

In the name of God

Curriculum Vitae

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Education (Academic Preparation)

Major	Degree	University	Country	Year
Health Information Management	Ph.D.	Iran University of Medical Sciences and Health Care Services	Iran	2005
Medical Record Education	M.Sc.	Iran University of Medical Sciences and Health Care Services	Iran	1998

Academic Administrative Appointments

Position	Duties	Institution/ Location	Year
Faculty Staff (Assistant Professor) School of Allied Medical Sciences, SBMU, Tehran, Iran	Assistant Professor	School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran	2006 – Present
Head of Educational Development Office (EDO), School of Allied Medical Sciences, SBMU, Tehran, Iran	Head of Educational Development Office (EDO)	School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences	2009
Member of Evaluation branch of EDO, School of Allied Medical Sciences, SBMU, Tehran, Iran	Member of EDO, Evaluation Unit	School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences	
Educational Researcher - Part Time - Member of Centre of Cancer Research Centre of Cancer Research, Tehran, Iran	Member of Centre of Cancer Research	Shahid Beheshti University of Medical Sciences	June 2010

Theses

Title of Thesis	Degree	Supervisor(s)
“Designing a Conceptual Model of Hospital Information System in Iran” Designing of 9 subsystems including: MPI, (R-ADT), (OLMR), Chart Management (CM), Patient/ Resource Scheduling (Scheduling), Order Entry/Result Reporting (OE/RR), Surgical Information System (SIS), Nursing Information System (NIS) and Picture Archiving and Communications System (PACS), Nov.2005.	Ph.D.	Dr. Bahram Delgoshacee
“A study of Role of Medical Record in Health Evaluation in Iran”, Apr.1997.	M.Sc.	Dr. Abbas Bazargan

a. Teaching History

School	*Level	Major	Title of Lesson
School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences	Ph.D.	Medical Informatics	<ul style="list-style-type: none"> • Health Information system • Ontology & Taxonomy • Health Information Standards • Application of state-of-the-art technology in medicine • Health and Medical Informatics • Medical Terminology • Management Principles & Theories • Telemedicine • Research Seminar • E- Electronic
School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences	Ph.D.	Health Information Management	<ul style="list-style-type: none"> • Design & Development of Health Information System • State of the Art Technologies in HIM • Management of Health Information System • Research Methodology & Seminar in HIM • Health Information System • Management of Information Networks • International Medical Nomenclature and Classification Systems • Health Care Standards • Analysis of Management Theories • Quality Management and Improvement Methods • Health care standard
School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences	M.Sc.	Medical Informatics	<ul style="list-style-type: none"> • Application of IT in Health • Management in Medical Informatics • Terminology, Classification and Coding Standard • Research Seminar in Medical Informatics
School of Allied Medical Sciences, Shahid Beheshti University of Medical Sciences	M.Sc.	HIT	<ul style="list-style-type: none"> • Application of IT in Health • Health Classification & Nomenclature in Health System • Research Methodology • Research Seminar in HIT • Health Information Management • Management Theories • Electronic Health Records

b. Professional Service

Type of Service	Place	Year

d. Executive Positions and Appointments (Administrative)

Job Title	Site of Activity	Supervisor
Head of Educational Development Office (EDO) of Faculty of Paramedical Sciences	Shahid Beheshti University of Medical Sciences	2009
Head of Hafez Hospital Medical Record Department	Shiraz University of Medical Sciences	2001

e. Honors and awards

Award	Place	Awarding body	Year
Selected as exemplary Faculty Member of Shahid Beheshti University of Medical Sciences in 2005 and 2011	Shahid Beheshti University of Medical Sciences	Director of Shahid Beheshti University of Medical Sciences	2005
Exemplar Assistant Professor	Shahid Beheshti University of Medical Sciences	Director of Shahid Beheshti University of Medical Sciences	2011
Selected as the Exemplary Student in Ph.D. Degree by Ministry of Health in 2005	Ministry of Health	Ministry of Health	2005
Selected as the Exemplary Student in Postgraduate Degree by Ministry of Health in 1996	Ministry of health	Ministry of Health	1996

Membership in Professional Associations and Societies (Professional Memberships)

Name of Association
Electronic Health Association
Medical Informatics Association

Approved Projects and Proposals

Title	Place	Year
Design and Evaluation of computerized physician order entry (CPOE) coupled with CDSS for breast cancer chemotherapy	School of Allied Shahid Beheshti University of Medical Sciences	2019
Detection and classification of ALL in blood smear microscopic images using deep convolutional neural network (CNN)	SBMU	2019
Automated Intelligent system based on smart phone in ALL Detection	SBMU	2020
Efficient CNN Model for Detection & Classification of B-ALL based-on PBS	SBMU	2020
Design & Evaluation of Mobile Application for Stomach Cancer Self-Management	SBMU	2022
Design & Evaluation of CDSS for Prediction of Esophageal Varices in liver cirrhosis patients based on Machin Learning	SBMU	2021
Design of National Pharmacovigilance system Framework for Iran	SBMU	2018
Design of National Organ Procurement & Transplant Information Network	SBMU	2012
Design & Evaluation of Crisis Management Information System based-on web and Mobile Technology	SBMU	2017
Comparative of Efficiency of Tuberculosis Diagnosis Model based on MLP & ANFIS	SBMU	2020
Comparative of Efficiency of Stroke Prediction Model based of NN & SVR	SBMU	2020
Design of Population based registry of Acute Coronary Syndrome	SBMU	2021
Usability Evaluation of Operation room information system Software	SBMU	2021

LIST OF THESES: As SUPERVISOR

Title
1. Design and Evaluation of computerized physician order entry (CPOE) coupled with CDSS for breast cancer chemotherapy
2. Detection and classification of ALL in blood smear microscopic images using deep convolutional neural network (CNN)
3. Designing and evaluation a web-based and mobile-based crisis management information system
4. Designing and evaluation of clinical decision support system (CDSS) for multiple sclerosis disease diagnosis
5. Comparing the efficiency of diagnostic models of tuberculosis using multi-layer perceptron neural network and adaptive neuro-fuzzy inference system
6. Comparing the efficiency of stroke prediction models based on two methods of neural network (MLP) and support vector machine (SVM)
7. Design and evaluation of mobile application for self- management of stomach cancer
8. Presenting an effective model based on wavelet approach for diagnosing diffuse liver disease using sonographic data
9. The object-oriented conceptual model for the application of cancer registry
10. Designing and evaluation a CDSS for predicting esophageal varices in patients with liver cirrhosis-based methods
11. Information architecture modeling for notifiable disease information system
12. Information architecture model of personal health record (PHR) for chronic diseases
13. Information architecture model of infertility information system in Iran
14. Developing a framework of national pharmacovigilance system for Iran
15. Design a model of population-based registry for acute coronary syndrome
16. Design a model of population-based registry of hearing disorders for Iran
17. Usability evaluation of operation room information system software
18. A study on implementation E-training of M.S degree of medical informatics curriculum
19. Comparative study of dental data collection system in selected countries and designing a model for Iran; 2007
20. Designing a model for auditing of the causes of clinical coding errors; 2011
21. A study of Telesurgery information management system in hospitals affiliated to medical universities of Tehran; 2011
22. Study of HIPAA phenomenon and the possibility of its implementation in Iran; 2009
23. A study of situation of anatomical pathology laboratory information management in hospitals affiliated to SBMU, 2009
24. A comparative study of hospital-based diabetes registry in selected countries and design a model for Iran; 2007
25. Review on mechanism of preparation of inpatient bills in the hospitals of Tehran; 2006
26. A survey on the structure of hospital information system in hospitals of Shiraz, 2003

LIST OF THESES: As ADVISOR

Title
1. Designing documentation error ontology of medical record; 2020
2. Design a population-based registry model of drug poisoning in Iran; 2021
3. The features and services of well-designed hospital information systems
4. Providing architecture model of national transplant network with database approach for Iran
5. Design and evaluation of mobile health application for women's self-management for prevention of breast, cervix and lymphatic glands cancer; 2020
6. Developing a data architecture model for rare diseases national information system;2018
7. Design of an information architecture model of medical tourism information system in Iran; 2018
8. Presenting an efficient model based on wavelet approach for diagnosing diffuse liver diseases using sonographic data; 2018
9. Presenting an evaluation model for crisis management information system application;2018
10. Review of tumor registry mechanism in the hospitals affiliated to medical universities of Tehran; 2005
11. A study of causes of health information deficiencies in Iran; 2011
12. Situational analysis of outpatient information management system of hospitals affiliated to medical universities of Tehran; 2011
13. A study of mortality reporting system in Iran; 2011
14. A study of HER system and assessment of its implementation in Iran; 2011
15. A study of situation of primary health care information system in primary health care centers;2010
16. A comparative study of automated archiving system of radiology images in hospitals affiliated to SBMU & TUMS;2007
17. A comparative study of organizational structure of medical record department in hospitals of selected countries and design a model for Iran; 2005
18. A survey of national health information infrastructure in USA and its impossibility in Iran; 2009
19. A study on health care information organizing in hospitals affiliated to medical universities of Tehran; 2004
20. A comparative study of structure and activities of medical records committee in educational hospitals affiliated to medical sciences universities in Tehran and developed countries and present a pattern for Iran; 2005

Key papers and presentation

Title
1- Ghaderzadeh M; Hosseini A [®] ; Asadi F; Aria M; Bashash D; Abolghasemi H; Hosseini, A& et al. “A fast and efficient CNN model for B-ALL diagnosis and its subtypes classification using peripheral blood smear images”, International Journal of Intelligent System, Wiley pub. 2021; pp: 1–21
2- Ghaderzadeh M; Hosseini A [®] ; Asadi F; Aria M; Bashash D; Abolghasemi H; Hosseini, A& et al Automated Detection Model in Classification of B-Lymphoblast Cells from Normal B-Lymphoid Precursors in Blood Smear Microscopic Images Based on the Majority Voting Technique “Scientific Programming, Hindawi pub. Vol. 2022,
3- Ghadrzadeh M; Hosseini A [®] ; Asadi F; “ Machin learning in detection and classification of leukemia using smear blood images: A systemic review; 2021 Journal: scientific programming, Hindawi pub.volume 2021,14 pages
4- Hosseini A [®] ; Afrash M; Rabie R; “esign and Implementation of a Guideline-Based Workflow Software System for Improving the Chemotherapy Process “Shiraz E-Med J. Published online Dec,2021.
5- Hosseini A ; Asadi F; Akramiyan L;” Development of knowledge-based clinical decision support system for multiple sclerosis diagnosis” Journal of Medicine and Life, vol.13, issue.4; Dec 2020, PP:612-623
6- Akramiyan L; Hosseini A [®] ; Asadi F; “Intelligent Computer Systems for Multiple Sclerosis Diagnosis: a Systematic Review of Reasoning Techniques and Methods”. Acta Inform Med; DEC 2018, 26(4): 258-264
7- Paydar S; Hosseini A [®] ; Emami H. “Functions and Outcomes of personal health record for patients with chronic diseases: A systemic review”; Journal of Prespective in health information management, spring 2021; issue of AHIMA’S
8- Haghiri H; Hosseini A [®] ; Rabie R. “Notifiable diseases surveillance system with a data architecture approach: A systemic review”. ACTA INFORM MED.Dec 2019, 27(4): PP 271-280
9- Fazeli M; Hosseini A [®] ; Moghaddasi H; “Application of ICT in effective crisis management: A systemic Review”. Journal of Emergency Management; Jun 2021
10- Almasi S; Hosseini A [®] ; Emami H; “Mobile health technology for hypertension management: A systemic Review” J of Acta Medica Iranica; vol:58, No: 6 (2020), PP:249-259

11- Hosseini A ; Rahimi R; “Conceptual Model of Hospital Cancer Registry Efficient Software”. Journal of Iranian Association of Medical Informatics, vol.1, 2014
12- Hosseini A ; Moghaddasi; Karimi M. “Telesurgery information management systems in university hospitals of Tehran”. Journal of Paramedical Sciences (JPS) Autumn 2013 Vol.4, No.4
13- Hosseini A ; Mastane Z; “Application of classification systems in nursing information system: An integrative Review of literatures”.
14- Hosseini A ; “Feasibility study of implementing of telesurgery in hospitals affiliated to Tehran universities of medical sciences”. Journal of Health information Management, vol .9, No.1, May 2012
15- Hosseini A ; Jahanbakhsh M; “Designing of minimum data sets of diabetes mellitus”. Journal of Health information Management,vol 3,No.1,2006
16- Hosseini A ; Hemati M; Moghaddasi H. “Situational Analysis of Anatomical Pathology Laboratory Information systems in Educational-Therapeutic Hospitals Affiliated to Shahid Beheshti University of Medical Sciences”. Journal of health Information Management,vol 8,No.2,jan 2011
17- Hosseini A ; Esmaeeli M;Moghaddasi H. “A study of HIPAA and feasibility study of its implementation in Iran Journal of health Informuration Management, 2012,8(6): 908
18- Hosseini A ; Esmaeeli M; Moghaddasi H. “Problems of health insurance systems and the need for implementation of reform approach”. Journal of health Adminstration, 2011, 14(44)
19- Hosseini A ; Moghaddasi H;Naghaviyan M. “ Data Elements Used in Dental Care Settings in Selected Countries and Designing a Model for Iran”. Health Information Management 2012; 8(6): 883
20- Asadi F; Hosseini A [®] ; Nasr N. “Primary health care information systems in health centers of Tehran,Iran”. Journal of Health information Management,vol 9,No.1,2012
21-Fazeli M; Moghaddasi H; Hosseini A ; “Designing an architectural model of crisis management information system for natural disaster in Iran”. Archives of advances in Biosciences, 2020: 11 (24)
22- Seyedi S; Moghaddasi H; Hosseini A ; Rabie R. “Infertility information system with an approach to data architecture: A systemic Review”. American journal of Biomedical science and research; Sep 2019
23- Ghaderi; Emami H; Hosseini A ; “Medical Tourism Websites with an Approach to Information Content: A Systematic Review “. Iran J Public Health, Vol. 49, No.6, Jun 2020, pp.1045-1052
24-Sabahi A; Asadi F; Hosseini A ; “Minimum Data Set for a Poisoning Registry: A Systematic Review Iranian Journal of Pharmaceutical Research (2021), 20 (2): 473-485
25- Abedini S; Asadi F; Hosseini A ; “Usability Evaluation of the Information System Used in Neuroscience

Research Centres". Journal of Clinical and Diagnostic Research. Oct 2021, Vol.15(10)
26 - Deraye S; Rabie R; Hosseini A ; "National information system for rare diseases with an approach to data architecture: A Systematic Review". Intractable & Rare Diseases Research Advance Publication,2018,7(3): 157-163
27- Razaee R; Asadi F; Hosseini A ; "Designing a National Hemodialysis Registry Model for Iran". Journal of Clinical and Diagnostic Research. Aug 2021, Vol.15(8)
28- Fathi; Moghaddasi H; Hosseini A ; Ebrahimi M; "Developing a Dashboard Software for the ICUs and Studying its Impact on Reducing the Ventilator- Associated Pneumonia". The Open Medical Informatics Journal,2018
29- Sheykhtaheri A; Moghaddasi H; Hosseini A ; "A New Model for the Organizational Structure of Medical Record Departments in Structure of Medical Record Departments in Hospitals in Iran". Journal of Perspectives in Health Information Management, AHIMA Pub.Vol.3;4, Spring 2006
30- Nikokalam M; Moghaddasi H; Hosseini A ; "Reasons for Deficiencies in Health Information Laws in Iran". Journal of Perspectives in Health Information Management, Spring 2014
31- Mastane Z; moghaddasi H; Hosseini A ; "National Transplant Network Information System of USA and England" Journal of Transplantation Technologies & Research, vol.7.Issue 1, May 2017
32- Moghaddasi H; Hosseini A ; Jahanbakhsh M. "An analytical study on burns in Isfahan province from 2009 to 2011 focusing on ICD-10". International Journal of Health system & Disaster Management, vol.2, Issue 2, June 2014
33- Moghaddasi H; Hosseini A ; Ebnhosseini Z. "E-Health: A Global Approach with Extensive Semantic Variation". Journal of Medical Systems, springer Pub. Nov 2011
34- Ganjali R; Moghaddasi H; Hosseini A ; "Infrastructures of the System for Developing Electronic Health Record". J.of Paramedical sciences,springer Pub,vol 2,No.2,2011
35- Moghaddasi H; Hosseini A ; Jahanbakhsh M. "Application of Data Mining in Health". Health Information Management 2012; 9(2): 304
36- Asadi F; Moghaddasi H; Hosseini A ; Masarat E. "Pharmacy information systems in Tehran university hospitals and their relationship with pharmaceutical companies". Journal of Paramedical Sciences (JPS) Winter 2011 Vol.2, No.1
37- Asadi F; Hosseini A ; Masarat E; "A survey on pharmacy information system in hospitals affiliated to SBMU". Journal of health Administration, 2010, 13(4)
38- Paydar S; Rabie R; Hosseini A ; "A study on radiology management information system in teaching hospitals affiliated to medical universities in Tehran Dec.2013

39- Asadi F; Moghaddasi H; **Hosseini A**; “Feasibility study of implementing national health information infrastructure in Iran”. Journal of health Information Management,vol 9,No.5,jan 2012

40- Asadi F; Moghaddasi H; **Hosseini A**; “A survey on Pharmacy Information System in hospitals Affiliated to SBMU; 2009”. Journal of Health Administration 2010; 13 (41)

41- Asadi F; Moghaddasi H; **Hosseini A**; “Situation Analysis of Outpatient Information Management Systems in Hospitals Affiliated with Universities of Medical Sciences, Tehran, Iran”. Health Information Management, 2012; 9(3): 439

Publications

Name of Association