

# NADER MARKAZI MOGHADDAM, M.D. PH.D.

Research Center for Quality Improvement of Critical Care in Modarres Hospital, Shahid Beheshti University of Medical Sciences |  
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## HIGHLIGHTS OF QUALIFICATIONS

- PhD in Healthcare Management and General Physician with over 20 years of experience in teaching, research, consultation, administrative and leadership roles in healthcare system.
- **Teaching:** Working as an Associate professor, instructed 3000+ hours of courses in Health Policy and Management.
- **Research**
  - Skilled in conducting quantitative and qualitative research– in different phases including design, data collection, analysis, and publication in recognized journals
  - Major Contributor of EMRO Project of Developing Hospital Performance Indicators
  - Skilled in Health system research projects
  - Over 40 publications in international peer reviewed journals
  - Over 20 oral and poster presentations at international and national conferences
- **Skills**
  - Consultation**
    - Senior consultant at Ministry of Health and Medical Education for several policy development projects
    - Senior consultant of 2 public universities
    - Senior consultant of 6 teaching hospitals and 4 non-teaching hospitals
  - Administration**
    - Demonstrated ability to implement Accreditation Standards in healthcare
    - Working knowledge of MS-Project, MS-Office products and Python
    - Hard worker, quick learner, efficient, flexible, and dependable
    - Demonstrated ability in teamwork
  - Leadership**
    - Excellent leadership skills and training
    - Strong skills in organizing workflow, ideas, materials, people

## DETAIL OF QUALIFICATIONS AND EXPERIENCES

### PROFESSIONAL PROFILE

- **Education**
  - Medical degree from Hamadan University of Medical Sciences (1992- 2000)
  - PhD degree in Healthcare Management from Tehran University of Medical Sciences (2008- 2014)
- **Current Occupation**
  - Member of the founding board and Research Deputy of the research center for quality improvement of critical care in Modarres Hospital, Shahid Beheshti University of Medical Sciences (since 2018)
- **Occupation**
  - Director of Office in Research Affairs at AJA University of Medical Sciences (2001-2003)
  - Member of the Board of Directors and Management Representative for Quality and Excellence in Taleghani Major Teaching Hospital (2003 -2008)
  - Associate professor of Healthcare Management at AJA University of Medical Sciences (since 2014)
- **Teaching**
  - Associate Professor in Healthcare Management, instructed 3000+ hours of courses in Health Management, Strategic Management, Quality Management and Patient safety, Process Management, Healthcare Organization and Management for MSc and PhD students in healthcare management and disaster health, Medical Students and Health System Leaders and Executive Managers (since 2001)
- **Skills**
  - Competent at managing responsibilities in a high-volume atmosphere
  - Hard worker, quick learner, ability to assume responsibility, efficient, flexible, and eager to expand leadership knowledge and skills
  - Working well under pressure to meet deadlines
  - Talented in problem solving and Health system analysis
  - Able and willing to assist supervisors, colleagues and students in a cooperative manner
  - Collaborate easily with co-workers and work well independently
  - Possess excellent communication and inter-personal skills
  - Proven Skilled at working cooperatively with people with diverse backgrounds in a team effort
  - Competent and reliable professional, and committed to top quality work
  - Enthusiastic, dependable, and self-motivated
  - Sensitive, caring and professional attitude toward staff, patients, and their families

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## PROFESSIONAL EXPERIENCE

- **Executive, Managerial and Scientific Experiences**

- **International**

- o Training of trainers for hospital managers from Afghanistan in collaboration with EMRO (2023)
- o Graduate Certificate in “Principles Quality in Healthcare and Patient Safety” from The University of North Carolina at Pembroke, USA (2023)
- o Major Contribution to EMRO Project of Developing Hospital Performance Indicators (2021)

- **Domestic (Iran)**

- o Demonstrated success in consultation, management, and analysis (since 2003)
  - Consulted and documented situational analysis
  - Led design and implementation projects in hospitals and the health system related to Accreditation standards, Strategic and operational Planning, Quality management, process management, Hospital Accounting System, Human resources Planning, etc. (Successful strategic implementation in 10 teaching and non-teaching hospitals and 2 Universities)
  - Fully experienced in stakeholder communication, management and engagement
- o Senior Advisor for Strategic Management in Rajae Cardiovascular Institute (since 2024)
- o Project manager in Process Classification and Mapping for hospitals of Iran in the MOHME (2019 – 2021)
- o Chairman of the Committee on Education Transformation and Innovation Packages in Medical Sciences at AJA University (since 2019)
- o Member of the board of directors in Healthcare Systems Engineering Association of Iran (since 2018)
- o Director of the Department of Health Management and Economics at AJA University of Medical sciences (since 2018)
- o Head of the field of entrepreneurship Management at AJA University of Medical sciences (since 2018)
- o Member of the Steering committee for quality improvement of primary healthcare in the MOHME (2017-2018)
- o Member of the National Trainers Group for the empowerment courses for Leaders and Executive Managers of public hospitals in Iran (since 2016)
- o Advisor and member of the Board of Authors for the National Hospital Accreditation Standards in the MOHME (2015-2017)
- o Advisor for Implementation of Institutional Accreditation in Shahid Beheshti University of Medical Sciences (2015-2017)
- o Senior Advisor for Hospital quality improvement and accreditation in Iran (since 2014)
- o Senior Advisor for development of healthcare Excellence Model in the MOHME (2010-2011)
- o Member of the Committee for Operational Planning in the MOHME (2010-2011)
- o Secretary and member of the board of directors in the Scientific Association of Hospital Affairs (2010-2023)
- o Assistant to the Chief Editor, Member of Editorial Board and Peer-Review Committee of Hospital Journal (2010-2023)
- o Director of Office in Research Affairs at AJA University of Medical Sciences (2001-2003)
- o Member of the Board of Directors and Management Representative for Quality and Excellence in Taleghani Teaching Hospital affiliated with Shahid Beheshti University of Medical Sciences (2003 -2008)
  - o Member of the Expert committee for compiling the statute of the Student Research Centers for Universities of Medical Sciences in the MOHME (1998)
  - o Secretary of Student Research Center in Hamadan University of Medical Sciences (1996-1999)

Authored and co-authored over 50 articles in English and Persian peer-reviewed journals

## SELECTED PUBLICATIONS

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- Hajiesmaeili M., Nooraei N., Malekpour Alamdari N., Farzanegan Bidgoli B., Zargar Balaye Jame S., **Markazi Moghaddam N.**, Fathi M. (2024). Clinical phenotypes of patients with acute stroke: a secondary analysis. *Romanian Journal of Internal Medicine*, vol. 62, no. 2, Sciendo, pp. 168-177. <https://doi.org/10.2478/rjim-2024-0003>
  - Salarvand A, Khoshvaghti A, Sharififar S, Jame SZB, **Markazi-moghaddam N**, Zareiyani A. (2024). Hospital Performance Evaluation Checklist in Context of COVID-19 Pandemic: Design and Validation. *Disaster Medicine and Public Health Preparedness*;17: e570. doi:10.1017/dmp.2023.220
  - **Markazi-Moghaddam, N.**, Mohammadimehr, M., Nikoomanesh, M. *et al.* (2024). Developing a quality and safety assessment framework for Iran’s military hospitals. *BMC Health Serv Res* 24, 775. <https://doi.org/10.1186/s12913-024-11248-w>
  - Homauni A, **Markazi-Moghaddam N**, Mosadeghkhah A, Noori M, Abbasiyan K, Jame SZB. (2023). Budgeting in Healthcare Systems and Organizations: A Systematic Review. *Iran J Public Health*. Sep;52(9):1889-1901. doi: 10.18502/ijph.v52i9.13571. PMID: 38033850; PMCID: PMC10682572.
  - Rahimi H, Goudarzi R, **Markazi-Moghaddam N**, Nezami-Asl A, Zargar Balaye Jame S (2023). Cost-benefit analysis of Intensive Care Unit with Activity-Based Costing approach in the era COVID-19 pandemic: A case study from Iran. *PLOS ONE* 18(5): e0285792. <https://doi.org/10.1371/journal.pone.0285792>
  - **Moghaddam NM**, Jame SZ, Azami-Aghdash S, Nikoomanesh M, Rezapour R.(2023)A systematic review and meta-analysis of health care quality in Iran based on the comprehensive quality measurement in health care model. *Int J Prev Med*; 14:10. DOI: 10.4103/ijpvm.ijpvm\_238\_21
  - **Markazi Moghaddam N**, Fathi M, Zargar Balaye Jame S, Darvishi M, Mortazavi M (2023). Association of Glasgow coma scale and endotracheal intubation in predicting mortality among patients admitted to the intensive care unit. *Acute and Critical Care*, 38(1):113-121.<http://dx.doi.org/10.4266/acc.2022.00927>

- Fathi, M., **Markazi-Moghaddam, N. \***, Kheyraati, L. (2022). Development and validation of models for two-week mortality of inpatients with COVID-19 infection: a large prospective cohort study. *Statistical Analysis and Data Mining: The ASA Data Sci Journal*, pp.1-12. <https://doi.org/10.1002/sam.11572> (\*Corresponding Author)
- Fathi, M., **Markazi-Moghaddam, N. \***, Naderi Jahromi, S. (2022). A prognostic model for 1-month mortality in the postoperative intensive care unit. *Surgery Today*, pp.1-9 (\*Corresponding Author)
- Fathi M, **Markazi Moghaddam N**, Zargar Balaye Jame S, Darvishi M, Mortazavi M (2022). The association of Glasgow Coma Scale score with characteristics of patients admitted to the intensive care unit, *Informatics in Medicine Unlocked*, 29, 100904, <https://doi.org/10.1016/j.imu.2022.100904>.
- **Markazi-Moghaddam, N.**, Fathi, M., Ramezankhani, A. (2020). Risk prediction models for intensive care unit readmission: A systematic review of methodology and applicability. *Australian Critical Care*, 33(4), pp. 367-374
- **Markazi-Moghaddam, N.**, Jame, S.Z.B., Tofighi, E. (2020). Evaluating patient flow in the operating theater: An exploratory data analysis of length of stay components. *Informatics in Medicine Unlocked*, 19, 100354. <https://doi.org/10.1016/j.imu.2020.100354>
- Homauni, A., Zargar Balaye Jame, S., Hazrati, E., **Markazi-Moghaddam, N. \*** (2020). Intensive care unit risk assessment: A systematic review. *Iranian Journal of Public Health*, 49(8), pp. 1422-1431 (\*Corresponding Author)
- Fathi, M., **Markazi-Moghaddam, N.**, Ramezankhani, A. (2019). A systematic review on risk factors associated with sepsis in patients admitted to intensive care units. *Australian Critical Care*, 32(2), pp. 155-164
- **Markazi-Moghaddam, N.**, Kazemi, A., Alimoradnori, M. (2019). Using the importance-performance analysis to improve hospital information system attributes based on nurses' perceptions. *Informatics in Medicine Unlocked*, 17, 100251
- **Markazi-Moghaddam, N.**, Jame, S.Z.B., Rafiei, S., (...), Ghamchili, A., Shafii, M. (2019). Managerial competencies of head nurses: A model and assessment tool. *British Journal of Nursing*, 28(1), pp. 30-37
- **Markazi-Moghaddam, N.**, Arab, M., Ravaghi, H., (...), Khatibi, T., Zargar Balaye Jame, S. (2016). A knowledge map for hospital performance concept: Extraction and analysis: A narrative review article. *Iranian Journal of Public Health*, 45(7), pp. 843-854
- **Markazi-Moghaddam, N.**, Aryankhesal, A., Arab, M. (2014). The first stages of liberalization of public hospitals in Iran: Establishment of autonomous hospitals and the barriers. *Iranian Journal of Public Health*, 43(12), pp. 1640-1650
- A. Ramezankhani, **N. Markazi Moghaddam**, A. Haji Fathali, H. Jafari, M. Heidari Monfared, M. Mohammadnia (2010). The rate and causes of surgery cancellation: Identifying areas for improvement. *Hospital*, 8(3), pp. 27-34

## **SELECTED PRESENTATIONS AT CONFERENCES**

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- Lecture on “Management of Medical Practice Errors and Unfortunate Events with Employment of GTT Tools” at the 1st virtual conference about patient safety and medical education, May 2021, Tabriz, Iran
- Lecture on “Process Improvement in Hospital by Results Chain Approach” at the 10th International Conference on Hospital Management, July 2018, Tehran, Iran
- Lecture on “Medical Error Adverse Event in Critical Care Medicine: Application of GTT” at the 1st International conference on Critical Care Systems, Technology and Management, September 2018, Tehran, Iran
- Lecture at the Conference on Accreditation and Quality Improvement in the Medical Equipment Unit, “Quality Cost Analysis in Medical Equipment Management: Necessities and Methods”, January 2018, Tehran, Iran
- Lecture on “Sustaining Quality Improvement in Hospitals” at the 9th International Conference on Hospital Management, June 2017, Tehran, Iran
- Lecture on “Balanced Scorecard in Healthcare” at the Iran-France Joint Conference at Shahid Beheshti University of Medical Sciences, December 4th-6th 2016, Tehran, Iran
- Lecture on “Management and Leadership in Hospital Accreditation” at Urmia University of Medical Sciences, November 2016, Urmia, Iran
- Lecture on “Assessment Skills” at the Conference on Patient Safety Assessor Training, Shahid Beheshti University of Medical Sciences, September 2016, Tehran, Iran
- Lecture on “Establishing National Accreditation Standards in Iranian Hospitals: Opportunities and Challenges” at the 8th Hospital Management Meeting on Innovative Approach to Hospital Management, August 2016, Tehran, Iran
- Lecture on “Management Standards and Performance Improvement of Healthcare Centers” at the New Management Standards in Healthcare Centers Conference at Shahid Beheshti University of Medical Sciences, March 2016, Tehran, Iran
- Lecture on “Cost and Revenue Management” at the Hospital Management Conference at Birjand University of Medical Sciences, January 2015, Birjand, Iran
- Oral presentation on “The Challenges and Obstacles of autonomous Hospitals in Iran” at the expert panel of the 5th International Conference on Hospital Management, June 2013, Tehran, Iran
- Oral presentation on “Organizational excellence model - Hospital management customization” at the 8th Conference on Organizational Excellence, March 2011, Tehran, Iran
- Oral presentation on “Impeding Factors of Organizational Excellence in Healthcare Organizations” at the 8th Conference on Organizational Excellence, March 2011, Tehran, Iran
- Oral presentation on “The Role of Research and Development Activities in The Excellence of Hospitals” at the National Conference on Hospital Management, January 2009, Kish Island, Iran

## **APPRECIATIONS & AWARDS**

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- (2021) Received commendation letter from Health Minister’s Deputy for treatment of Iran for conducting the Project of Process Classification and Mapping for hospitals
- (2016) Received commendation letter from Health Minister’s Deputy for treatment of Iran for participating in the development of National Hospital Accreditation Standards
- (2012) Received commendation letter from the President of the Industrial Management Organization of Iran for participation in the Scientific Committee of the Organizational Excellence Award in Iran
- (2011) Received commendation letter from Iran’s health minister for participating in development of Health System Transformation Map
- (2011) Received commendation letter from Health Minister’s Deputy for treatment of Iran for active participating in national evaluation of hospitals in Iran for clinical governance
- (2010) Received commendation letter from Iran’s Health Minister for developing the operational plan at the Ministry of Health
- (1997) Received commendation letter from the university’s vice chancellor for activity in the Student Research Center in Hamadan University of Medical Sciences, Iran
- (1990) Winning the championship medal in the National Youth Volleyball competitions from the Volleyball Federation of Iran
- (1989) Acquiring 1st place of the Volleyball competitions in the Schools of Hamadan Province from the General Directorate of Physical Education

References available upon request