

## Personal



# Malihe Sadeghi

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## Academic

<b>PhD</b>	Health Information Management
	Iran University of Medical Science
	Thesis title: Developing a child malnutrition registry system in Iran
	Supervisor: Dr. Mostafa Langarizadeh
<b>Masters' (M.Sc.) degree</b>	Health Information Technology (Medical Record)
	Tehran University of Medical Sciences
<b>Bachelors' (B.Sc.) degree</b>	Medical Record
	Mazandaran University of Medical Sciences

## Work Experience

- Membership in the " Artificial Intelligence Excellence Committee". Semnan University of Medical Sciences, September 2023 until Present.
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- Responsible for the Establishment of Smart Faculty, Semnan University of Medical Sciences. July 2023 until present.
- Membership in the "Brilliant Talent Committee". Semnan University of Medical Sciences, May 2023 until Present.
- Head of" Self-evaluation committee of health information technology training course". Department of Health Information Technology, Semnan University of Medical Sciences. Full-time. January 2023 until Present.

- Head of " Health Information Technology Department", Semnan University of Medical Sciences, January 2023 until Present.
- Membership in the " Institutional accreditation committee and formulation of the strategic plan of paramedical faculty". Department of Health Information Technology, Semnan University of Medical Sciences. Full-time. April 2022 until the Present.
- Working Group Member of the "Comprehensive quality management in medical science education " . Semnan University of Medical Sciences, July 2022 until Present.
- Membership in the" policy working group of disease registries and health consequences". Semnan University of Medical Sciences, October 2022 until Present.
- Manager of Education Development Office. School of Allied Medical Sciences, Semnan University of Medical Sciences. February 2022 until November 2023
- Assistant Professor. Department of Health Information Technology, Semnan University of Medical Sciences. Full-time. April 2022 until the Present.
- Lecturer, Department of Health Information Technology, Semnan University of Medical Sciences, September 2013 until March 2022.
- Manager of statistics and coding of diseases, Velayat Hospital in Damghan City, Semnan, Iran. June 2007 until September 2013.

## Interesting Fields

- Digital Health
- Development of Clinical Decision Support Systems
- Machine Learning
- Development of health registry systems
- Mhealth, Mobile app
- Health Informatics in Children & Nutrition
- Telemedicine
- Electronic Health Record

## Research Experience

<b>Project Manager &amp; Researcher</b>	Semnan University of Medical Sciences Topic: The design and implementation of a Registry system for Poisoning  December 2023 to Present
<b>Project Manager &amp; Researcher</b>	Semnan University of Medical Sciences Topic: Discovering hidden models in poisoning data using machine learning tools November 2023 to Present

<b>Project Manager &amp; Researcher</b>	Semnan University of Medical Sciences Topic: Providing machine learning models to diagnose brain tumors using medical images October 2023 to Present
<b>Researcher</b>	Iran University of Medical Sciences Topic: The design and implementation of a medical decision support system based on artificial intelligence for Hemophilia March 2023 to Present
<b>Project Manager &amp; Researcher</b>	Semnan University of Medical Sciences Topic: The design and implementation of a medical decision support system based on artificial intelligence to register and analyze data of Extracorporeal Shock Wave Lithotripsy (ESWL) February 2019 to August 2023.
<b>Research Assistant</b>	Semnan University of Medical Science Title: Development of the SRS document for dietetic application of hemodialysis for nutritionists 2023 August to present
<b>Researcher</b>	Semnan University of Medical Sciences Topic: Mobile applications for prematurity 2021 February to 2022
<b>Researcher</b>	Iran University of Medical Sciences Topic: Developing Nutrition Registry Systems for Iranian Children February 2019 to November 2021.
<b>Researcher</b>	Iran University of Medical Sciences Topic: Discovering hidden patterns available in data of self-immolation using Data Mining techniques 2018 November to 2021
<b>Researcher</b>	Iran University of Medical Science Topic: The Impact of Mobile Apps Usage on children's nutrition outcomes: A Systematic Review 2018 November to 2020
<b>Guest researcher</b>	Urmia University of Medical Sciences Topic: Investigating medical centres of West Azarbaijan province to implement telepathology 2015 April to 2017
<b>Research Assistant</b>	Semnan University of Medical Sciences Topic: Feasibility of implementing identification system technology through radio waves in educational hospitals of Semnan University of Medical Sciences 2015 March to 2017
<b>Researcher</b>	Semnan University of Medical Sciences Topic: Examining admission and unnecessary stay of hospitalized patients in affiliated hospitals of Semnan University of Medical Sciences 2013 March to 2014
<b>Publication</b>	
1- <b>A systematic review on machine learning algorithms to predict the length of stay for COVID-19 patients</b>	

2- **Global, regional, and national mortality due to unintentional carbon monoxide poisoning, 2000–2021: results from the Global Burden of Disease Study 2021**

GBD 2021 Carbon Monoxide Poisoning Collaborators

Journal: Lancet Public Health. (Impact Factor: 50)· October 6, 2023

3- **Designing and evaluating the children's developmental motor disorders system: an experience from a developing country**

Journal: BMC Medical Informatics and Decision Making (Impact Factor: 3.50)· Jul 8, 2023 .

Elahe Gozali<sup>1</sup>, Reza Safdari<sup>2</sup>, Bahlol Rahimi<sup>1</sup>, Marjan Ghazisaeedi, Hamidreza Farrokh-Eslamlou and Malihe Sadeghi\*(corresponding author)

4- **Prevalence, years lived with disability, and trends in anaemia burden by severity and cause, 1990–2021: findings from the Global Burden of Disease Study 2021**

Journal: The Lancet Haematology (Impact Factor: 24.7) · Sep 1, 2023

5- **Effective factors in diagnosing the degree of hepatitis C using machine learning**

Journal: Frontiers in Health Informatics · Scopus. Apr 16, 2023

Mohammadjavad Sayadi, Vijayakumar Varadarajan, Elahe Gozali, Malihe Sadeghi\* (corresponding author), Frontiers in Health Informatics, 2023.

6- **Outcome's Classification in Mobile Applications Tailored to Parents of Premature Infants: A Systematic Review**

Journal: Iranian Journal of Public Health. 2023 (IF: 1.479)

Farzaneh Kermani, Mehdi Kahouei, Ali Valinejadi, Malihe Sadeghi, Marjan Momeni, \*Shahrbanoo Pahlevanynejad

7- **Adolescent transport and unintentional injuries: a systematic analysis using the Global Burden of Disease Study 2019**

GBD 2019 Adolescent Transport and Unintentional Injuries Collaborators\*

Journal: Lancet Public Health 2022. (Impact Factor: 50 )

8- **Mobile apps for weight management in children and adolescents; An updated systematic review**

Journal: Patient Education and Counseling (Impact Factor: 2.940), Sep 2021

Authors: Mostafa Langarizadeh, Malihe Sadeghi\*(corresponding author), Atefeh As'habi, Pakzad Rahmati, Abbas Sheikhtaheri

9- **The association between omentin and diabetes: a systematic review and meta-analysis of observational studies**

Journal: Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy (Impact Factor: 3.168), July 2019

Authors: Atefeh As'habi, Malihe Sadeghi, Arman Arab, Hossein Hajianfar

**10- Mobile applications for prematurity: a systematic review protocol**

Journal: BMJ Paediatrics Open, 2021 (Impact Factor: 2.60)

Authors: Malihe Sadeghi\*( corresponding author), Mehdi Kahouei, Shahrbanoo Pahlevanynejad, Ali Valinejadi, Marjan Momeni, Farzaneh Kermani, Hamed Seddighi

**11- A Survey of implementation status of child nutrition surveillance systems, registry systems and information systems: a scoping literature review protocol**

Journal: BMJ Paediatrics Open, 2021 (Impact Factor: 2.60)

Authors: Malihe Sadeghi, Mostafa Langarizadeh, Beheshteh Olang, Hamed Seddighi, Abbas Sheikhtaheri

**12- Assessing hospital readiness for radio frequency identification device implementation in Iran: A conceptual model**

Journal: Asian Biomedicine, (Impact Factor : 0.267), 2018

Authors: Malihe Sadeghi, Pakzad Rahmati, Zahra Ramezani Pour, Elham Goharinejad, Mehdi Kahouei

**13- Stakeholder perspectives on relationship between factors affecting readiness for radio frequency identification implementation**

Journal: Koomesh, 2019

Authors: Malihe Sadeghi, Misagh Zahiri Esfahani, Pakzad Rahmati, Zahra Ramezani Pour, Elham Goharinejad, Mehdi Kahouei

**14- Preconceived Stakeholders' Attitude Toward Telepathology: Implications for Successful Implementation**

Journal: Journal of Pathology Informatics, 2017

Authors: Elahe Gozali, Reza Safdari, Malihe Sadeghi, Marjan Ghazi Saeidi, Sharareh R. Niakan Kalhori, Farahnaz Noroozinia, Zahra Zare Fazlollahi, Bahlol Rahimi

**15- Diagnosis of diseases using data mining**

Journal: Medical Technologies Journal, 2017

Authors: Gozali Elahe, Rahimi Bahlol, Sadeghi Malihe, Safdari Reza

**16- Improvement of patient safety through implementation of electronic medical records**

Journal: Medical Technologies Journal, 2017

Authors: Gozali Elahe, Ghazisaiedi Marjan, Sadeghi Malihe, Safdari Reza

**17- Predictors of Inappropriate Hospital Stay: Experience from Iran**

Journal: Global Journal of Health Science; 2015

Authors: Ali asghar Ghods, Roghayeh Khabiri, N ayereh Raeisdana, Mehry Ansari, Nahid Hoshmand Motlagh, Malihe Sadeghi, Ehsan Zarei

**18- Determinants of staff's knowledge of Insurance companies from the patient's Bill of rights**

Journal: Research Journal of Medical Sciences, 2015

Authors: Mehdi Kahoui, Malihe sadeghi, Zahra Ahmadi, Marzie Azizmoghadam

**19- Deliberate Self-Harm Among Patients Referring to the Emergency Room in Damghan, Iran**

Journal: Iran J Psychiatry Behav Sci, 2014. (IF : 1.00)

Authors: Masuadeh Babakhanian, Malihe Sadeghi, Elham Mohamadpur , Hanieh Rezazade

**20- Nonmedical Abuse of Benzodiazepines in Opiate-Dependent Patients in Tehran, Iran**

Journal: Iran J Psychiatry Behav Sciences, 2012. (IF : 1.00)

Authors: Masuade Babakhanian, Malihe Sadeghi, Nader Mansoori, Zahra Alam Mehrjerdi, Mahmood Tabatabai

**21- Letter to Editor: Electronic Medical Record, Step toward Improving the Quality of Healthcare Services and Treatment Provided to Patients**

Journal: Journal of Ardabil University of Medical Sciences

Authors: Gozali E, Langarizadeh M, Sadooghi F, Sadeghi Malihe

**22- Possibility of Telepathology Implementation with Point of View the Presence of Manpower Standards as a Requirement for Implementation in Training Hospital of Tehran University of Medical Sciences**

Journal: Health Inf Manage 2013

Authors: Farahnaz Sadoughi, Maliheh Sadegh\*(corresponding author), Mostafa Langarizadeh

**23- Survey Of Telepathology Implementation Feasibility In The Teaching Hospitals Affiliated To Tehran University Of Medical Sciences**

Journal: Payavard Salamat

Authors: Sadoughi Farahnaz, Sadeghi Malihe\*(corresponding author), Langarizadeh Mostafa, Gozali Elahe

**24- Survey of pathology training through Telepathology System**

Journal: Iranian Journal of Medical Informatic

Authors: Farahnaz Sadoughi, Mostafa Langarizadeh, Malihe Sadeghi

**25- Implementing remote pathology in medical centers of western Azerbaijan Province : Feasible requirements and legal standards**

Gozali E, Zarefazlollahi Z, Rahimi B, Sadoghi F, Sadeghi M\*(corresponding author), MehdiAkhgar M

## Teaching Experience

**Semnan University of Medical Sciences, 2013 to now**

- Health Information Systems Management
- Health Information Technology Department Management
- Health Information Resources Management
- Health Information Systems
- Technology Management in Healthcare
- Health Information Management in Crises
- Health indicators and data analysis
- Principles of Individual Management in the Workplace

	<ul style="list-style-type: none"> <li>• Health Technology Management</li> <li>• Health Information Technology 1</li> <li>• Health Information Technology 3</li> <li>• Health Information Technology 2</li> <li>• HIM (Health Information Management) Special Language</li> <li>• Specialized Classification and Naming System</li> <li>• Principles of Personal Management</li> <li>• Classification and Naming Systems</li> <li>• Health Informatics 1</li> <li>• Health Informatics 2</li> <li>• Specialized Language</li> <li>• Apprenticeship in Fields 1 and 2</li> <li>• Apprenticeship Fields 3 and 4</li> <li>• Electronic Health Record (EHR)</li> <li>• Coding and Naming Systems</li> <li>• Disease Coding According to the Latest Edition</li> </ul>
<b>Iran University of Medical Sciences, 2018 September to 2019 July</b>	<ul style="list-style-type: none"> <li>• Apprenticeship for Health Information Technology "Bachelor's Students"</li> </ul>

## Reviews

### The Names of Journals :

- Digital Health
- BMC Health Services Research
- International Journal of Human-Computer Interaction
- BMC Pregnancy and Childbirth
- BioMed Research International
- Advanced Biomedical Research
- JMIR publication
- Middle East Journal of Rehabilitation and Health
- Razi Journal of Medical Sciences
- KOOMESH

## Conferences

Article Title	Date	Location	Congress Name	Present Type
Designing a platform for providing intelligent disease diagnosis service using machine learning tools	2023	Semnan	The first health startup event of Semnan University of Medical Sciences	Oral
Necessity of Using Electronic Systems for Recording and Monitoring of Development Disorders in Children to Improve Patient Safety	2023/5	Urmia	The first international conference and the fourth national conference on patient safety	Poster

Registration and Monitoring Systems and Patient Safety	2023/5	Urmia	The first international conference and the fourth national conference on patient safety	Poster
Challenges and opportunities of disease registry systems in Iran	2023/3	Semnan	The 8th annual conference of Semnan University of Medical Sciences	Key Speaker
-	2023/3	Semnan	The 8th annual conference of Semnan University of Medical Sciences	Member of the Board of Paramedical Panel
The use of scientific websites in improving the level of education and public health	2023/3	Semnan	The 8th annual conference of Semnan University of Medical Sciences	Poster
Investigating food insecurity during the Covid pandemic	2023/3	Semnan	The 8th annual conference of Semnan University of Medical Sciences	Poster
Prioritization the Capabilities of Cloud Computing in the Telemedicine Implementation in Iran	2022 February	Isfahan	The International Telemedicine Conference	Oral
The Use of Telepathology in the Crisis of Covid 19	2022 February	Isfahan	The International Telemedicine Conference	Poster
Teleneurology in the COVID-19 pandemic crisis: A look at the experience of countries	2022 June	Tehran	5th National Conference in Information Technology and Health Promotion Focusing on Telehealth	Poster
Identification and validation of the requirements of the registration system for children's movement disorders	2022/2	Semnan	The 7th annual research conference of Semnan University of Medical Sciences	Poster
Prevalence of Deliberate Self-Harm in Substance Abusers Referring to the Emergency Department of Baradaran e Rezaee Hospital in Damghan	2016	Sari	Conference of hospital emergencies	Top Poster
Determining the information needs of implementing the Telepathology system in the medical centers of West Azarbaijan province	2015	Tehran	The fourth national conference on the promotion of health information management and its role in the implementation of the transformation plan of the country's health system	Oral
The ability of teaching hospitals of Urmia University of Medical	2015	Tehran	A conference on ways to improve health	Oral

Sciences to establish Electronic Medical Records in terms of the existence of legal standards as one of the implementation requirements			information management in hospitals	(Top speech)
RFID application in the treatment of cancer patients	2015	Semnan	The second annual conference of Semnan medical sciences	Poster
RFID: A New technology in healthcare	2015	Semnan	The second annual conference of Semnan Medical Sciences	Poster
Telepathology: A new system in pathology education	2014	Semnan	The second annual conference of Semnan Medical Sciences	Poster
Survey of teaching hospitals of Tehran University of Medical Sciences for the implementation of telepathology system	2014	Tehran	The 15th Medical Science Education Conference	Poster
E-learning is a need of today's society	2014	Tehran	The 15th Medical Science Education Conference	Poster
The effect of life skills training in health promotion for women	2013	Urmia	International Congress on Women's Health Promotion	Poster
Electronic health information exchange and patient safety	2012	Urmia	The second national conference on patient safety	Poster
Investigating the incidence of cancer in women of Damghan City	2010	Sharekord	National conference on improving the health of women and girls	Oral
Pilot Study on the Incidence of Deliberate Self-harm Among Patients Referring to the Emergency Room of Baradaran Rezaee Hospital in Damghan, Iran	2010	Mashhad	The 11 <sup>th</sup> International Congress Iranian Society Toxicology	Poster
The Assessment of Risky Behaviors Impulsivity Prevalence in Damghan Baradarane Rezai Hospita	2010	Mashhad	The 11 <sup>th</sup> International Congress Iranian Society Toxicology	Poster