

Curriculum Vitae

1. General Information

Surname: Khajouei

Forename: Reza

Title: PhD

Gender: Male

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2. Educations and Trainings

- 2.1.** 2006-2011 PhD in Medical Informatics, University of Amsterdam, Amsterdam, The Netherlands

Thesis: Usability evaluation of healthcare information systems: comparison of methods and classification of usability problems

- 2.2.** 1998-2000 MSc in Medical Records Education, Iran University of Medical Sciences, Tehran, Iran, with an outstanding score (18.49 out of 20).

Thesis: A study on the performance of Medical Records departments in teaching hospitals affiliated with Kerman University of Medical Sciences.

- 2.3.** 1995-1997 BSc in Medical Records, Shahid Beheshti University of Medical Sciences, Tehran, Iran, with an outstanding score (17.55 out of 20).

Final project: A quantitative study on the operational documents in hospitals affiliated with Shahid Beheshti University of Medical Sciences.

- 2.4.** 1991-1993 Associate degree in Medical Records, Kerman University of Medical Sciences (KUMS), Kerman, Iran, with an outstanding score (17.47 out of 20).

3. Administrative positions and work experiences

- 3.1.** 2017-Present Vice dean of Faculty of Management and Health Information Sciences, KUMS, Kerman, Iran

- 3.2.** 2015-Present Associate professor, Faculty of Management and Health Information Sciences, KUMS, Kerman, Iran

- 3.3.** 2015-Present A member of the Board of Health Information Management and Medical Informatics, Ministry of Health, Iran

- 3.4.** 2012-Present Head of Medical Informatics Research Center, KUMS, Kerman, Iran

- 3.5.** 2011-2015 Assistant professor, Faculty of Management and Health Information Sciences, KUMS, Kerman, Iran

- 3.6.** 2013-Present Director in chief, Journal of Health and Biomedical Informatics, KUMS, Kerman, Iran

- 3.7.** 2012-Present Editorial board, Journal of Management and Medical Informatics School, KUMS, Kerman, Iran

- 3.8.** 2012-Present Editorial board, International Journal of Research in Applied and Basic Medical Sciences (IJRABMS), Urmia University of Medical Sciences, Urmia, Iran

- 3.9.** 2006-2011 Researcher in the Department of Medical Informatics, AMC, University of Amsterdam

- 3.10. 2005-2006 Head of the Medical Records Department, Faculty of Management and Health Information Sciences, KUMS, Kerman, Iran
- 3.11. 2000-2006 Faculty member, Faculty of Management and Health Information Sciences, KUMS, Kerman, Iran
- 3.12. 1996-1999 Administrator, Medical records department, Kashani hospital. Sirjan Iran
- 3.13. 1994-1995 Administrator, Medical records department, Kashani hospital. Sirjan Iran

4. Publications

4.1. Scientific journals

- 4.1.1. **Khajouei R**, Eslami Jahromi M, Ameri A. Challenges of implementing picture archiving and communication system in multiple hospitals: perspectives of involved staff and users. *J Med Syst.* 2019; 43: 182. <https://doi.org/10.1007/s10916-019-1319-0>
- 4.1.2. Parsa S, **Khajouei R**, Baneshi MR, Aali BS. Improving the knowledge of pregnant women using a pre-eclampsia app: A controlled before and after study. *Int J Med Inform.* 2019;125:86-90.
- 4.1.3. Zahiri Esfahani M, Farokhzadian J, Bahaadinbeigy K, **Khajouei R**. Factors influencing the selection of a picture archiving and communication system: A qualitative study. *Int J Health Plann Mgmt.* 2019;1–14.
- 4.1.4. Mazaheri Habibi MR, **Khajouei R**, Eslami S, Jangi M, Ghalibaf AK, Zangouei S. Usability testing of bed information management system: A think-aloud method. *J Adv Pharm Technol Res.* 2018; 9(4):153-157.
- 4.1.5. **Khajouei R**, Abbasi R, Mirzaee M, Errors and causes of communication failures from hospital information systems to electronic health record: a record-review study. *Int J Med Inform.* 2018; 119: 47–53
- 4.1.6. Yasemi Z, Rahimi B, **Khajouei R**, Yusefzadeh H. Evaluating the Usability of a Nationwide Pharmacy Information System in Iran: Application of Nielsen’s Heuristics. *J Clin Res Paramed Sci.* 2018; 7(2):e80331.
- 4.1.7. Farzandipour M, Nabovati E, Zaeimi GH, **Khajouei R**. Usability Evaluation of Three Admission and Medical Records Subsystems. *Acta Inform Med.* 2018; 26(2.000): 133-138
- 4.1.8. Ghalibaf AK, Jangi M, Habibi MRM, Zangouei S, **Khajouei R**. Usability evaluation of obstetrics and gynecology information system using cognitive walkthrough method. *Electron Physician.* 2018;10(4):6682-6688.
- 4.1.9. **Khajouei R**, Ameri A, Jahani Y. Evaluating the agreement of users with usability problems identified by heuristic evaluation. *Int J Med Inform.* 117 (2018) 13–18 [Epub ahead of print]
- 4.1.10. Zahiri Esfahani M, **Khajouei R**, Baneshi MR. Augmentation of the Think Aloud Method with Users' Perspectives for the Selection of a Picture Archiving and Communication System. *J Biomed Inform.* 2018; 80:43-51.[Epub ahead of print] PubMed PMID: 29501909.
- 4.1.11. **Khajouei R**, Hajesmaeel Gohari S, Mirzaee M. Comparison of two heuristic evaluation methods for evaluating the usability of health information systems. *J Biomed Inform.* 2018; 80:37-42. [Epub ahead of print] PubMed PMID: 29499315.

- 4.1.12. Kamali S, Ahmadian L, **Khajouei R**, Bahaadinbeigy K. Health information needs of pregnant women: information sources, motives and barriers. *Health Info Libr J*. 2018;35(1):24-37.
- 4.1.13. Ehtemam H, Montazeri M, **Khajouei R**, Hosseini R, Nemati A, Maazed V. Prognosis and Early Diagnosis of Ductal and Lobular Type in Breast Cancer Patient. *Iran J Public Health*. 2017; 46(11): 1563-1571.
- 4.1.14. Khajouei H, **Khajouei R**. Identifying and prioritizing the tools/techniques of knowledge management based on the Asian Productivity Organization Model (APO) to use in hospitals. *Int J Med Inform*. 2017; 108:146–151[Epub ahead of print]
- 4.1.15. Abbasi M, Eslami S, Mohammadi M, **Khajouei R**. The pedagogical effect of a health education application for deaf and hard of hearing students in elementary schools. *Electron Physician*. 2017 Sep;9(9):5199-5205.
- 4.1.16. Ahmadian L, Dorosti N, **Khajouei R**, Gohari SH. Challenges of using Hospital Information Systems by nurses: comparing academic and non-academic hospitals. *Electron Physician*. 2017 Jun 9(6):4625-4630.
- 4.1.17. Ameri A, **Khajouei R**, Ghasemi-Nejad P, Barriers to Implementing Electronic Health Records from the Perspective of IT Administrators and Hospital Managers in Kerman. *Journal of Health Administration*. 2017; 20(69):19-30. (Persian)
- 4.1.18. **Khajouei R**, Salehi F, Health literacy among Iranian high school students. *American Journal of Health Behavior*. 2017; 41(2):215-222.
- 4.1.19. **Khajouei R**, Abbasi R, Evaluating nurses' satisfaction with two nursing information systems. *Comput Inform Nurs*. 2017; 35(6):307-314.
- 4.1.20. Sabahi A, Ahmadian L, Mirzaee M, **Khajouei R**. Patients' preferences for receiving laboratory test results. *Am J Manag Care*. 2017 Apr 1;23(4):e113-e119.)
- 4.1.21. **Khajouei R**, Zahiri Esfahani M, Jahani Y. Comparison of heuristic and cognitive walkthrough usability evaluation methods for evaluating health information systems. *J Am Med Inform Assoc*. 2017 Apr 1;24(e1):e55-e60.
- 4.1.22. Farokhzadian J, Ahmadian L, **Khajouei R**, Mangolian Shahrabaki P, Information literacy and training needs of nursing managers for evidence-based practice, *Iran Journal of Nursing* 2016; 29(101): 43-56. (Persian)
- 4.1.23. Okhovati M, Karami F, **Khajouei R**. Exploring the usability of the central library websites of medical sciences universities. *Journal of Librarianship and Information Science*. 2017; 49(3): 246-255.
- 4.1.24. Ansari R, **Khajouei R**. Evaluating the quality of websites of research institutes affiliated to Iranian universities of medical sciences. *Health Inf Manage* 2016; 13(4): 320-5 (Persian)
- 4.1.25. Sabahi A, **Khajouei R**. Implementation of a GIS using medical records data of patients with traffic accidents. *Health Inf Manage* 2016; 13(3):155-162. (Persian)
- 4.1.26. Ahmadian L, Hajesmaeel-Gohari S, **Khajouei R**. An evaluation of the compliance of studies evaluating health information systems in Iran with the Statement on Reporting of Evaluation Studies in Health Informatics. *Health Inf Manage* 2016; 13(2):71-7. (Persian)
- 4.1.27. Azami M, **Khajouei R**, Rakhshani S. Postgraduate medical students' acceptance and understanding of scientific information databases and electronic resources. *Electron Physician*. 2016 Mar;8(3):2066-72.
- 4.1.28. Atashi A, **Khajouei R**, Azizi AA, Dadashi A. User interface problems of a nationwide inpatient information system: a heuristic evaluation. *Applied Clinical Informatics*. 2016;7(1):89-100.

- 4.1.29. Farokhzadian J, **Khajouei R**, Ahmadian L. Evaluating factors associated with implementing evidence-based practice in nursing. *J Eval Clin Pract*. 2015 Dec;21(6):1107-13.
- 4.1.30. Okhovati M, Karami F, **Khajouei R**. Usability ranking of central libraries' websites of Iranian medical universities and its relationship with webometric ranking. *Journal of Health Administration*. 2015; 18(60): 17-30. (Persian)
- 4.1.31. Zakerabasali S, Monem H, Sharifian R, **Khajouei R**. Usability evaluation of Ulite web-based picture archiving and communication systems software in Shiraz University of Medical Science hospitals. *Journal of Health Management and Informatics*. 2015; 2(4), 132-137
- 4.1.32. Hajesmaeel-Gohari S, Bahaadinbeigy K, Ahmadian L, **Khajouei R**, Pournik O. Published papers on telepathology projects. *Journal of Health Management and Informatics*. 2015; 2(4): 108-119
- 4.1.33. Abedi S, **Khajouei R**. Evaluating the users' interaction problems with physiotherapy information system. *Hospital*. 2015; 3(54): 83-92. (Persian)
- 4.1.34. **Khajouei R**, Saghaeyannejad Isfahani S, Jahanbakhsh M, Mirmohammadi M. Assessment of the performance of the laboratory information system (LIS) based on the standards of the American National Standards Institute (ANSI). *Journal of Health and Biomedical Informatics* 2015; 2(1). (Persian)
- 4.1.35. Farokhzadian J, **Khajouei R**, Ahmadian L. Information seeking and retrieval skills of nurses: Nurses readiness for evidence based practice in hospitals of a medical university in Iran. *Int J Med Inform*. 2015 Aug;84(8):570-7
- 4.1.36. Ahmadian L, Salehi Nejad S, **Khajouei R**. Evaluation methods used on health information systems (HISs) in Iran and the effects of HISs on Iranian healthcare: a systematic review. *Int J Med Inform*. 2015 Jun;84(6):444-53.
- 4.1.37. Montazeri M, **Khajouei R**. Sabermahani F. Evaluating radiology and pathology modules of a hospital information system based on ISO 9241/12. *Journal of Kerman University of Medical Sciences*, 2015; 22(2): 194-204. (Persian)
- 4.1.38. Hosseini H, **Khajouei R**, Miri Aliabad F. A study on physicians' attitude toward Computerized Physician Order Entry systems. *Payesh*. 2015; 4(62); 411. (Persian)
- 4.1.39. Ahmadian L, **Khajouei R**, Nejad SS, Ebrahimzadeh M, Nikkar SE. Prioritizing barriers to successful implementation of hospital information systems. *J Med Syst*. 2014 Dec;38(12):151.
- 4.1.40. Abedi S, **Khajouei R**, Ahmadian L, Kaveh S. Information content of the websites of health information management and technology, and medical records departments in Iranian medical universities. *Health Inf Manage* 2014; 11(4):399. (Persian)
- 4.1.41. Isfahani SS, **Khajouei R**, Jahanbakhsh M, Mirmohammadi M. The evaluation of hospital laboratory information management systems based on the standards of the American National Standard Institute. *J Edu Health Promot* 2014; 3(61): 59-63
- 4.1.42. Salehi Nejad S, Ahmadian L, **Khajouei R**. Effects of health information systems in Iran: a systematic review. *Health Inf Manage* 2014; 11(2): 270-284. (Persian)
- 4.1.43. Khosravi S, Barouni M, **Khajouei R**, Fakhrzad N. Evaluating the efficiency of health information technology departments of Iranian medical universities using data envelopment analysis during 2011. *Media*. 2014; 5 (1): 26-32. (Persian)
- 4.1.44. Nabovati E, Vakili-Arki H, Eslami S, **Khajouei R**. Usability evaluation of laboratory and radiology information systems integrated into a hospital information system. *J Med Syst*. 2014 Apr;38(4):35.

- 4.1.45. Ahmadian L, Ghasemi E, **Khajouei R**. Evaluating the process of requesting and collecting laboratory test results from nurses' viewpoints before and after his implementation. *Hakim Health Sys Res* 2014; 17(4): 15- 21. (Persian)
- 4.1.46. **Khajouei R**, Salehi nejad S, Ahmadian L. Methods used for evaluation of health information systems in Iran. *JHA*. 2013; 16 (53) :7-21. (Persian)
- 4.1.47. **Khajouei R**, Azizi A, Atashi A. Usability evaluation of an emergency information system: a heuristic evaluation. *JHA*. 2013; 16 (52) :61-72. (Persian)
- 4.1.48. Agharezaei Zh, **Khajouei R**, Ahmadian L, Agharezaei L. Usability evaluation of a laboratory information system. *Health Inf Manage* 2013; 10(2): 213-24. (Persian)
- 4.1.49. Ahmadian L, **Khajouei R**. Impact of computerized order sets on practitioner performance. *Stud Health Technol Inform*. 2012;180:1129-31.
- 4.1.50. **Khajouei R**, Peute LW, Hasman A, Jaspers MW. Classification and prioritization of usability problems using an augmented classification scheme. *J Biomed Inform*. 2011; 44 (6) 948–957.
- 4.1.51. **Khajouei R**, Hasman A, Jaspers MW. Determination of the effectiveness of two methods for usability evaluation using a CPOE medication ordering system. *Int J Med Inform*. 2011 May;80(5):341-50.
- 4.1.52. **Khajouei R**, Wierenga PC, Hasman A, Jaspers MW. Clinicians satisfaction with CPOE ease of use and effect on clinicians' workflow, efficiency and medication safety. *Int J Med Inform*. 2011 May;80(5):297-309.
- 4.1.53. **Khajouei R**, Ahmadian L, Jaspers MW. Methodological concerns in usability evaluation of software prototypes. *J Biomed Inform*. 2011 Aug;44(4):700-1
- 4.1.54. **Khajouei R**, Peek N, Wierenga PC, Kersten MJ, Jaspers MW. Effect of predefined order sets and usability problems on efficiency of computerized medication ordering. *Int J Med Inform*. 2010 Oct;79(10):690-8.
- 4.1.55. **Khajouei R**, Jaspers MW. The impact of CPOE medication systems' design aspects on usability, workflow and medication orders: a systematic review. *Methods Inf Med*. 2010;49(1):3-19.
- 4.1.56. **Khajouei R**, de Jongh D, Jaspers MW. Usability evaluation of a computerized physician order entry for medication ordering. *Stud Health Technol Inform*. 2009;150:532-6.
- 4.1.57. **Khajouei R**, Jaspers MW. CPOE system design aspects and their qualitative effect on usability. *Stud Health Technol Inform*. 2008;136:309-14.
- 4.1.58. Ahmadian L, **Khajouei R**. Deficiency in information system an obstacle for strategy of FOCUS-PDCA. *Journal of Management and Medical Information sciences*, 2004; 7(16): 65-74. (Persian)
- 4.1.59. **Khajouei R**. Computer-based Patient Record, Use of the advanced technology in Health Information Management. *Teb va Tazkieh*, 2002; 46:60-65. (Persian)

4.2. Conference proceedings

- 4.2.1. Ahmadian L., Nazari M., Naseri A., **Khajouei R**. Development of a minimum data set for operating room management information system. First National Congress of Medical Informatics, Mashhad, Iran, 16-17 Feb 2017.
- 4.2.2. Ahmadian L., Pourshahrokhi N., **Khajouei R**. Patients preferences to receive postpartum advices. 1st National Congress of Medical Informatics, Mashhad, Iran, 16-17 Feb 2017.
- 4.2.3. Abbasi R., Ahmadian L., Zahiri Esfahani M., **Khajouei R**. Evaluating information confidentiality of computer desktops in Shahid Beheshti Hospital. First National Congress of Medical Informatics, Mashhad, Iran, 16-17 Feb 2017.

- 4.2.4. **Khajouei R.**, Zahiri Esfahani M. The impact of PACS (Picture Archiving and Communication System) on hospital workflow: a systematic review. First National Congress of Medical Informatics, Mashhad, Iran, 16-17 Feb 2017.
- 4.2.5. **Khajouei R.**, Zahiri Esfahani M. Investigating the usability of a medical office management system using Cognitive Walkthrough. First National Congress of Medical Informatics, Mashhad, Iran, 16-17 Feb 2017.
- 4.2.6. Zahiri Esfahani M., Abbasi R., Ahmadian L., **Khajouei R.** Evaluation of physicians satisfaction with Picture Archiving and Communication System (PACS). First National Congress of Medical Informatics, Mashhad, Iran, 16-17 Feb 2017.
- 4.2.7. Eslami Jahromi M., Tabatabaei F., **Khajouei R.** Determining attitude and readiness of medical students in Kerman University of Medical Sciences concerning acceptance of decision support systems for electronic prescription in 2017. First National Congress of Medical Informatics, Mashhad, Iran, 16-17 Feb 2017.
- 4.2.8. Mazaheri Habibi MR., **Khajouei R.**, Eslami S. Jangi M. Kamel Ghalibaf A. Zangoei S. Usability evaluation of inpatient process in hospital information system using think aloud. First National Congress of Medical Informatics, Mashhad, Iran, 16-17 Feb 2017.
- 4.2.9. Eslami Jahromi M, Mahmoudi M, **Khajouei R.** A Study on the viewpoint of students using dormitories in Kerman University of Medical Science regarding the effect of cellphone on their sleep and educational performance using Pittsburgh Sleep Quality Index (PSQI) and the Insomnia Severity Index Morin (ISI). 5th Conference on Recent Research in Science and Technology. Spring 2016 , Kerman, Iran.
- 4.2.10. Farokhzadian J, **Khajouei R.**, Ahmadian L, Mohammadalizadeh F. Training needs of nurse leaders and nurses for implementing evidence-based practice. The 1st International Student Congress on Research Integrity & Evidence Based Practice. Dec 2015, Kish, Iran.
- 4.2.11. Farokhzadian J, **Khajouei R.**, Ahmadian L. Evaluation of factors influencing the implementation of evidence-based practice by nurses. The 1st International Student Congress on Research Integrity & Evidence Based Practice. Dec 2015, Kish, Iran.
- 4.2.12. Farokhzadian J, **Khajouei R.**, Ahmadian L. Information seeking skills and need training of nurse leaders for implementing evidence-based practice. The 1st International Student Congress on Research Integrity & Evidence Based Practice. Dec 2015, Kish, Iran.
- 4.2.13. Zakerabbasali S, Monem H, Sharifian R, **Khajouei R.** Assessment of applicability of web-based (Ulite). The 6th Iranian Imaging Informatics Conference; 2015; Tehran, Iran.
- 4.2.14. Farokhzadian J, **Khajouei R.**, Ahmadian L, Mangelian Shahrabaki P. Gap in nurses' Knowledge for applying evidence-based practice. The Congress of Nursing and Midwifery Education: Theory to practice: Improve the Quality of Clinical Education; 2014; Tehran, Iran.
- 4.2.15. **Khajouei R.**, Ahmadian L, Jaspers M.W. Use of two qualitative methods for evaluating the user interface of a health care information system, 2nd Conference on Qualitative Research in Health Sciences; 2010; Kerman, Iran.
- 4.2.16. **Khajouei R.**, Ahmadian L, Jaspers M.W. Using think aloud method for evaluating the user interface of a CPOE , 2nd Conference on Qualitative Research in Health Sciences; 2010; Kerman, Iran.
- 4.2.17. **Khajouei R.**, Peute L.W, Langemeijer M.M, Jaspers M.W. Impact of alert specifications on clinician adherence: a systematic review (poster presentation), MedInfo 2010, Cape Town, South Africa.
- 4.2.18. **Khajouei R.**, Ahmadian L. A study on neurologists' and coders' viewpoints about the ICD-10 and ICD-NA classification in 2003. 20th European Conference on Operational Research OR and the Management of Electronic Services; 2004; Rhodes, Greece.

- 4.2.19. **Khajouei R**, Ahmadian L. Applying computer-based patient records (CPR) in the health information management. 20th European Conference on Operational Research OR and the Management of Electronic Services; 2004; Rhodes, Greece.
- 4.2.20. Ahmadian L, **Khajouei R**. Organizing data collection in health records. 20th European Conference on Operational Research OR and the Management of Electronic Services; 2004; Rhodes, Greece.
- 4.2.21. Ahmadian L, **Khajouei R**. Deficiency in information system, an obstacle for strategy of the Total Quality Management (TQM). 20th European Conference on Operational Research OR and the Management of Electronic Services; 2004; Rhodes, Greece.
- 4.2.22. **Khajouei R**. Using modern technology in health information management. 1st National Conference on Resource Management in Hospital; 2002; Tehran, Iran.
- 4.2.23. **Khajouei R**. Evaluation of medical records departments performance in Kerman hospitals. The National Congress on Role of Management in Health Care Delivery; 1999; Kerman, Iran.

4.3. Books

- 4.3.1. **Khajouei R**, Usability of information systems in healthcare. LAP Lambert Academic Publishing. Saarbrucken, 2013.