudes of basic sciences medical students towards characteristics of role modeling at Tehran University of Medical Sciences
- Identifying and prioritizing the influencing factors in the selection of role models from the point of view of medical students in the clinical phase based on Q methodology at Tehran University of Medical Sciences
- Comparison of the effect of Cultural Competency training through case-based learning and narrative writing on the attitude of international medical trainees towards cultural competence at Tehran University of Medical Sciences
- Comparison of the effect of Python and Interactive multimedia training methods on the clinical competence of nurses working in intensive care units for brain death patients
- **Curriculum Planning:**
- Developing the Core Entrustable Professional Activities Framework for Undergraduate Medical Education at Tehran University of Medical Sciences
- Developing and Mapping Competencies and Entrustable Professional Activities for medical ethics at Tehran University of Medical Sciences
- Developing the framework of competencies students for assessment of the clinical competency in speech-language pathologists
- Development and psychometrics of the entrustable professional activities framework of master's students in health education and health promotion
- Development and psychometric evaluation of the framework of expected capabilities of traditional pharmacy graduates
- Needs assessment, design, implementation, and evaluation of soft skills curriculum for internal medicine assistants of Tehran University of Medical Sciences
- Exploring the perspectives of residents and clinical faculty members towards the educational situation in off-service rotations during the residency program at Tehran University of Medical Sciences
- Design, implementation, and evaluation of a comprehensive training course for diabetes skills in healthcare service providers
- Development of a crisis and disaster preparedness training program for medical students of Tehran University of Medical Sciences
- The educational needs assessment of the staff of the South Tehran Health Center regarding epidemic crisis management
- Evaluation of clinical pharmacy residency Curriculum based on competency-based education

- Assessing the effect of the near-peer shadowing program on job motivations of operating room students at Zahedan & Zabol University of Medical Sciences
- Investigating needs assessment of educational and non-educational factors on the willingness of medical students to migrate abroad in Tehran University of Medical Sciences in the academic year 2017-2018
- Designing a curriculum for medical ethics and professionalism for pediatric assistants in TUMS
- Identifying and investigating the influencing factors in the hidden curriculum of the general medicine course from the point of view of clinical phase students based on Q methodology at Tehran University of Medical Sciences
- Exploring motivational factors affecting student engagement in educational developments: a multi-stage qualitative study
- **Student Assessment:**
- Designing and validating Multiple Mini-Interviews (MMI) to evaluate the non-cognitive abilities of the first-year dental students of Tehran University of Medical Sciences in 2020
- Development and validation of an instrument to measure the educational impact of OSCE from students' perspective
- Analysis of the quality of OSCE of medical students at Tehran University of Medical Sciences Examining the ability of medical students in OSCE at Tehran University of Medical Sciences and comparing it with their pre-internship test score

Awards

- Best National Researcher Award in the Field of Medical Education 2019, Iran
- Best International Presentation Award at the IMEC 2023, Malaysia
- National Shahid Mottahari Festival Awards, Iran (innovative educational project awards):
 - 2023 (Design, implementation, and evaluation of a psychiatry pharmacotherapy Educational Game for the students of pharmacy at Tehran University of Medical Sciences)
 - 2022 (implementation design and evaluation of empathy skills using cinema, scenario, and narrative writing for nursing students)
 - 2021 (Design, implementation, and evaluation of the near-peer shadowing program for operating room students)
 - 2021 (Designing and implementing multiple mini-interviews (MMI) for student admission in the virtual Master of Medical Education course)
 - 2021 (Integration and implementation of longitudinal integrated themes in the general medicine course: a step towards the realization of the document of expected competencies of the graduates in the curriculum)
 - 2019 (Design, implementation, and evaluation of cadaver dignity program: a step towards familiarizing new medical students with the principles of professional behaviors in the cadaver dissection)
 - 2017 (curriculum revision of pre-clinical phase based on common clinical manifestations)
 - 2015 (Designing, implementing, and evaluating the "Shadowing" program for the students of basic sciences in undergraduate medical education at Tehran University of Medical Sciences)
 - 2015 (Designing, implementing, and evaluating educational programs with the approach of art and media in teaching moral, psychological, and social subjects to medical students)
 - 2013 (Designing and implementing the assessment system of "doctoring skills" in the basic science course of undergraduate medical education)