

Biographical Data

Noushin Kohan obtained his Ph.D. in Medical Education from the Tehran University of Medical Sciences in Iran. She is currently an Associate Professor at Smart University of Medical Sciences. She experienced as a medical educationist and eLearning expert and director in medical contexts. She has published numerous articles in scholarly journals.

Curriculum Vitae

EDUCATIONAL BACKGROUND

Ph.D.

Medical Education

Tehran University of Medical Sciences, Tehran,
Iran

M.A.

1. Medical Education

Shahid Beheshti University of Medical Sciences,
Tehran, Iran

MPH Disaster Management

Tehran University of Medical Sciences, Tehran,
Iran

THESES & DISSERTATION

A. Ph.D. Dissertation:

Developing Conceptual Model of Self-directed Learning in Virtual Environment and
Designing an Evaluation Tool

B. A. Thesis:

A Comparative Study on the Function and Structure of Medical Education Office in
World's Universities

CURRENT STATUS

Associate Professor of Medical Education, Medical Education Department, SMART
University of Medical Sciences, Tehran, Iran.

AREAS OF EXPERTISE

All Area of Medical Education, Especially Leadership and Management and E-Learning
Field

Publications

A. Articles

1. Assessing the Psychometric Properties of a Reflective Practice Questionnaire Among
Medical Sciences Students at Tabriz University of Medical Sciences

L Jahangiry, N Kohan*, N Gilani, R Khabiri, S Ahmady - Journal of Iranian Medical
Council, 2025

2. Twelve Tips for Establishing an Effective Quality Assurance System for Medical
Schools

N Kohan, S Ahmady, Y Zarezadeh, SAA Teymurlouy - Acta Medica Iranica, 2024

3. Designing and evaluating ECG interpretation software for undergraduate nursing
students in Iran: a non-equivalent control group pretest-posttest design

N Kohan, N Navabi, MK Motlagh, F Ahmadinia - BMC nursing, 2024

4. Evaluation of an Epidemiological Skills Laboratory Course Using a Direct Teaching
and Online Flipped Classroom Method in Iran: An Interventional Study

A Ahmadi, N Kohan*, E Rezaei, AA Haghdoost - Epidemiology and Health System
Journal, 2024

5. Designing and implementing the flipped Classroom Model for teaching first aids course
and evaluating it with the Kirkpatrick model

S Ahmady, N Kohan, AZ Zazoly, AMH Gorji – 2024

6. Medical students' perception of mobile learning during COVID-19 in Iran: A national study

S Ahmady, N Khajeali, N Kohan*, A Zarei, B Biswas... - Plos one, 2024

7. Investigating the mediating role of anxiety in academic burnout and academic performance of rehabilitation sciences students

MH Keshavarzi, SH Saneii, SZ Nahardani... - Journal of Education and Health Promotion, 2024

8. Psychometric Properties of the Persian Version of Student Evaluation of Online Teaching Effectiveness (SEOTE) questionnaire Among Medical Sciences' Students

M Abbasalizad Farhangi, S Khoshro, S Ahmady, N Kohan*... - Journal of Iranian Medical Council, 2024.

9. Research Integrity Enhancement: Integration of Post-Publication Peer Review to Alleviate Artificial Intelligence-Generated Research Misconduct

S Yaseen, N Kohan, A Ayub - Annals of King Edward Medical University, 2024

10. Medical school department chair performance improvement: A qualitative study

M Mahboubi, S Ahmady, A Mirzazadeh, A Zarei... - Plos one, 2024

11. Smart University of Medical Sciences Virtual Summer Semester from the Perspective of Its Stakeholders: A Multi-methods Cross-sectional Study

B Sabet, A Namaki, H Khani, N Kohan, HZ Hashemi... - Shiraz E-Medical Journal, 2024

12. Zooming in on factors influencing the effectiveness of teaching general courses in the medical curriculum in the Islamic Republic of Iran

M Jorjani, M Amini, N Kohan, SS Sajjadi, N Isazadeh... - Iranian Journal of Medical Ethics and History of ..., 2023

13. Elucidating the Role of Medical Professors in Promoting Health Literacy Among the Public: A Qualitative Study

M Shali, S Mohammadi, H Shahbazi, N Kohan... - Iranian Journal of Medical Ethics and History of ..., 2023.

14. Using e-learning methods for physiotherapy students learning—a systematic review and meta-analysis of the impact on knowledge, skills, satisfaction and attitudes

S ShahAli, S Shahabi, N Kohan, I Ebrahimi Takamjani... - European Journal of Physiotherapy, 2023

15.Ahmady, S., Kohan, N^{*}., Mirmoghtadaie, Z. S., Hamidi, H., Sabet Divshali, B., Rakhshani, T., & Khani Jeihooni, A. (2023). Designing and psychometric analysis of an instrument to assess learning process in a virtual environment. Smart Learning Environments, 10(1), 35.

16. Mirmoghtadaie Z, Keshavarz M, Kohan N^{*}, Ahmady S. Developing a Conceptual Model of Self-Directed Learning in Virtual Environments for Medical Sciences Students. International Review of Research in Open and Distributed Learning. 2023 May;24(2):37-52.

17.Samaneh Rokhgireh, Babak Sabet, Shahla Chaichian, Farzaneh Derakhshan, Ladan Haghighi, Roya Derakhshan, Noushin Kohan. Medical students' perceptions towards distance e-Learning in gynecology ward during the COVID-19 pandemic. Plos one.2023, 18 (3): e0283253

18.Kohan N, Keshmiri F, Askari R. Designing an assessment framework based on educational standards required for internship students. Journal of Hospital. 2022 Dec 10;21(3):65-75.

19. Ahmady S, Kohan N^{*}, Namazi H, Zarei A, Mirmoghtadaei ZS, Hamidi H. Outstanding qualities of a successful role model in medical education: Students and professors' points of view. Annals of Medicine and Surgery. 2022 Oct 1; 82:104652.

20. ShahAli S, Shahabi S, Kohan N, Ebrahimi Takamjani I, Ebrahimi R. Using e-learning methods for physiotherapy students learning—a systematic review and meta-analysis of the impact on knowledge, skills, satisfaction and attitudes. European Journal of Physiotherapy. 2022 Jun 17:1-3.

21. Safikani M, Kohan N, Jahani Y, Nouhi E. Self-Directed Learning Outcomes and Facilitators in Virtual Training of Graduate Students of Medical Education. Strides in Development of Medical Education. 2021 Dec 1; 18(1):1-6.

22. Bagheri-Nesami M, Ahmady S, Kohan N*. Relationship between information and communications technology engagement with online self-regulated learning in nursing students of Mazandaran University of medical sciences. *Journal of Nursing and Midwifery Sciences*. 2021 Oct 1; 8(4):253.
23. Janatolmakan M, Rezaei M, Khatony A, Kohan N*. Relationship between learning styles and academic performance among virtual nursing students: A cross-sectional study. *Education Research International*. 2021 Sep 15; 2021.
24. Kashfi SM, Rakhshani T, Farhoodi S, Motlagh Z, Bagherzadeh R, Kohan N. The Effect of Education of Physical Activity via Social Networks on the Quality of Life in Menopausal Women: A Randomized Controlled Trial. *Journal of Health Sciences & Surveillance System*. 2021 Jul 1; 9(3):149-54.
25. Ershad Sarabi R, Kohan N, Shafian S, Afzali F, Fatehi F, Sarafi Nejad A. A Comparative Study of the Clinical Informatics Fellowship Curriculum in Selected Universities of the World. *Journal of Health and Biomedical Informatics*. 2020 Dec 10; 7(3):232-41.
26. Rakhshani T, Kashfi SM, Motlagh Z, Kohan N. Effect of Educational Intervention Based on Self-Efficacy on Health-Promoting Behaviors in High-School Girl Students: A Quasi-Experimental Study. *International Journal of Pediatrics*. 2020 Nov 1; 8(11):12461-70.
27. Internet Addiction, Prevalence, and Related Factors: A Study on Newly Arrived Students of Hormozgan University of Medical Sciences, 2020. *International Electronic Journal of Medicine* 9 (2), 70-74.
28. Mirmoghtadaie Z, Kohan N*, Rasouli D. Determination and comparison of the factors related to effective blended learning in medical sciences from the viewpoints of instructors and learners. *Advances in medical education and practice*. 2020; 11:205.
29. Mirmoghtadaie Z, Ahmady S, Kohan N*, Rakhshani T. An interesting result of a qualitative research: Academic exhaustion barrier to professionalism in medical students. *Journal of Education and Health Promotion*. 2020; 9.

30. Kohan N, Fotouhi A, Jalili M, Gandomkar R, Amini H, Jafarian A. A framework for participatory selection of the school dean: Report of an experience. *Journal of Education and Health Promotion*. 2020; 9
31. Mirmoghtadaie Z, Ahmady S, Kohan N*, Rakhshani T. Explaining the concept and dimensions of professional functions in online learning system of medical sciences: a qualitative content analysis. *Turkish Online Journal of Distance Education*. 2019 Oct; 20(4):61-72.
32. Validity and reliability of the Persian version of the questionnaire to identify barriers and levers to best hand hygiene, *International Journal of Pharmaceutical Research*, 2019, 11 (1): 1066-1072
33. Ahmady S, Kohan N, Bagherzadeh R, Rakhshani T, Shahabi M. Validity testing of classroom community scale in virtual environment learning: A cross-sectional study. *Annals of Medicine and Surgery*. 2018 Dec 1; 36:256-60.
- 34 Ahmady, S., Yazdani, S., Hosseini, F., Forouzanfar, M. M., Tabibi, A., Ahmadiania, F. Kohan N*, ... & Mohammadi, H. (2018). A comparative study on the function and structure of medical development education office in world's top universities. *Journal of Education and Health Promotion*, 7.
35. Mohammadi, A., Kohan, N., Monajemi, F., & Bidari, A. (2017). The current stance of Continuous Medical Education and Continuous Professional Development in the world, a review article. *Journal of Medicine and Spiritual Cultivation*, 23(1).
36. Ethical Leadership: A New Approach to Medical Education. *Iranian Journal of Medical Ethics and History of Medicine*, 2013, 5.
37. Hoseinnejad, H., Kohan, N*, & Mirzaee, A. (2017). Evaluating validity of current criteria for judgment passing ER rotation among internee medical students. *Annals of medicine and surgery*, 20, 92-96.
38. Kohan, N., Arabshahi, K. S., Mojtahedzadeh, R., Abbaszadeh, A., Rakhshani, T., & Emami, A. (2017). Self-directed learning barriers in a virtual environment: a qualitative study. *Journal of advances in medical education & professionalism*, 5(3), 116.

39. Heshmati, H., Behnampour, N., Arabameri, S., Khajavi, S., & Kohan, N*. (2016). Marital Satisfaction in Refereed Women to Gorgan Health Centers. Iranian journal of psychiatry, 11(3), 198.
40. Mojtahedzadeh, R., Mohammadi, A., Kohan, N., Gharib, M., & Zolfaghari, M. (2016). Determining the Criteria and Their Weights for Medical Schools' Ranking: A National Consensus. Acta Medica Iranica, 401-406.
41. Najafi M, Kohan N, Najafi m, Mohammadzadeh eh, Shirazi M. Assessment of validity and reliability of attitudes to health professional's questionnaire (AHPQ) in Iran.
42. Voskuee Ashkuri K, Karimy M, Kohan N. Observance rates of the rights of patients in hospitals of Tehran Medical Sciences University in 2008 Journal of Medical Ethics. 2009; 2(4):47-53.
43. Voskuee Ashkuri K, Kohan N Ethical Leadership: A New Approach to Medical Education. Iranian Journal of Medical Ethics and History of Medicine. 2013;5:82.

In Persian:

۴۴. تقی نژاد، حمید. کهن، مهری. کهن، نوشین. بررسی موانع آموزش بالینی، مجله تحقیقات کیفی در نظام سلامت، سال هفتم، شماره یک، ۱۳۸۶.
۴۵. کهن، مهری. برهانی، فریبا. کهن، نوشین، عباس زاده، عباس. بررسی فراوانی سزارین و عوامل مرتبط با آن در زنان مراجعه کننده به بیمارستان افصلی پور کرمان در سال ۱۳۸۳. مجله، مجله تحقیقات کیفی در نظام سلامت، پیاپی ۱۲، ۱۳۸۵.
۴۶. سبزواری، سکینه، کهن، نوشین، نخعی، نوذر، کهن، مهری. نگرش بیماران بخش های داخلی و جراحی نسبت به حفظ محدوده قلمرو خصوصی در بیمارستان های دانشگاه علوم پزشکی کرمان، مجله تحقیقات کیفی در نظام سلامت، سال نهم شماره ۱، پیاپی ۱۸، بهار - زمستان ۱۳۸۸.
۴۷. بررسی نظرات بیماران بستری در بخش های داخلی و جراحی بیمارستان های دانشگاه علوم پزشکی کرمان نسبت به رعایت حریم شخصی، مجله تحقیقات کیفی در نظام سلامت، سال هفتم، شماره ۱، پیاپی ۱۴، بهار - زمستان ۱۳۸۶.
۴۹. طراحی، اجرا و ارزشیابی برنامه ترم تابستانی مجازی برای دانشجویان دانشگاه های علوم پزشکی کشور ایران: گزارش یک تجربه ملی، طب و تزکیه، ۱۴۰۲

B.Books

1. Assessment methods in medical education, In Persian
2. Research in medical education, In Persian

Lecture & Workshops

Conference and Seminars

1.Live Presentation of International Association for Medical Education, 2024, Panel Lecturer, 2024, Tehran- Iran.

1. Live Presentation of International Association for Medical Education, 2023, Panel Lecturer, 2023, Tehran- Iran.
2. Live Presentation of International Association for Medical Education, 2022, Panel Lecturer, 2022, Tehran- Iran.
3. Live Presentation of International Association for Medical Education, 2019, Panel Lecturer, 2019, Tehran- Iran.
4. The Second Iranian Congress on Responsive Medical Education, Panel Lecturer, 2019, Tabriz, Iran
5. The First Iranian Congress on Responsive Medical Education, Article and Poster Presenter, 2019, Tabriz, Iran
6. Live Presentation of International Association for Medical Education, 2019, Panel Lecturer, 2019, Tehran- Iran.
7. 7 and 9 th Conferences of e-learning in medical education, Two Lecture Presentation,2018, Mashhad, Iran
8. 18th National Medical Education Conference, Article and Poster Presenter, Tehran, Iran
9. 17th National Medical Education Conference, Article and Poster Presenter, Tehran, Iran
10. 16th National Medical Education Conference, Article and Poster Presenter, Tehran, Iran
11. 15th National Medical Education Conference, Article and Poster Presenter and Workshop Coordinator, Tehran, Iran
12. 14th National Medical Education Conference, Article and Poster Presenter and Ph.D. Report Presentation, Tehran, Iran

13. First Conference of Team-based Learning in Medical Education, Article and Poster Presenter, Tehran, Iran
14. Live Presentation of International Association for Medical Education, 2019, Panel Lecturer, Tehran- Iran.
15. 26th Iranian Annual Congress of Orthopedic Surgeons, Panel Lecturer, 2018, Tehran, Iran.
16. Simulation in Medical Education Conference, 2012, Article Presenter, Ankara, Turkey.
17. International Conference on Medical Education, 2015, Article Presenter, Istanbul, Turkey.
18. 15th Ottawa Conference on Medical Education, 2012, Article and Poster Presenter, Kuala Lumpur, Malaysia
19. International Congress on Addiction Study, Poster Presenter, 2014, Tehran, Iran
20. Annual Congress of Medical Ethics, Article Presenter, 2012, Tehran, Iran.
21. Annual Congress of Medical Ethics, Article Presenter, 2009, Tehran, Iran.
22. Annual Congress on Patient Education, Keynote Lecturer, 2012, Tehran, Iran.
23. 4th Congress of Spinal Cord Injury, Panel Lecturer, 2012, Tehran, Iran
24. Second International Congress on Disaster Management, Article and Poster Presenter, Tehran, Iran.
25. International Congress on Child Care, Article Presenter, 2005, 2006, 2007, Tehran. Iran
26. International Conference on Immune Deficiency Disease, 2006, Article Presenter, Tehran. Iran
27. International Congress of Otorhinolaryngology and Maxillofacial Surgery, 2007, Article Presenter
28. International Conference on Emergency Medicine, 2007, Article Presenter, Tehran. Iran
29. National Conference on Brain Death, Article Presenter, Tehran, Iran.
30. National Conference of Abdomen Surgery, Article Presenter, Tehran, Iran.

Workshop Lecturer

1. Development Research in Medical Education, Smart University of Medical Sciences, Tehran. Iran
2. Scholarship in Medical Education, Smart University of Medical Sciences, Tehran. Iran
3. Program Evaluation, Smart University of Medical Sciences, Tehran. Iran
4. Leadership Workshop, Ahvaz University of Medical Sciences and Baharloo Hospital of Tehran University of Medical Sciences.
5. e-Learning workshop, Tehran University of Medical Sciences, Tehran. Iran.
6. Blended Learning post Corona. Arak University of Medical Sciences
7. Teaching Method Workshops, Tehran University of Medical Sciences, for PhD Student, Tehran. Iran.
8. Leadership and Management Workshops, Tehran University of Medical Sciences, Tehran, Iran.
9. Effective Teaching and Learning Methods Workshops, International Campus of Tehran University of Medical Sciences, Tehran, Iran
10. CME Programs Design and Coordinate, Tehran University of Medical Sciences,
11. Many Workshops (N=50) for Clinical Staff, Health Deputy of Tehran University of Medical Sciences, Tehran, Iran.

RESEARCH PROJECTS

1. Revising the indicators of the promotion of academic staff of medical sciences universities based on their effectiveness .National Agency for Strategic Research in Medical Education (NASR), Tehran, Iran.
2. Policy recommendations for organizing the transfer of foreign students to Iranian universities of medical sciences based on ranking systems .National Agency for Strategic Research in Medical Education (NASR), Tehran, Iran.
3. Improving oral health with training at general to specialized levels for groups in need of special health services (SHCN). National Agency for Strategic Research in Medical Education (NASR), Tehran, Iran.
4. Design, implementation, and evaluation of the inferior alveolar nerve block injection training course using a clinical simulator and based on the educational curriculum of the dental students of Rafsanjani University of Medical Sciences in 2018. National Agency for Strategic Research in Medical Education (NASR), Tehran, Iran.

5. Designing, implementing, and evaluating the virtual course for family physicians in comprehensive health service centers (CCHS) of Iran's universities of medical sciences. National Agency for Strategic Research in Medical Education (NASR), Tehran, Iran.
6. Design, implementation, and evaluation of the clinical informatics virtual course for the medical sciences universities. National Agency for Strategic Research in Medical education (NASR), Tehran, Iran.
7. Designing, implementing and evaluating the system for evaluating the consequences of the virtual medical education course for faculty development in a virtual university of medical sciences. National Agency for Strategic Research in Medical Education (NASR), Tehran, Iran.
8. Investigating the effectiveness of technology-based nursing care modular training course. Smart university of medical sciences.
9. Designing of national practice guidelines for the prevention and management of preeclampsia and eclampsia and capacity building for implementation. Tehran University of medical sciences and WHO.
10. Explaining the Viewpoints of Ph.D. Students and Professors about Ph.D. of Medical Education Course. Tehran University of Medical Sciences.
11. Investigation of medical students' perception regarding mobile learning during the COVID-19 pandemic in the virtual university of medical sciences.
12. Investigation of medical students' perception regarding climate change in the Virtual University of Medical Sciences.
13. Designing a Guideline for Professional Behavior in Cyberspace at Tehran University of Medical Sciences
14. An Overview of the Structure, Approaches, and Requirements of Virtual University in Top Universities.
15. Designing, Implementation and Evaluation of Online Continuing Education Programs at Tehran University of Medical Sciences.
16. Educational outcomes and prospects for the integration of medical education with the health service system.
17. A Comparative study of the structure and performance of education Development Centers at Top Universities in the World.
18. Investigation of the educational climate of school of pharmacy of Tehran University of Medical Sciences with DREEM tool.
19. The validity and reliability of a scale to assess the attitude of health professional members to Interprofessional education (AHPQ).

20. Investigating the Happiness of Medical Students of Tehran University of Medical Sciences.
21. Designing and evaluating the validity and reliability of evaluation checklists for hospitals affiliated to Tehran University of Medical Sciences.
22. Investigation of the patient rights in hospitals affiliated to Tehran University of Medical Sciences.
23. Investigation of the effectiveness of communication skills workshop for cardiology residents.
24. Developing guideline for writing and evaluation research projects of medical education research in medical education development center of Tehran University of Medical Sciences.
25. Prevalence of cesarean section and its related factors in Kerman University of Medical Sciences.
26. Designing, Implementation and Evaluation a model of hospital service delivery outsources to the non-Governmental Sector
27. Investigation of N₂O gas leakage in operating rooms of Tehran University of Medical Sciences Hospitals.

Reviewer of Article and Poster

1. Conferences

1. 7 and 9th Conferences of e-learning in medical education, Tehran and Mashhad, Iran
2. 14, 15, 16, 17, 18, 19, 20 th, the National Medical Education Conference, Tehran, Iran
3. Congress on Clinical Competency Assessment, Tehran. Iran
4. Iranian Pharmacy Students Conference, Tehran. Iran

2. Shahid Motahari Festival

- 7, 8, 9, 10, 11 th Shahid Motahari Festival, Tehran, Iran.

3. Scholarly Journals

1. Journal of Medical Education and Development (JMED)
2. Strides in Development of Medical Education (SDME)
3. Annals of Tropical Medicine and Public Health (ATMPH)

Membership in Professional Associations and societies (Professional Memberships)

1. A member of Medical Education Board
2. A member of Scientific Committee of Science Olympiad of medical Science students.
3. A member of Total Quality Management workgroup of Ministry of Health and Medical Education in Iran.

4. A member of Iranian Association of Medical Education

HONORS AND AWARDS

1. Professor Hesabi Festival Award for Research Project about E-learning
2. E-learning in Medical Education Conference Award for Ph.D. Dissertation
3. Innovation Conference Award of Tehran University of Medical Sciences
4. Shahid Motahari Festival Award for Educational Process (2014,2016,2018,2019,)