

Abbas Sheikhtaheri, PhD

Health Information Management and Technology

Iran University of Medical Sciences (www.iums.ac.ir)

Department of Health Information Management and Health Informatics

Assistant professor

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Education

- Tehran University of Medical Sciences, Health Information Management, PhD, 2008-2012
- Shahid Beheshti University of Medical Sciences, Health Information Technology (Medical Records), MSc, 2004-2007
- Shahid Beheshti University of Medical Sciences, Health Information Technology (Medical Records), BSc, 1999-2003

Dissertation

- Developing a model for patient safety information system for Iranian Hospitals, PhD, Tehran University of Medical Sciences
- Developing a model for reorganizing health information management department in Iran, MSc., Shahid Beheshti University of Medical Sciences

Academic positions

1. Full time faculty member, Iran University of Medical Sciences, 2014- Now.
2. Full time faculty member, Tehran University of Medical Sciences, 2013- 2014.
3. Part time lecturer, Iran University of Medical Sciences, 2012- 2014.
4. Part time lecturer, Shahid Beheshti University of Medical Sciences, 2010-2012.
5. Full time lecturer, Kashan university of Medical Sciences, 2007-2008.

Academic teaching experiences

Iran University of Medical Sciences

PhD in medical informatics

- Ethics and medical informatics (2014-Now)
- Telemedicine (2014-Now)
- Analyzing and modeling the business processes and workflows/process mining (2018-Now)
- Data mining and knowledge discovery (2014-Now)

Master in medical informatics

- Application of information technology in health industry (2012-2014)
- Data standards and coding (classification) systems (2014-Now)
- Electronic health record (2014-Now)

PhD in health information management

- Quality improvement methods (2014-Now)
- Analysis and development methods for information systems (2012-2016)
- Data mining (2014-Now)

Master in health information technology

- Managing health information systems (2014-Now)
- Health nomenclature and classification system (2014-Now)
- Health care evaluation methods (2014-Now)

Undergraduate in health information technology

- Information technology in crisis management (2012-2014)
- Data quality (2014-2018)
- Clinical coding (2014-2018)
- International classification systems (2014-2018)
- Health Information Technology 1 (2014-2018)
- Health Information Technology 2 (2014-2018)
- Information technology in crisis management (2014-2018)
- Electronic health record (2014-2018)
- Research seminar (2014-2018)
- Research methods (2014-2017)

Other majors

- Information systems Management (MSc of Health economics)
- Management information systems (undergraduate of Health management)

Tehran University of Medical Sciences

PhD in medical informatics

- Ethics and medical informatics (2012-2014)
- Telemedicine (2012-2014)

Master in medical informatics

- Electronic health record (2012-2016)

PhD in health information management

- Quality improvement methods (2012-2016)
- Analysis and development methods for information systems (2012-2016)
- Disease surveillance and monitoring systems (2012-2016)
- Planning for information management (2012-2013)

Master in health information technology

- Health care evaluation methods (2012-2014)
- Research seminar (2012-2014)
- Management of health information systems (2012-2013)

Undergraduate in health information technology

- Data quality (2012-2014)
- Health Information Technology 1 (2012-2014)
- Health Information Technology 2 (2012-2014)
- Information technology in crisis management (2012-2014)
- Research methods (2012-2014)
- Research seminar (2012-2014)
- Health information management 1 (2012-2014)
- Health information management 2 (2012-2014)

Other majors

- Information systems Management (MSc of Health economics) (2012-2014)
- Management information systems (undergraduate of Health management) (2012-2014)

Shahid Beheshti University of Medical Sciences

- Storage of health information (2010-2012)
- Medical records (2010-2012)

Kashan University of Medical Sciences

- Storage of health information (2007-2008)
- Medical records (2007-2008)
- Clinical coding
- Research methods (2007-2008)
- Research seminar (2007-2008)

Publications

Articles in English

1. Sadoughi F, Erfannia L, **Sheikhtaheri Abbas**. How the health sector can overcome the challenges of migrating to the cloud? A Framework based on a Mix Method approach. Under review.
2. Hasani N, Hosseini F, **Sheikhtaheri Abbas**. Does implementing the picture archiving and communication system increase accuracy of physicians' diagnoses on CT and radiography examinations in Emergency Departments? Under review.
3. Ahmadi H, Shahmoradi L, Sadoughi F, Nilashi M, **Sheikhtaheri Abbas**. A MCDM approach to evaluate inter and intra-organizational factors and adoption of hospital information systems. Under review.
4. Mashoof E, Nahvijou A, **Sheikhtaheri Abbas**. A model for developing patient portals for women with breast cancer. Under review.
5. Ahmadi H, Shahmoradi L, Sadoughi F, Nilashi M, **Sheikhtaheri Abbas**. The role of brand on customer loyalty: a systematic literature review and classification. Under review.
6. Sabbaghi H, Ahmadieh H, Daftarian N, Suri F, Saviz P, Khorrami F, Madani S, **Sheikhtaheri Abbas**. A health terminological system for inherited retinal diseases: content coverage evaluation and a proposed novel classification. Under review.
7. Moulaei K, Malek M, **Sheikhtaheri Abbas**. Developing a smart wearable device for monitoring and self-care of the diabetic foot. Under review.
8. Mohammadi M, Rawassizadeh R, **Sheikhtaheri Abbas**. A patient-centered security framework for sharing patients' health information in health social networks. Under review.
9. Nilashi M, Ahmadi H, **Sheikhtaheri Abbas**, et al. Remote tracking of Parkinson's Disease progression using ensembles of Deep Belief Network and Self-Organizing Map. Expert Systems with Applications; 2020 (159): 113562. WOS (IF: 5.45, Q1). [link]
10. Aliabadi A, **Sheikhtaheri Abbas**, Ansari H. EHR-based disease surveillance systems: a systematic literature review on challenges and solutions. Journal of American Medical Informatics Association. 2020; In press. WOS (IF: 4.11, Q1).
11. Kermani F, **Sheikhtaheri Abbas**, Zarkesh M, Tahmasebian S. Neonatal mortality risk factors in Neonatal Intensive Care Units (NICUs): A systematic review. Journal of Pediatric and Neonatal Individualized Medicine; 2020. In press. WOS/Pubmed.

12. Kermani F, Orooji A, **Sheikhtaheri Abbas**. Teleoncology for children with cancer: A scoping review on applications and outcomes. *International Journal of Medical Informatics*; 2020 (139): 104118. WOS/Pubmed (IF: 3.01, Q1). [[link](#)]
13. Hamedan F, Orooji A, Sanadgol H, **Sheikhtaheri Abbas**. Clinical decision support system to predict chronic kidney disease: a fuzzy expert system approach. *International Journal of Medical Informatics*; 2020 (138): 104134. WOS/Pubmed (IF: 3.01, Q1). [[link](#)]
14. Khorrami F, Shahi M, DavariDolatabadi N, Alishan Karami N, HasaniAzad M, Jafariyan F, **Sheikhtaheri Abbas**. Implementation of regional COVID-19 registry in Hormozgan (RCovidRH), Iran: Rationale and study protocol. *Medical Journal of the Islamic Republic of Iran*; 2020;34:96. Pubmed [[Link](#)]
15. **Sheikhtaheri Abbas**, Nahvijou A, Mashoof E. Information needs of women with breast cancer: a review of the literature. *Frontiers of Medical Informatics*; 2020; 9(1): e30. [[link](#)]
16. Hashemi N, MalekzadehS, Hashemi N, **Sheikhtaheri Abbas**. Nurses' Viewpoints on barriers and facilitators to use hospital information system. *Stud Health Technol Inform*, 2020; 271:161-167. WOS/Pubmed. [[Link](#)]
17. **Sheikhtaheri Abbas**, MalekzadehS, Hashemi N, Hashemi N. Effects of using hospital information systems on nurses' individual performance: A study on influential factors. *Stud Health Technol Inform* 2020; 271:145-152. WOS/Pubmed. [[Link](#)]
18. Sabbaghi H, Ahmadi H, Daftarian N, Suri F, Saviz P, Khorrami F, Madani S, **Abbas Sheikhtaheri**. The first inherited retinal disease registry in iran: research protocol and results of a pilot study. *Archives of Iranian Medicine*; 2020;23(7):445-454. WOS/Pubmed (IF: 1.1) [[Link](#)]
19. Hasani N, Hosseini F, **Sheikhtaheri Abbas**. Effects of implementation of picture archiving and communication system on radiologist reporting time and utilization of radiology service: A case study in Iran. *Journal of Digital Imaging*; 2020 (33):595–601. WOS/Pubmed (IF: 3.69; Q1) [[Link](#)]
20. Moulaei K, Malek M, **Sheikhtaheri Abbas**. Monitoring of external predisposing factors for Diabetic Foot: A literature review and physicians' perspectives. *Medical Journal of the Islamic Republic of Iran*. 2019;33:159. Pubmed. [[Link](#)]
21. **Sheikhtaheri Abbas**, Orooji A, Pazouki A, Beitollahi M. A clinical decision support system for predicting the early complications of One Anastomosis Gastric Bypass Surgery. *Obesity Surgery*; 2019; 29(7): 2276–2286. WOS/Pubmed (IF: 3.603, Q1). [[link](#)]
22. Hashemi N, **Abbas Sheikhtaheri**, Hashemi Ns, Rawassizadeh R. Electronic medical records for mental disorders: what data elements should these systems contain? *Stud Health Technol Inform*, 2019, 260:25-32. ISI/Pubmed. [[Link](#)]

23. **Sheikhtaheri Abbas**, Hashemi N, Hashemi Ns. Performance of hospitals in protecting the confidentiality and information security of patients in health information departments. *Stud Health Technol Inform*, 2019, 260:202-209. ISI/Pubmed. [[Link](#)]
24. NaseriBooriAbadi T, **Sheikhtaheri Abbas**. Information privacy and pervasive health: frameworks at a glance. *Journal of Biomedical Physics and Engineering*. 2019. Pubmed In Press. [[link](#)]
25. Malekzadeh S, Hashemi N, **Sheikhtaheri Abbas**, Hashemi N. Barriers for implementation and use of health information systems from the physicians' perspectives. *Stud Health Technol Inform* 251, 2018, 289-292. ISI/Pubmed. [[link](#)]
26. **Sheikhtaheri Abbas**, Nahvijou A, Sedighi Z, Hadji M, Golmahi M, Roshandel G, Beiki O, Ravankhah Z, Zendehtdel K. Development of a tool for comprehensive evaluation of population-based cancer registries. *International Journal of Medical Informatics*. 2018, 117, 26-32. WOS/Pubmed (IF:3.025, Q1) [[link](#)]
27. Khorrami F, Ahmadi M, **Sheikhtaheri Abbas**. Standardization of health terminology systems and the role of responsible organizations *Iranian Journal of Public Health*, 2018, 47(10): 1613-1614 WOS/Pubmed (IF: 1.291) [[link](#)]
28. Ahmadi H, Shahmoradi L, Sadoughi F, Bashiri A, Nilashi M, **Sheikhtaheri Abbas**, Samad S, Ibrahim O. A narrative literature review on the impact of organizational context perspective on innovative health technology adoption. *Journal of Soft Computing and Decision Support Systems*. 2018, 5(4): 1-12. [[link](#)]
29. **Sheikhtaheri Abbas**, Nahvijou A, Mashoof E .Evaluation of the information needs of breast cancer patients in the internet. *Basic & Clinical Cancer Research*, 2018, 201, 3-10. [[link](#)]
30. **Sheikhtaheri Abbas**, Hashemi N, Hashemi NA .Benefits of using mobile technologies in education from the viewpoints of medical and nursing students. *Stud Health Technol Inform*, 2018, 251, 289-292. ISI/Pubmed. [[link](#)]
31. Khorrami F, Ahmadi M, **Sheikhtaheri Abbas**. Evaluation of SNOMED CT content coverage: a systematic literature review. *Stud Health Technol Inform*, 2018, 248.212-219. ISI/Pubmed. [[link](#)]
32. **Sheikhtaheri Abbas**, Kermani F. Telemedicine in diagnosis, treatment and management of diseases in children *Stud Health Technol Inform*, 2018, 248.148-155. ISI/Pubmed. [[link](#)]
33. Langarizadeh M, Orooji A, **Sheikhtaheri Abbas**. Effectiveness of anonymization methods in preserving patients' privacy: A systematic literature review. *Stud Health Technol Inform*, 2018, 248. 80-87. ISI/Pubmed. [[link](#)]
34. **Sheikhtaheri Abbas**, saravani- S aval. Nurses' attitude for using Barcode Medication Administration System in a developing country. *Stud Health Technol Inform*, 2018, 248. 220-225. ISI/Pubmed. [[link](#)]

35. **Sheikhtaheri Abbas**, Kermani F. Use of Mobile Apps among medical and nursing students in Iran. *Stud Health Technol Inform.* 2018, 248. 33-39. ISI/Pubmed. [[link](#)]
36. **Sheikhtaheri Abbas**, Saravani-Aval S, Farzi J, Bagheri S, Kayvanloo F, Bayat M. A feasibility study on the implementation of teleconsultation in tuberculosis patients in Zabol City of Iran. *Stud Health Technol Inform.* 2018, 247. 501-505. ISI/Pubmed. [[link](#)]
37. Erfannia L, Sadoughi F, **Sheikhtaheri Abbas**. The advantages of implementing cloud computing in the health industry of Iran: a qualitative study. *IJCSNS International Journal of Computer Science and Network Security.* 2018, 18 (1). 198-206. ISI. [[link](#)]
38. **Sheikhtaheri Abbas**, Aliabadi A, Saravani Aval S. The Quality of health records used in the processing of Lawsuit Cases, a Study in Zabol, Iran. *International Journal of Ayurvedic Medicine.* 2018, 9(2): 79-82. ISI. [[link](#)]
39. **Sheikhtaheri Abbas**, Sadeqi M, Hashemi M. Physicians' perspectives on causes of health care errors and preventive strategies: A study in a developing country. *Iranian Journal of Public Health* 2018; 47(5): 720-728 ISI/ Pubmed (IF: 1.291) [[link](#)]
40. Naseri T, Sadoughi F, **Sheikhtaheri Abbas**. Improving cancer literacy for the deaf using deaf-tailored educational interventions: a review of the literature. *Journal of Cancer Education*, 2018. ISI (IF: 1.576, Q2) [[link](#)]
41. Kimiafar K, **Sheikhtaheri Abbas**, Sarbaz M, Hoseini M. Assessing the educational needs of health information management staff of the Mashhad University of Medical Sciences. *Iran Stud Health Technol Inform.* 2017, 104-109. ISI/ Pubmed. [[link](#)]
42. Ahmadi M, Mehrabi N, **Sheikhtaheri Abbas**, Sadegh M. Acceptability of picture archiving and communication system (PACS) among hospital healthcare personnel based on a unified theory of acceptance and use of technology. *Electronic Physician.* 2017. 9(9): 5325. Pubmed. [[link](#)]
43. Paydar K, Niakan S, Akbarian M, **Sheikhtaheri Abbas**. A clinical decision support system for prediction of pregnancy outcome in pregnant women with systemic lupus erythematosus. *International Journal of Medical Informatics.* 2017, 97, 239-46. ISI/ Pubmed (IF:3.025, Q1). [[link](#)]
44. NaseriBooriAbadi T, Sadoughi F, **Sheikhtaheri Abbas**. Barriers and facilitators of health literacy among deaf individuals. *Iran J Public Health.* 2017, 1465-74. ISI/ Pubmed (IF: 1.291). [[link](#)]
45. Kimiafar K, Sarbaz M, **Sheikhtaheri Abbas**. Online survey software as a data collection tool for medical education: a case study on lesson plan assessment. *Medical Journal of the Islamic Republic of Iran* 2016, 30: 464. Pubmed, Q1. [[link](#)]
46. Ghazisaeedi M, Safari A. **Sheikhtaheri Abbas**. Effect of an Android-based application on the knowledge of the caregivers of children with cerebral palsy. *Medical Journal of the Islamic Republic of Iran* 2016, 30: 465. Pubmed, Q1 [[link](#)]

47. **Sheikhtaheri Abbas**, Sarbaz M, Kimiafar K, Ghayour M, Rahmani S. Awareness, attitude and readiness of clinical staff towards telemedicine: A study in Mashhad, Iran. *Stud Health Technol Inform* 2016, 228, 142-6. ISI/ Pubmed. [[link](#)]
48. Safdari R , Ghazisaeedi M, **Sheikhtaheri Abbas**, Saremi Marzieh. Locating of rural health centers equipped with telehealth using GIS: a case study on khorramabad city, Iran. *Ambient Science* 2016, 3(2). [[link](#)]
49. Sarbaz M, Kimiafar K, **Sheikhtaheri Abbas**, Taherzadeh Z, Eslami S. Nurses' information seeking behavior for clinical practice: a case study in a developing country. *Stud Health Technol Inform* 2016, 225, 23-27. ISI/ Pubmed. [[link](#)]
50. Falahati Marvast F, Arabalibeik H, Alipour F, **Sheikhtaheri Abbas**, Nouri L, Soozande M, Yarmahmoodi M. Evaluation of RGP contact lens fitting in keratoconus patients using hierarchical fuzzy model and genetic algorithms. *Stud Health Technol Inform* 2016, 220, 124-129. ISI/ Pubmed. [[link](#)]
51. **Sheikhtaheri Abbas**, Jabali MS, Dehaghi ZH. Nurses' knowledge and performance of the patients' bill of rights. *Nursing Ethics* 2016. 23(80): 866-76. ISI/ Pubmed (IF: 2.597, Q1) [[link](#)]
52. Sadoughi F, Davari N, **Sheikhtaheri Abbas**, Shahi. Organizational position of health information management in Iran. *Journal of Hormozgan University of Medical Sciences*, 2015, 19(2): 93-99. [[link](#)]
53. Naseri T, **Sheikhtaheri Abbas**. Social media and health care: necessity of facing their challenges. *Iran J Public Health*. 2015, 44(4): 956-957. ISI/ Pubmed (IF: 1.291) [[link](#)]
54. Farzandipour M, **Sheikhtaheri Abbas**, Sadeqi Jabali M. Perceived quality of informed refusal process: a cross-sectional study from Iranian patients' perspectives. *Dev World Bioeth*. 2015.15 (3): 172-178. ISI/ Pubmed(IF: 1.431, Q2). [[link](#)]
55. Kimiafar K, Sarbaz M, **Sheikhtaheri Abbas**, Azizi A The impact of management factors on the success and failure of health information systems. *Indian Journal of Science and Technology* 2015, 27(8): 1-9. [[link](#)]
56. Hashemi Z, **Sheikhtaheri Abbas**, Dehnavi F. Nurse managers' work life quality and their participation in knowledge management: a correlational study. *Iranian Red Crescent Medical Journal* 2015, 17(1). ISI/ Pubmed (IF: 0.644, Q1). [[link](#)]
57. Hashemi Z. **Sheikhtaheri Abbas**. Quality of work life and job satisfaction of nursing managers: a case study in Iran. *Iranian J Public Health*. 2014; 43(4): 537-538. ISI/ Pubmed (IF: 1.291). [[link](#)]
58. Kimiafar K, Sadoughi F, **Sheikhtaheri Abbas**, Sarbaz M. Prioritizing factors influencing nurses' satisfaction with Hospital Information systems : A fuzzy analytic hierarchy process approach, *Computer, informatics, nursing*, 2014;32(4):174-81. ISI/ Pubmed (IF: 1.029). [[link](#)]

59. **Sheikhtaheri Abbas**, Kimiafar K, Sarbaz M. Evaluation of system quality of hospital information system: a case study on nurses' experiences. *Stud Health Technol Inform.* 2014; 205:960-4. Pubmed. [[link](#)]
60. **Sheikhtaheri Abbas**, Sadoughi F, Hashemi Dehaghi Z. Developing and using expert systems and neural networks in medicine: a review on benefits and challenges. *J Med Syst.* 2014;38(9):110. ISI/ Pubmed (IF: 3.058; Q1). [[link](#)]
61. **Sheikhtaheri Abbas**. Near misses and their importance for improving patient safety. *Iranian J Public Health.* 2014; 43(6): 853-854. ISI/ Pubmed (IF: 1.291). [[link](#)]
62. Hajrahimi N, Dehaghani SM, **Sheikhtaheri Abbas**. Health information security: a case study of three selected medical centers in Iran. *Acta Inform Med.* 2013;21(1):42-5. Pubmed. [[link](#)]
63. **Sheikhtaheri Abbas**, Sadoughi F, Ahmadi M. A framework of a patient safety information system for Iranian hospitals: lessons learned from Australia, England and the US. *Int J Med Inform.* 2013;82(5):335-44. WOS/Pubmed (IF:3.025; Q1) [[link](#)]
64. **Sheikhtaheri Abbas**, Sadoughi F, Ahmadi M. Developing Iranian patient safety indicators: an essential approach for improving safety of healthcare. *Asian Biomedicine* 2013; 7(3): 365-373. ISI (IF:0.209) [[link](#)]
65. **Sheikhtaheri Abbas**. Farzandipour M. Factors associated with quality of informed consent in patients admitted for surgery; an Iranian study. *American Journal of Bioethics Primary Research.* 2010; 1: 9- 16. [[link](#)]
66. Farzandipour M, **Sheikhtaheri Abbas**, Sadoughi F. Effective factors on principal diagnosis coding accuracy based on International Classification of Diseases, the 10th revision (ICD-10). *International Journal of Information Management* 2010; 30: 78–84. ISI/ Pubmed (IF: 8.21; Q1) [[link](#)]
67. Moghaddasi H., **Sheikhtaheri Abbas**. CEO is a Vision of the Future Role and Position of CIO in Healthcare Organizations. *J Med Syst* (2010) 34:1121–1128. ISI/ Pubmed (IF: 3.058; Q1). [[link](#)]
68. Farzandipour M, **Sheikhtaheri Abbas**. Evaluation of factors influencing accuracy of principal procedure coding based on ICD-9-CM: an Iranian study. *Perspect Health Inf Manag.* 2009 May 7;6: 5. Pubmed. [[link](#)]
69. Moghaddasi H, Hosseini A, **Sheikhtaheri Abbas**. A new model for the organizational structure of medical record departments in hospitals in Iran. *Perspect Health Inf Manag.* 2006 May 23; 3: 4. Pubmed. [[link](#)]

Articles in Persian (with a link to English abstract)

1. Mohammadi M, **Sheikhtaheri Abbas**, Kermani F. Comparison of patient-centric algorithms for health information security in health social networks and cloud environments. J Mod Med Info Sci. 2020; 5(2):68- 79. [Link]
2. **Sheikhtaheri Abbas**, Nouruzi E, Sadoughi F. Developing a mobile based self care application for patients with breast cancer undergoing chemotherapy. Journal of Health Administration, 2019; 22(4):35-49. [Link]
3. Ahmadi H, Mahdian Z, **Sheikhtaheri Abbas**. The effect of sending short text messages as reminders on medication adherence in patients with chronic hyperlipidemia. Journal of Health Administration, 2019; 22(4):12-21. [Link]
4. **Sheikhtaheri Abbas**, Khorami F, Mohammadzadeh Hedyeh. The essential data element for cardiovascular electronic medical records in Iran. Under review.
5. **Sheikhtaheri Abbas**, Hasani N, Hosseini F. Users' satisfaction with imaging services before and after the implementation of picture archiving and communication system. J Health Administration, 2019; 2(3): 28-39. [link]
6. Ahmadi H, Mahbubeh R, **Sheikhtaheri Abbas**. Developing an information management dashboard for oncology wards. J Health Administration, 2019; 22(2): 67-85.[link]
7. **Sheikhtaheri Abbas**, Zarkesh M, Kermani F. Telemedicine application in diagnosing and managing heart diseases in neonates and children: A systematized review. Journal of Modern Medical Information Sciences. 2019; 5 (1):21-32. [link]
8. Ghazisaeedi M, **Sheikhtaheri Abbas**, Behniafard N, Aghaei Meybodi F, Khara R, Kargar Bideh M. A Proposed model to identify factors affecting Asthma using Data Mining. Scientific Journal of Ilam University of Medical Sciences 2019; 27(1): 203-212. [Link]
9. **Sheikhtaheri Abbas**, Hasani N, Hosseini F. Effect of the implementation of the Picture Archiving and Communication System on the diagnosis accuracy of emergency department physicians in CT scan examinations. Journal of Health and Biomedical Informatics 2019; 6(1): 1-11. [link]
10. **Sheikhtaheri Abbas**, Hamedan F, Sanadgol H, Orooji A. Developing a fuzzy expert system to diagnose chronic kidney disease. Razi Journal of Medical Sciences 2019; 25(10) 46-60. [link]
11. Falahati Marvast F, Arabalibeik H, Alipour F, **Sheikhtaheri Abbas**, Nouri L. A clinical decision support system for contact lens evaluation. Tehran University Medical Journal 2019; 76 (12), 799-803. [link]
12. Khedri M, Ghazisaeedi M, **Sheikhtaheri Abbas**, Zarei J. Relationship between socioeconomic status and burn patients survive using data mining. Journal of Modern Medical Information Sciences. 2018; 3 (2):18-25 [link]

13. Kamali M, **Sheikhtaheri Abbas**. Documenting nursing reports using speech recognition technology: benefits, barriers, challenges and facilitators. *Journal of Health and Biomedical Informatics* 2018; 5(1): 70-82. [[link](#)]
14. **Sheikhtaheri Abbas**, Beitollahi M, Pazouki A, Orooji A. Effective factors of mini gastric bypass surgery complications. *Razi Journal of Medical Sciences* 2018; 25 (3): 48-58. [[link](#)]
15. **Sheikhtaher Abbas**, Zarei A, Ahmadi M. A Comparative study on the features of specialized electronic dental record systems. *Journal of Health Administration* 2018; 20 (70): 68-78. [[link](#)]
16. **Sheikhtaheri Abbas**. Ghazizadeh Z. Usability evaluation of the Farabar Statistical information system in Iranian Universities of Medical Sciences. *J Health Administration* 2018; 21 (71): 37-49. [[link](#)]
17. Nakhoda M, **Sheikhtaheri Abbas**, Esfandiari Pour M. Potentialities of medical records management electronic systems in insurance companies. *Payavard Salamat* 2017; 11(1):68-78. [[link](#)]
18. Esfandiari Pour M, **Sheikhtaheri Abbas**. A Presentation of electronic system pattern of medical records management for insurance companies. *Journal of Clinical Research in Paramedical Sciences* 2017; 6(2):135-143. [[link](#)]
19. **Sheikhtaheri Abbas**, Ghandali F, Zamani Ghaletaki G. Determination of the required educational content in the development of educational mobile application for patients with epilepsy: perspectives of patients and physicians. *Journal of Health and Biomedical Informatics* 2017; 4(1): 11-20. [[link](#)]
20. Ghazisaeedi M, **Sheikhtaheri Abbas**, Samadbeik M, Valizadeh R. Specification of national health portal: a review in selected countries. *Journal of Clinical Research in Paramedical Sciences* 2017; 5(4):388-400. [[link](#)]
21. Saravani Aval S, **Sheikhtaheri Abbas**. Assessing nurses' readiness in teaching hospitals affiliated to Iran University of Medical sciences for using barcode medication administration system. 2017, 6(2), 70-80. [[link](#)]
22. **Sheikhtaheri Abbas**, Sadoughi F, Ghazizadeh Z. Information needs of managers and expert panels in the office of disaster management and emergency medical services in Iran's Ministry of Health and Medical Education. *J Mazandaran Univ Med Sci* 2016; 26 (142): 259-263. [[link](#)]
23. Ghazisaeedi M, **Sheikhtaheri Abbas**, Allahverdi B, Azizi B. Design and implementation of a children vaccination reminder system based on short message service. *Tehran University Medical Journal*, 2016; 74(6): 448-45. [[link](#)]
24. Safdari R, Ghazisaeedi M, **Sheikhtaheri Abbas**, Saremi M. Prioritizing the factors influencing places of rural health centers equipped with telehealth services using Analytical Hierarchy Process. *J Clin Res Paramed Sci* 2015; 4(1):24-33. [[link](#)]

25. Ghazisaeedi M, **Sheikhtaheri Abbas**, Dalvand H, Safari A. Design and evaluation of an applied educational smartphone-based program for caregivers of children with cerebral palsy. *J Clin Res Paramed Sci* 2015; 4(2):128-139. [[link](#)]
26. Akbarian M, Paydar K, Rostam Niakan Kalhori S, **Sheikhtaheri Abbas**. Designing an artificial neural network for prediction of pregnancy outcomes in women with systemic lupus erythematosus in Iran. *Tehran University Medical Journal*, 2015, 73(4):251-259. [[link](#)]
27. **Sheikhtaheri Abbas**. Patient safety and information technology. *Health Information Management* 2013; 10(3): 1-3. [[link](#)]
28. Farzandipour M, **Sheikhtaheri Abbas**, Sadeqi Jabali M. Rate of informed decision-making for treatment refusal in university hospitals of Kashan, Iran. *Health Information Management* 2012; 9(5): 646-654. [[link](#)]
29. Sadoughi F, Ahmadi M, Moghaddasi H, **Sheikhtaheri Abbas**. Patient safety information system: purpose, structure and functions. *J Mazandaran Univ Med Sci* 2011; 21 (85): 174-88. [[link](#)]
30. Sadoughi F, **Sheikhtaheri Abbas**. Applications of artificial intelligence in clinical decision-making: opportunities and challenges. *Health Information Management* 2011; 8(3): 440-445. [[link](#)]
31. Rouzbahani F, **Sheikhtaheri Abbas**, Farzandipour M, Ranghraz Jeddi F, Mobarak Ghamsari Z. Evaluation of training educator's performance from point of views of medical record students in Kashan University of Medical Sciences, Iran. *Health Information Management* 2011; 8(2): 251-257. [[link](#)]
32. Farzandipour M, **Sheikhtaheri Abbas**, Shokrizadeh Arani L. Accuracy of procedure codes based on ICD9CM. *Health Information Management* 2011; 7(4): 409-422. [[link](#)]
33. Ahmadi M, **Sheikhtaheri Abbas**, Kimiafar K, Esmaeili M, Mosavi M. Knowledge of health care providers about legal aspects of medical records in teaching hospitals affiliated to Lorestan university of medical sciences. *Yafteh* 2011; 3(49):53-62. [[link](#)]
34. **Sheikhtaheri Abbas**, Kimiafar Kh, Barati Marnani A. Knowledge of physicians, nurses and medical record personnel about legal aspects of medical records in teaching hospitals affiliated to Kashan University of Medical Sciences. *Health Information Management* 2010; 7(2): 136-146. [[link](#)]
35. **Sheikhtaheri Abbas**, Farzandipour M. Quality of informed consent process and factors affecting it among patients undergoing surgery, an empirical study in hospitals of Kashan, Iran. *Hakim Research Journal* 2010; 12 (4), 33-41. [[link](#)]
36. **Sheikhtaheri Abbas**, Farzandipour M. Informed consent process: inpatients competency and admission clerks' performance in teaching hospitals in Kashan. *Health Information Management* 2009; 6(2): 96-104. [[link](#)]
37. Farzandipour M, **Sheikhtaheri Abbas**. Coding accuracy based on ICD-10. *Feyz*; 2009; 12(4): 68-77. [[link](#)]

38. **Sheikhtaheri Abbas**. Application of computers in coding health information. Iranian Journal of Health Information Management Association. 2008; 6(2): 25-34. [\[link\]](#)
39. **Sheikhtaheri Abbas**. Natural language processing in electronic health record. Iranian Journal of Health Information Management Association. 2008; 6(3): 26-32. [\[link\]](#)
40. **Sheikhtaheri Abbas**, Moghaddasi H. Information managers: the powerful strategists of health care organizations in future. Health Information Management 2008; 5(1). [\[link\]](#)
41. Moghaddasi H, **Sheikhtaheri Abbas**, Organizational structure of the health information management departments in hospitals: a new model for Iran. Payesh 2008; 7(2):129-140. [\[link\]](#)
42. **Sheikhtaheri Abbas**, Farzandipour M. Quality of informed consent process in inpatients undergoing surgery. Scientific Journal of Forensic Medicine 2008; 14(3):151-158. [\[link\]](#)
43. **Sheikhtaheri Abbas**, Rouzbahani F. Steps to successful implementation of electronic health record. Homa Salamat 2008; 27: 10-27. [\[link\]](#)
44. Moghaddasi H, **Sheikhtaheri Abbas**, Hashemi N. Reducing medication errors: Role of computerized physician order entry system. Journal of Health Administration 2007; 10 (27), 57-67. [\[link\]](#)
45. **Sheikhtaheri Abbas**, Hashemi N. patient safety: necessity for attention to IT. Homa Salamat 2007; 18: 57-67. [\[link\]](#)
46. **Sheikhtaheri Abbas**, Farzandipour M, Sadoughi F. Consumer's satisfaction with admission services in teaching hospitals affiliated to Kashan University of Medical Sciences; 2006. Journal of Health Administration 2007; 10 (29), 15-24. [\[link\]](#)
47. Moghaddasi H, **Sheikhtaheri Abbas**. Necessity of restructuring medical records departments in Iran. Teb va Tazkie. 2007; 14(1): 38-48. [\[link\]](#)

Presentation in conferences (International and national)

1. Hashemi N, MalekzadehS, Hashemi N, **Sheikhtaheri Abbas**. Nurses' Viewpoints on barriers and facilitators to use hospital information system. dHealth 2020, Vienna, Austria.
2. **Sheikhtaheri Abbas**, MalekzadehS, Hashemi N, Hashemi N. Effects of using hospital information systems on nurses' individual performance: A study on influential factors. dHealth 2020, Vienna, Austria.
3. Sabbaghi H, Madani S, Daftarian N, Suri F, **Abbas Sheikhtaheri**, Saviz P, Khorrami F, Ahmadi H. A Proposed novel ontology for Inherited Retinal Dystrophies. AMIA 2019 Annual Symposium. poster presentation.
4. Hashemi N, **Sheikhtaheri Abbas**, Hashemi Ns, Rawassizadeh R. Electronic medical records for mental disorders: what data elements should these systems contain? dHealth 2019, from eHealth to dhealth, 2019, Vienna, Austria.

5. **Sheikhtaheri Abbas**, Hashemi N, Hashemi Ns. Performance of hospitals in protecting the confidentiality and information security of patients in health information departments. dHealth 2019, from eHealth to dhealth, 2019, Vienna, Austria.
6. Ahmadi H, Sadoughi F, Gholamhosseini L, Azadi T, **Sheikhtaheri Abbas**, Nilashi MH, Dehnad A. Organizational factors affecting the adoption of a technological innovation: a study of the hospital information system (HIS). International Conference on Web Research. 2019, Tehran, Iran.
7. Sabbaghi H, Ahmadi H, Daftarian N, Suri F, Mirrahimi M, Madani S, **Sheikhtaheri Abbas**, et al. Research Protocol: the design and establishment of inherited retinal disease registry in Iran. XXVIII Annual Congress of the Iranian Society of Ophthalmology, 2018, Tehran, Iran.
8. Malekzadeh S, Hashemi N, **Sheikhtaheri Abbas**, Hashemi N. Barriers for implementation and use of health information systems from the physicians' perspectives. 2018, International Conference on Informatics, Management, and Technology in Healthcare Athens, Greece.
9. **Sheikhtaheri Abbas**, Hashemi N, Hashemi NA .Benefits of using mobile technologies in education from the viewpoints of medical and nursing students. 2018, International Conference on Informatics, Management, and Technology in Healthcare Athens, Greece.
10. **Sheikhtaheri Abbas**, Kermani F. Telemedicine in diagnosis, treatment and management of diseases in children, Biomedical meets eHealth- From Sensors to Decisions 2018, Vienna, Austria.
11. Langerizadeh M, Orooji A, **Sheikhtaheri Abbas**. Effectiveness of anonymization methods in preserving patients' privacy: A systematic literature review, 2018, Biomedical meets eHealth - From Sensors to Decisions, Vienna, Austria.
12. **Sheikhtaheri Abbas**, saravani-aval S. Nurses' attitude for using Barcode Medication Administration System in a developing country 2018, Biomedical meets eHealth - From Sensors to Decisions, Vienna, Austria.
13. **Sheikhtaheri Abbas**, Kermani F. Use of Mobile Apps among medical and nursing students in Iran. Stud Health Technol Inform. 2018, Biomedical meets eHealth - From Sensors to Decisions, Vienna, Austria.
14. Khorrami F, Ahmadi M, **Sheikhtaheri Abbas**. Evaluation of SNOMED CT content coverage: a systematic literature review. 2018, Biomedical meets eHealth - From Sensors to Decisions, Vienna, Austria.
15. **Sheikhtaheri Abbas**, Saravani-Aval S, Farzi J, Bagheri S, Kayvanloo F, Bayat M. A Feasibility study on the implementation of teleconsultation in tuberculosis patients in Zabol City of Iran. Stud Health Technol Inform. 2018, Medical Informatics Europe (MIE 2018) Gothenburg, Sweden.
16. **Sheikhtaheri Abbas**, Safdari R, Ehtesham H. Drawing a screenshot from medical informatics research in chronic disease registries: a content analysis on the major medical

- informatics conferences. 2nd International Congress of Disease Registries. 2018, Tehran, Iran
17. Safari A, **Sheikhtaheri Abbas**, Hasani Z. Smartphone applications for Iranian users with hypertension. Mobile health conference, 2018, Shiraz, Iran.
 18. Kimiafar K, **Sheikhtaheri Abbas**, Sarbaz M, Hoseini M. Assessing the educational needs of health information management staff of the Mashhad University of Medical Sciences. Iran Stud Health Technol Inform. 2017, eHealth2017, Vienna, Austria.
 19. **Sheikhtaheri A**, Kermani F. Ethical Issues in nursing informatics. 2017, 1st National Medical Informatics Congress, Mashhad, Iran.
 20. Khedri K, Ghazi M, **Sheikhtaheri Abbas**, Javadi Z. Relationship between social economic status in burn patients, 2017, 1st National Medical Informatics Congress, Mashhad, Iran.
 21. Valizadeh R, **Sheikhtaheri Abbas**, Ghazisaeedi M, Samadbeik M, Promote community health level through the use of the national health portal. 2017, 3rd international and 8th national congress on health education and promotion, Isfahan, Iran.
 22. Zendejdel K, Nahvijou A, **Sheikhtaheri Abbas** . et al. Initiative for semi-automated population-based cancer registry in Iran. 2016, Global cancer, Lyon, France.
 23. **Sheikhtaheri Abbas**, Sarbaz M, Kimiafar K, Ghayour M, Rahmani S. Awareness, attitude and readiness of clinical staff towards telemedicine: A study in Mashhad, Iran. 2016, Health—exploring complexity: an interdisciplinary systems approach HEC2016. Germany.
 24. Kimiafar K, Sobhani Rad D, Sarbaz M, **Sheikhtaheri Abbas**. Designing an assessment form for speech language pathology: toward standards for speech therapy documentation. 2016, Health—exploring complexity: an interdisciplinary systems approach HEC2016. Germany.
 25. Sarbaz M, Kimiafar K, **Sheikhtaheri Abbas**. Comparing the quality of documenting discharge summaries in paper-based and electronic systems. 2016, Health—exploring complexity: an interdisciplinary systems approach HEC2016. Germany.
 26. Sarbaz M, Kimiafar K, **Sheikhtaheri Abbas**, Taherzadeh Z, Eslami S. Nurses' information seeking behavior for clinical practice: a case study in a developing country. 2016, Nursing informatics congress 13th Geneva, Switzerland.
 27. Falahati Marvast F, Arabalibeik H, Alipour F, **Sheikhtaheri Abbas**, Nouri L, Soozande M, Yarmahmoodi M. Evaluation of RGP contact lens fitting in keratoconus patients using hierarchical fuzzy model and genetic algorithms. 2016, Medicine Meets Virtual Reality 22: NextMed/MMVR22, USA.
 28. Langraizadeh M, Moghbeli F, **Sheikhtaheri Abbas**. Ethics in telemedicine: A review of literature. 5th conference of promotion of health Information management. 2016, Tabriz, Iran.

29. Langraizadeh M, Moghbeli F, **Sheikhtaheri Abbas**. Application of telemedicine in Parkinson rehabilitation: A review of literature. 5th conference of promotion of health Information management. 2016, Tabriz, Iran.
30. Valizadeh R, **Sheikhtaheri Abbas**, Ghazisaeedi M, Samadbeik M, Developing requirements of a national health portal based on the developed countries' experience. 5th conference of promotion of health Information management. 2016, Tabriz, Iran.
31. Safari A, Ghazisaidi M, **Sheikhtaheri Abbas**, Dalvand, H. A mobile health application for drug reminder for cerebral palsy children with seizure. International congress of pediatrics neurology and nursing, 2015, Bandar Abbas, Iran.
32. Safari A, **Sheikhtaheri Abbas**, Hasani Z. Mobile phone application in breast cancer: review of literature. Shiraz International mobile health seminar, 2015, Shiraz, Iran.
33. Hasani Z, **Sheikhtaheri Abbas**. Safari A, Mobile phone application in Iran: review of available applications in Iranian Android market. Shiraz International mobile health seminar, 2015, Shiraz, Iran.
34. Shahmoradi L, **Sheikhtaheri Abbas**, Ghazisaidi M, Habibi M, Salari. Ethical and legal aspects of teleradiology practice. 6th Iranian Imaging Informatics Congress, 2015, Tehran, Iran.
35. **Sheikhtaheri Abbas**, Kermani F. Application of mobile health in educating pregnant women: A review of literature. 6th congress of e-learning, 2015, Tehran, Iran.
36. **Sheikhtaheri Abbas**. Application of mobile education among nursing students: preliminary results of a study. 6th congress of e-learning, 2015, Tehran, Iran.
37. **Sheikhtaheri Abbas**, Zendehdel K, Nahvijou A, Sedighi Z, Hadji M. Developing standards tool and evaluation of population based cancer registry In Iran. 2014, World cancer Congress, Melbourne, Australia
38. **Sheikhtaheri Abbas**, Kimiafar K, Sarbaz M. Evaluation of system quality of hospital information system: a case study on nurses' experiences. Medical Informatics in Europe 2014 (MIE 2014), Istanbul, Turkey.
39. Sarbaz M, Kimiafar K, **Sheikhtaheri Abbas**, Eslami S. Information media in treatment of cancer according to evidence based medicine model. Conference on Cancer Control. 2013, Tehran, Iran.
40. **Sheikhtaheri Abbas**, Zendedel K, Nahvijou A. Evaluation of Iranian cancer registry programs. Conference on Cancer Control. 2013, Tehran, Iran.
41. Kimiafar K, Sarbaz M, **Sheikhtaheri Abbas**. Students' perspectives on using online surveys in developing lesson plans and their participation. Conference on students' participation in education. 2013, Mashhad, Iran.
42. Farzandipour M, Sadeqi Jabali M, **Sheikhtaheri Abbas**. Quality of information provided to patients who refused treatment. Challenges and Opportunities of Charter of Patient Rights. 2011, Yasuj, Iran.

43. Farzandipour M, Sadeqi Jabali M, **Sheikhtaheri Abbas**. Physicians' interaction with patients who refused treatment. Challenges and Opportunities of Charter of Patient Rights. 2011, Yasuj, Iran.
44. Kimiafar K, Sarbaz M, **Sheikhtaheri Abbas**. Online survey software and their applications in medical education. National Conference on Medical Education, 2011, Mashhad, Iran.
45. **Sheikhtaheri Abbas**. Farzandipour M. Patients' perspectives about informed consent. Third national congress on medical law. 2010, Kish, Iran.
46. Farzandipour M, **Sheikhtaheri Abbas**, Sadeqi Jabali M. Refusal of treatment and its related reasons in Kashan. Third national congress on medical law. 2010, Kish, Iran.
47. **Sheikhtaheri Abbas**. Application of expert systems in clinical decisions. Health Management Congress, 2008, Tehran, Iran.
48. Moghaddasi H, **Sheikhtaheri Abbas**, Hashemi N. The Role of information technology in pharmaceuticals error. International Seminar of telemedicine and e-Health, 2006. Tehran, Iran.
49. Ruzbahani F, **Sheikhtaheri Abbas**. Five steps for implementing EHR. International Seminar of telemedicine and e-Health, 2006. Tehran, Iran.

Published books

1. **Sheikhtaheri Abbas**, Kermani F, Bordbar A, Rahbari H. Health informatics, Saye Salamat, Tehran, Iran, 2018.
2. **Sheikhtaheri Abbas**, Naseri T, Ahmadi M. Management of healthcare information systems. Tehran: Jafari; 2013.
3. Sadoughi F, **Sheikhtaheri Abbas**, Meidani Z, Management Information System (Concepts, Structure, Development and Evaluation). Tehran: Jafari; 2010.
4. Ahmadi M, Meidani Z, **Sheikhtaheri Abbas**, et al. A comprehensive guide to clinical coding based on ICD10. Tehran: Jafari; 2010.

Research projects and grants

1. **Sheikhtaheri Abbas**, Golpira R, Zarei J, Hashemi N, Meidani Z, Azad Z. Pilot implementation of ICD-11 in Iranian hospitals, Granted by Iran Ministry of Health, 2019. Current.

2. **Sheikhtaheri Abbas**, Kabir A, Bitaraf E, Tehran A. Implementation of online COVID-19 surveillance system in Iran University of Medical Sciences. Granted by Iran University of Medical Sciences. Current.
3. **Sheikhtaheri Abbas**, Saber Mahani. Application and outcomes of using Internet of Things for patients with dementia and Alzheimer: A systematic review. Granted by Iran University of Medical Sciences. Current.
4. **Sheikhtaheri Abbas**, Zendehdel K, Nahvijou A, et al. Developing e-learning program for cancer registry. Granted by Iran ministry of health. 2018, Current.
5. **Sheikhtaheri Abbas**, Lazem M. Barriers and facilitators of implementing disease registry programs: A systematic review. Granted by Iran University of Medical Sciences, Current.
6. **Sheikhtaheri Abbas**, Lazem M. Identifying and prioritizing barriers and facilitators of implementing disease registry programs. Granted by Iran University of Medical Sciences, Current.
7. Langarizadeh M, Sadeghi M, **Sheikhtaheri Abbas**. Mobile phone applications and children obesity: A systematic review. Granted by Iran University of Medical Sciences, Completed.
8. **Sheikhtaheri Abbas**, Kermani F. A systematized review on telemedicine applications in the diagnosis and care management of congenital heart disease in neonates and children. Granted by Iran University of Medical Sciences, 2018. Completed.
9. **Sheikhtaheri Abbas**, Molaie K. Developing a smart wearable device for monitoring and self-care of the diabetic foot. Granted by Iran University of Medical Sciences, 2018. Completed.
10. **Sheikhtaheri Abbas**, Saravani S. Determining the influential factors of nurses' intention to use of barcoded medication administration technology. Granted by Iran University of Medical Sciences, 2018. Completed.
11. **Sheikhtaheri Abbas**, Dehnad A, Salmani H, Seifi Z. A survey on students view about using learning management system in Iran University of medical sciences. Granted by Iran University of Medical Sciences, 2018. Completed.
12. **Sheikhtaheri Abbas**, Nahvijou A, Mashoof E. Providing a Portal Model for Women with Breast Cancer in Iran. Granted by Cancer Research Center, Tehran University of Medical Sciences, 2018. Completed
13. Sadoughi F, NaseriBooriAbadi T, **Sheikhtaheri Abbas**. Developing a framework for protecting health information privacy. Granted by Iran University of Medical Sciences, 2017. Completed.
14. Ahmadi M, Mehrabi N, **Sheikhtaheri Abbas**, Sadeghi M. Acceptance of picture archiving and communication system (PACS) among hospital healthcare personnel based on a unified theory of acceptance and use of technology. Granted by Iran University of Medical Sciences, 2017. Completed.

15. **Sheikhtaheri Abbas**. Application of mobile phone among nursing and medical students and their perspective about barriers and facilitators. Granted by Tehran University of Medical Sciences, 2017. Completed.
16. **Sheikhtaheri Abbas**. Qazizade Z. An Evaluation of the statistical information system of universities of medical sciences in Iran. Granted by Iran University of Medical Sciences, 2016. Completed.
17. **Sheikhtaheri Abbas**, Zendehdel K, Nahvijou A, et al. Developing a national model and guidelines for population based cancer registry. Granted by Cancer Research Center, Tehran University of Medical Sciences, 2014. Completed.
18. Zendehdel K, **Sheikhtaheri Abbas**, Nahvijou A, et al. Comprehensive evaluation of population based cancer registry in Iran. Granted by World Health Organization (Iran Office), 2013. Completed.
19. Sadoughi F, Davari N, **Sheikhtaheri Abbas**, Shahi M, A model for organizational position of health information management and technology for Iran. Granted by Iran University of Medical Sciences, 2013. Completed.
20. Sadoughi F, Ahmadi M, **Sheikhtaheri Abbas**. A model for patient safety information system for Iranian hospitals. Granted by Tehran University of Medical Sciences, 2013. Completed.
21. Sadoughi F, **Sheikhtaheri Abbas**. Kimiafar, A. Knowledge of physicians in Tehran about legal aspects of health information. Granted by Tehran University of Medical Sciences, 2013. Completed.
22. **Sheikhtaheri Abbas**, Farzandipour M. Quality of informed consent process in in-patients undergoing surgery in teaching hospitals in Kashan. Granted by Kashan University of Medical Sciences, 2007. Completed.
23. Farzandipour M, **Sheikhtaheri Abbas**. Accuracy of clinical coding and evaluation of related factors in teaching hospitals in Kashan. Granted by Kashan University of Medical Sciences, 2007. Completed.

Industrial collaborations

1. Pilot implementation of ICD11 in Iranian hospitals, Iran Ministry of Health and WHO, 2019. Current.
2. Consultation and cooperation with a software company for developing disease registry software. Current.
3. Developing a mobile-based EHR for homecare visits, Iranian Health Network Company, a start-up company in Tehran, Iran, 2018.

4. **Sheikhtaheri Abbas**, Zendehdel K, Nahvijou A, et al. Developing e-learning program for cancer registry. Granted by Iran ministry of health. 2018.
5. **Sheikhtaheri Abbas**, Zendehdel K, Nahvijou A, et al. Developing a national model and guidelines for population based cancer registry. Granted by Cancer Research Center, Tehran University of Medical Sciences, 2014. Completed.
6. Zendehdel K, **Sheikhtaheri Abbas**, Nahvijou A, et al. Comprehensive evaluation of population based cancer registry in Iran. Granted by World Health Organization (Iran Office), 2013. Completed
7. Development of a population-based cancer registry, Iranian Oil Industry, 2013-2014.

Student supervision

PhD

Supervisor

1. Taheri S. Development of patient safety ontology for pediatrics. Iran University of Medical Sciences, Current
2. Saber Mahani. Developing a serious game for patients with mild cognitive impairment. Iran University of Medical Sciences, Current
3. Lazem M. Developing a hemolytic uremic syndrome registry system for children. Iran University of Medical Sciences, Current
4. Aliabadi A. A framework for implementing EHR-based disease surveillance system. Iran University of Medical Sciences, Current.
5. Kermani F. Predicting neonates' length of stay and mortality in neonatal intensive care unit based on case based reasoning system. Iran University of Medical Sciences, Current.

Advisor

1. Sadegi M. Developing a children mal-nutrition registry for Iran. Iran University of Medical Sciences, Current
2. Khorami F. A Conceptual model for selection of health terminology systems for adoption of diagnosis related group. Iran University of Medical Sciences, 2019, Completed
3. Erfan nia L. A framework for Migration Health Information Systems for Iran in the context of cloud computing. Iran University of Medical Sciences, 2018, Completed
4. Naseri T. Developing an Improving Model of Electronic Health Literacy for the deaf people in Iran. Iran University of Medical Sciences, 2017, Completed.

Master

Supervisor

1. Salmani H. Development of a mobile application for colorectal cancer self-management. Iran University of Medical Sciences, Current.
2. Gafaripour Z. Development of a mobile application for cervix cancer self-management. Iran University of Medical Sciences, Current.
3. Khanahmadi S. Development of a mobile application for training sensory diet for hyperactive children. Iran University of Medical Sciences, Current.
4. Rafati Y. Developing of an self-care application for parents of children affected with Acute Lymphoblastic Leukemia. Iran University of Medical Sciences, Current.
5. Mohammadzadeh H. Providing a conceptual model of electronic medical record for cardiovascular disease. Iran University of Medical Sciences, 2019, Completed.
6. Mohammadi M. Optimization of information security algorithms for sharing health information. Iran University of Medical Sciences, 2019, Completed.
7. Hasani N. Evaluation of performance indicators of radiology departments before and after of implementation of PACS in Torbat Heidaryeh Nohome Dey Hospital. Iran University of Medical Sciences, 2018, Completed.
8. Molaie K. Developing a smart wearable device for monitoring and self-care of the diabetic foot. Iran University of Medical Sciences, 2018, Completed.
9. Hamedan F. Development of a fuzzy expert system to diagnosis chronic kidney disease. Iran University of Medical Sciences, 2018, Completed.
10. Beitollahi M. Designing a Clinical Decision Support System for predicting the early complications of Mini Gastric Bypas surgery. Iran University of Medical Sciences, 2018., Completed.
11. Masoof E. Providing a portal model for women with breast cancer in Iran. Iran University of Medical Sciences, 2018., Completed.
12. Developing a conceptual model of an electronic medical record system for patients with psychiatric disorders. Iran University of Medical Sciences, 2017, Completed.
13. Gandali F. Development of a mobile Smartphone self-management epilepsy application. Iran University of Medical Sciences, 2017, Completed.

14. Kamali M. Feasibility of implementing speech recognition systems for nursing documentation in Hashemi Nejad Hospital. Iran University of Medical sciences. Iran University of Medical Sciences, 2017, Completed.
15. Rostami S. Factor affecting on acceptance of Radio Frequency Identification technology in health information management department in hospital affiliated Iran University of Medical sciences. Iran University of Medical Sciences, 2017, Completed.
16. Saffarhamidi N. Development of an application for the self-management of coronary heart disease. Iran University of Medical Sciences, 2017, Completed.
17. Zarei A. Study of contents and features of electronic dental records in specialized dental clinics in Tehran. Iran University of Medical Sciences, Completed.
18. Saravani S. Readiness assessment of implementing Barcod Medication Administration System in teaching hospitals affiliated to Iran University of Medical Sciences, Iran University of Medical Sciences, Completed.
19. Qazizadeh Z. Developing Statistical Indicators for Vice-chancellery of Treatment Affairs of Ministry of Health and Medical Education, Iran University of Medical Sciences, 2016. Completed.
20. Kargar M. Identifying effective factors of asthma and allergic disease using data mining techniques. Tehran University of Medical Sciences, 2015. Completed.
21. Bahareh Azizi. Design and implementation of a children vaccination reminder system based on short message service. Tehran University of Medical Sciences, 2015. Completed.
22. Khedri M, Relationship between socioeconomic status and burn patients survive using data mining. Tehran University of Medical Sciences, 2015. Completed.
23. Falahati Marvast F. A clinical decision support system for RGP contact lens evaluation. Tehran University of Medical Sciences, 2015. Completed.
24. Paydar K. Designing a Clinical Decision Support System for Prediction of Pregnancy Outcomes in Pregnant Women with Lupus. Tehran University of Medical Sciences, 2015. Completed.
25. Developing an Android-based application for the caregivers of children with cerebral palsy. Tehran University of Medical Sciences 2014. Completed
26. Valizadeh R. Developping a conceptual model for national health portal. Tehran University of Medical Sciences 2014. Completed.

Advisor

1. Mahdian Z. effectiveness of short text message sent as medication reminders on medication adherence in patients with chronic hyperlipidemia. Iran University of Medical Sciences, Completed.

2. Rezazadeh M. Developing a management dashboard for hospital oncology ward. Iran University of Medical Sciences, 2019, Completed.
3. Esfandiari pour M. Proposing a Model for an Electronic Medical Records Management System for Insurance Companies in Gorgan City, Iran. Tehran University. 2015. Completed.
4. Saremi M. Design a site selection model for telemedicine centers for health centers using geographic information systems. Tehran University of Medical Sciences, 2015. Completed.

Student thesis referee committee

PhD

1. Yousefian Zadeh. Developing ontology for gastric neoplasms. Iran University of Medical Sciences, 2019.
2. Orooji A. Designing a web based medical expert system shell using type 2 fuzzy logic. Iran University of Medical Sciences, 2019.
3. Moghbeli F. Process mining in the emergency department of heart hospital. Iran University of Medical Sciences, 2019.
4. Azadi T. Proposing a Child Injury Surveillance System for Iran. Iran University of Medical Sciences, 2018.
5. Fazaeli. A model of information system for health responsiveness evaluation. Iran University of Medical Sciences, 2014.
6. Abdekhoda H. Proposing a model for accepting Electronic Healthcare Record (EHCR). Iran University of Medical Sciences, 2014.
7. Davari N. Proposing a conceptual model of elderly health management information system for Iran. Iran University of Medical Sciences, 2014.
8. Mohammadi A. Developing a model for traffic accident information system based on GIS. Iran University of Medical Sciences, 2014.
9. Shahi M. Developing a framework for IT governance in Iranian teaching hospitals. Iran University of Medical Sciences, 2014.
10. Mahmoodzadeh Z. A Comparative study on the national hospital discharge data system of selected countries: providing a model for Iran. Iran University of Medical Sciences, 2014.

11. Damanabi L. Developing a model for national health information systems. Iran University of Medical Sciences, 2013.
12. Karami M. Radiology management dashboard design for radiology department and its implementation in a selected hospital affiliated to Tehran University of Medical Sciences. Tehran University of Medical Sciences, 2013.
13. Gazasaidi M. Designing and accomplishment of operational preparation assessment pattern for pre-Implementation electronic health records in Iran. Iran University of Medical Sciences, 2013.
14. Aminpour F. A Proposed Model for Open Source Electronic Health Records in Iran. Iran University of Medical Sciences, 2013.
15. Samadbeik. A model for e-prescription system in Iran. Iran University of Medical Sciences, 2012.
16. Kimiafar K. Evaluation model for hospital information systems. Iran University of Medical Sciences, 2012.

Master

1. Mirzaie M. Application of information fusion and genetic algorithms to predict long-term graft survival in patient with renal transplantation. Tarbiat Modares University, 2015.
2. Samadpour H. Proposed Logical Model of Personal Health records System's for Medical Science Students of IRAN (Case Study: Tehran University of Medical Sciences). Tarbiat Modares University, 2015.
3. Hasani Z. A clinical decision support system for diagnosis breast cancer based on Bayesian network. Tehran University of Medical Sciences, 2015.

Professional experiences

- Developing a mobile-based EHR for homecare visits, Iranian Health Network Company, a start-up company in Tehran, Iran, 2018-Now
- Scientific consultant of national population-based cancer registry, Iran Ministry of Health, 2014-2016.
- Scientific consultant of population-based cancer registry, Iranian Oil Industry, 2013-2014.
- Researcher, Cancer Research Center, Tehran University of Medical Sciences, 2012-2013.

- Consultant of Tehran cancer registry, Consultant for clinical coding consultant and development of electronic pathology systems. Cancer Research Center, Tehran University of Medical Sciences, 2003-2007.
- Clinical coder and auditor, Cancer Research Center, Tehran University of Medical Sciences, 2003-2007.
- Cancer registrar, Cancer Research Center, Tehran University of Medical Sciences, 2003-2007.
- Health information technician, Akhtar Hospital, 2002-2003.
- Health information technician, Tajrish Hospital, 2001-2002.

Disease registry executive experiences

- Director of the secretariat of disease registry and health outcome programs, Iran University of Medical Sciences, 2016-Now
- Member of steering committee, Regional Covid-19 registry, Hormozgan University of Medical Sciences, 2020-Now.
- Member of steering committee, Regional Covid-19 registry, Ahvaz University of Medical Sciences, 2020-Now.
- Member of steering committee, national eye tumor registry, Iran University of Medical Sciences, 2019-Now.
- Member of steering committee, suicide and attempted suicide registry, Iran University of Medical Sciences, 2019-Now.
- Member of steering committee, fall in elderly registry, Iran University of Medical Sciences, 2019-Now.
- Member of steering committee, hospital-based musculoskeletal tumor registry, Iran University of Medical Sciences, 2019-Now.
- Member of steering committee, regional autism spectrum disorder registry, Iran University of Medical Sciences, 2018-Now.
- Member of steering committee, regional Alzheimer registry, Iran University of Medical Sciences, 2018-Now.
- Consultant, national retinal dystrophy registry, Shahid beheshti University of Medical Sciences, 2018-Now.
- Member of steering committee, national population-based cancer registry, Iran Ministry of Health, 2014-2016.

- Scientific consultant of national population-based cancer registry, Iran Ministry of Health, 2014-2016.
- Scientific consultant of population-based cancer registry, Iranian Oil Industry, 2013-2014.

Committee members

- National ICD11 pilot implementation committee, Iran Ministry of Health
- Research committee, School of Health management and Information Sciences, Iran University of Medical Sciences, 2016-Now.
- Member of the e-learning committee, Iran University of Medical Sciences, 2017-2018.
- Curriculum development committee, Iran University of Medical Sciences, 2017-2018.
- Scientific committee of second national conference of medical informatics, Tarbiat modares University, Tehran, Iran, 2018.
- Scientific committee of second international conference of disease registry, Tehran University of Medical Sciences, Tehran, Iran, 2018.
- Scientific committee of first national conference of medical informatics, Mashhad University of Medical Sciences, Tehran, Iran, 2017.
- Scientific committee of first international conference of disease registry, Mashhad University of Medical Sciences, Mashhad, Iran, 2017.
- Scientific committee of 5th national conference of health information management and 1st health information technology, Tabriz University of Medical Sciences, Tabriz, Iran, 2017.
- Scientific committee of 5th national conference of health information management and 1st health information technology, Tabriz University of Medical Sciences, Tabriz, Iran, 2017.
- Student proposal review committee, School of Health management and Information Sciences, Iran University of Medical Sciences, 2014-2016.
- Scientific committee of 8th national conference of e-learning in medical education, Iran University of Medical Sciences, Tehran, Iran, 2016.

Workshop teaching

- Disease and health outcome registry, Abadan University Of Medical Sciences, Iran, 2019.

- Disease and health outcome registry, Iran University Of Medical Sciences, Tehran, Iran, 2019.
- Disease and health outcome registry, Hormozgan University Of Medical Sciences, Iran, 2018.
- Health information management and systems for hospital managers, different cities in Iran (Tehran, Kermanshah, Kerman, Tabriz, Sari), Iran ministry of health, 2017-2018.
- Disease and health outcome registry, Kashan University Of Medical Sciences, Iran, 2018.
- Cancer Coding based on ICDO-3, Cancer Research Center, Tehran University of Medical Sciences, Tehran, Iran, 2018.
- Data Mining, Iran University Of Medical Sciences, Tehran, Iran, 2018.
- Writing research proposals, Iran University of Medical Sciences, Tehran, Iran, 2018.
- Disease and health outcome registry, Mashahad University of Medical Sciences, Iran, 2018.
- Writing research proposals, Iran University of Medical Sciences, Tehran, Iran, 2017.
- Disease and health outcome registry, Iran ministry of health, Tehran, Iran, 2016.
- Cancer registry, Iran ministry of health, Tehran, Iran, 2016.
- Cancer registry, Iran ministry of health with collaboration of WHO, Tehran, Iran, 2015.
- Application of IT in nursing documentation, Iran University of Medical Sciences, Tehran, Iran, 2015.
- Cancer registry, Iran ministry of health, Tehran, Iran, 2014.
- Writing research proposals, Iran University of Medical Sciences, Tehran, Iran, 2013.
- Several workshops on SPSS, since 2007.
- Several workshops on research methods, since 2007.
- Several workshops on reference manger software, since 2007.

Workshop and course participation certification

- Ethical Leadership, University of St. Scolastica, 2019.
- Leading Effective Project Teams, University of St. Scolastica, 2019.

- Machine learning and data mining, Iran University of Medical Sciences, Tehran, Iran, 2018.
- Clustering, Iran University of Medical Sciences, Tehran, Iran, 2018.
- Frequent mining and sequence mining, Iran University of Medical Sciences, Tehran, Iran, 2018.
- Systematic Review, Iran University of Medical Sciences, Tehran, Iran, 2018.
- Principles of Project Management, University of St. Scolastica, 2018.
- M-health evaluation, Iran ministry of health, Tehran, Iran, 2018.
- Adult learning, Iran ministry of health, Tehran, Iran, 2018.
- Knowledge management, Iran University of Medical Sciences, Tehran, Iran, 2018.
- Smart PLS, Iran University of Medical Sciences, Tehran, Iran, 2018.
- Master Certificate in Healthcare Data Analytics, Johns Hopkins University, 2017.
- Master Certificate in Population Health, Johns Hopkins University, 2017.
- Clinical Data Analytics and the Learning Health System, Johns Hopkins University, 2017.
- Population Health Data Analytics, Johns Hopkins University, 2017.
- Population Health Policy, Johns Hopkins University, 2017.
- Population Health Interventions, Johns Hopkins University, 2017.
- Understanding Healthcare Data Analytics, Johns Hopkins University, 2017.
- Population Health and the Application of Health IT, Johns Hopkins University, 2017.
- Understanding Healthcare Data Analytic, Johns Hopkins University, 2017.
- How to Write an Essay, University of California, Berkeley, 2015.
- Innovation and IT Management, Indian Institute of Management Bangalore, 2015.
- Implementation and Evaluation of Educational Technology, Massachusetts Institute of Technology, 2015.
- eHealth - Opportunities and Challenges, Karolinska Institutet, 2015.
- Process Mining: Data science in Action, EINDHOVEN University of technology, 2015.

- Medicine in the Digital Age, Rice University, 2015.
- Economic and Business research method and business plan, Tehran University of Medical Sciences, Tehran, Iran, 2015.
- Qualitative research, Iran University of Medical Sciences, Tehran, Iran, 2015.
- Phenomenology, Iran University of Medical Sciences, Tehran, Iran, 2015.
- Grounded theory, Iran University of Medical Sciences, Tehran, Iran, 2015.
- AMOS, Kowsar Medical Institute, Tehran, Iran, 2015.
- Smart health and wellbeing, Shahid Beheshti University, Tehran, Iran, 2015.
- MAXQDA, Iran University of Medical Sciences, Tehran, Iran, 2014.
- Technology commercialization, Iranian Association of Technology Management, Tehran, Iran, 2014.
- Get your published paper noticed, Springer, 2014.
- Options in article publishing, Springer, 2014.
- ‘How reviewers look at your paper, Springer, 2014.
- Knowledge translation, Iran ministry of health, Tehran, Iran, 2018.
- Arc GIS, Tehran, Iran, 2013.
- Short term course of medical education, Tehran University of Medical Sciences, Tehran, Iran, 2013.
- How to publish a scientific journal article, Tehran University of Medical Sciences, Tehran, Iran, 2013.
- Systematic review, Tehran University of Medical Sciences, Tehran, Iran, 2012.
- How to publish a scientific journal article, workshop held by Springer and Edanz, Tehran University of Medical Sciences, Tehran, Iran, 2011.

Journal editorial board

1. Journal of Health Administration, published in Persian, Associate editor
2. Journal of Health Information Management, published in Persian, Editorial board

Peer reviewing experiences

(Link to Publon profile)

1. Journal of Medical Internet Research
2. International Journal of Medical Informatics
3. JMIR Medical Informatics
4. JMIR MHealth and UHealth
5. Journal of Medical Systems
6. Applied Clinical Informatics
7. Informatics for Health and Social Care
8. Journal of Experimental and Theoretical Artificial Intelligence
9. Journal of Medical Signals and Sensors
10. SpringerPlus
11. Artificial Intelligence Review
12. Health and Quality of Life Outcomes
13. International Journal of Health Policy and Management
14. International Journal of Hospital Research
15. Iranian Red Crescent Medical Journal
16. Nigerian Journal of Clinical Practice
17. BMJ Open
18. Acta Medica Informatica
19. Proceedings of the American Medical Informatics Association Annual Symposium
20. Journal of Health and Biomedical Informatics, published in Persian
21. Journal of Health Information Management, published in Persian
22. Journal of Health Administration, published in Persian
23. Journal of Payavard, published in Persian

Awards

1. The best teacher in the field of research on education, 2019, Awarded by Iran University of Medical sciences.
2. Kimiafar K, Sarbaz M, **Sheikhtaheri Abbas**, et al. Application of online survey in evaluation and effectiveness of medical education: Case study on lesson plan improvement. Selected as the best innovative process in Motahari Festival (A national festival for selecting best innovative processes in medical education). Mashhad University of Medical Science, 2017.
3. Kimiafar K, Sarbaz M, **Sheikhtaheri Abbas**. Application of online survey in evaluation of students' perspectives on lesson plans to improve the education plans. Selected as one of the 10 best innovative electronic processes, 8th conferences of e-learning in medical education, Iran University of Medical Science, 2016.
4. Selected as the best innovative process in Motahari Festival (A national festival for selecting best innovative processes in medical education). Mashhad University of Medical Science, 2017.

5. The best PhD student in the country, 2012. Awarded by the President of I.R of Iran.
6. The best published book in the field of health information technology, 2012. Awarded by the Isfahan University of Medical Sciences, Iran.
7. The best student researcher, 2010, Awarded by Iran University of Medical Sciences, Iran.
8. The second ranked student in the national entrance exam for PhD. 2008. Ministry of Health and Medical Education.
9. The best MSc student, 2007. Awarded by Shahid Beheshti University of Medical Sciences, Iran.
10. The first ranked student in the national entrance exam for MSc. 2004. Ministry of Health and Medical Education.

Skills

- Disease registry
- SPSS (Statistical software)
- Reference Manager (Bibliographic management software)
- End Note (Bibliographic management software)
- Data mining
- IBM Data Modeler (Data Miner)
- SmartPLS
- Weka
- Data analytics
- Systematic review
- Prom (Prom lite), process mining software
- AMOS
- DHIS2 (open source software for health data management)
- Diseases classification systems (ICD-10, ICD11, ICD-O. etc.)