

Curriculum Vitae

Personal details

Majid Hosseinzadeh



Date of Birth: 23/05/1971

Work Address: Department of Genetics and Molecular Biology,
School of Medicine, Isfahan University of Medical Sciences
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Education

2105-2019	PhD student in Medical Genetics, Medical Genetic Department, Medical School, Tehran University of medical Science, Tehran, Iran
2011-2012	Training programs: Cytomolecular Genetic Technique (Direct, Indirect FISH and Array CGH), KULeuven, UZ Leuven, Leuven, Belgium
2011-2012	Interuniversity Programs: Genetics in Medicine (Thompson and Thompson 7 th Edition), Interuniversity Course, Belgium Human Genetic Society, Belgium
2011-2012	Training course: Human Genetics and Disease, Interuniversity program Molecular Biology (IPMB), Vrije University of Brussels (VUB) Brussels, Belgium
2009-2010	Training Courses: Genetic Counseling, Rehabilitation College, Isfahan, Rehabilitation Organization, Isfahan, Iran
2001-2003	Several training course: in different topics of Project Management and Emergency Medicine, Isfahan University of Medical Sciences

1992- 2000 Medical Doctor Degree,

Publications

A) Book

Hoseinzadeh M., Handbook of Manuals and Procedures in Emergency Department. 2009, Book Publishing Department, Deputy for Research, Isfahan University of Medical Sciences, Isfahan, Iran

B) Papers

1. Mousavi SR, Sajjadi MS, Khosravian F, Feizbakhshan S, Salmanizadeh S, Esfahani ZT, et al. Dysregulation of RNA interference components in COVID-19 patients. *BMC Res Notes* 2021;14(1)
2. Nasiri J, Salehi M, **Hosseinzadeh M**, Zamani M, Fattahpour S, Aryani O, et al. Genetic analysis of MECP2 gene in Iranian patients with Rett syndrome. *Iran J Child Neurol* 2019;13(3):25-34.
3. **Hosseinzadeh M**, Aminoshareah P, Mohammadi M, Tavasoli AR, Zamani M. IL-7Ra association and genotype-dependent severity and response to IFN-B therapy in multiple sclerosis. *Acta Med Iran* 2019;57(4):208-215.
4. Sekiguchi F, Nasiri J, Sedghi M, Salehi M, **Hosseinzadeh M**, Okamoto N, Mizuguchi T, Nakashima M, Miyatake S, Takata A, Miyake N. A novel homozygous DPH1 mutation causes intellectual disability and unique craniofacial features. *Journal of Human Genetics*. 2018 Feb 6:1.
5. Baktashian M, Sedghi M, Salehi M, Zarean E, Baghersad A, Valian S, Saraian R, **Hoseinzade M**. Study of prenatal screening tests in pregnant women and comparison with fetal karyotype results. *The Iranian Journal of Obstetrics, Gynecology and Infertility*. 2018;20(11):22-8.
6. Nadeali Z, Salehi P, Derakhshan-Horeh M, Sadeghi E, Izaditabar A, Salehi M, Zamani M, **Hosseinzadeh M**. Estimating the Risk for Chromosomal Abnormalities and Heteromorphic Variants in Azoospermic and Severe Oligozoospermic Men. *Crescent Journal of Medical and Biological Sciences*. 2018 Apr 1;5(2):101-6.
7. Salehi P, Derakhshan-Horeh M, Nadeali Z, **Hosseinzadeh M**, Sadeghi E, Izadpanahi MH, Salehi M. Factors influencing sperm retrieval following testicular sperm extraction in nonobstructive azoospermia patients. *Clinical and experimental reproductive medicine*. 2017 Mar 1;44(1):22-7.
8. Sailani MR, Jahanbani F, Nasiri J, Behnam M, Salehi M, Sedghi M, **Hoseinzadeh M**, Takahashi S, Zia A, Gruber J, Lynch JL. Association of AHSG with alopecia and mental retardation (APMR) syndrome. *Human genetics*. 2017 Mar 1;136(3):287-96.

9. Demaerel W, **Hosseinzadeh M**, Nouri N, Sedghi M, Dimitriadou E, Salehi M, Abdali H, Memarzadeh M, Zamani M, Vermeesch JR. Reciprocal 22q11. 2 Deletion and Duplication in Siblings with Karyotypically Normal Parents. *Cytogenetic and genome research*. 2016 Apr 8;148(1):1-5.
10. Haghghat-Nia A, Keivani A, Nadeali Z, Fazel-Najafabadi E, **Hosseinzadeh M**, Salehi M. Mutation spectrum of autosomal recessive non-syndromic hearing loss in central Iran. *International journal of pediatric otorhinolaryngology*. 2015 Nov 1;79(11):1892-5.
11. Jafary F, Nadeali Z, Salehi M, **Hosseinzadeh M**, Sedghi M, Gholamrezapour T, Nouri N. Significant association between nonsyndromic cleft lip with or without cleft palate and IRF6rs2235371 polymorphism in Iranian familiar population. *Molecular Biology*. 2015 Nov 1;49(6):848-51.
12. Sedghi M, Abdali H, Memarzadeh M, Salehi M, Nouri N, **Hosseinzadeh M**, Nouri N. Identification of Proximal and Distal 22q11. 2 Microduplications among Patients with Cleft Lip and/or Palate: A Novel Inherited Atypical 0.6 Mb Duplication. *Genetics research international*. 2015 Nov 12;2015.
13. Keivani A, Haghghat-Nia A, Fazel-Najafabadi E, **Hosseinzadeh M**, Salehi M. A new compound heterozygous mutation in GJB2 causes nonsyndromic hearing loss in a consanguineous Iranian family. *International journal of pediatric otorhinolaryngology*. 2015 Apr 1;79(4):553-6.
14. Senniappan S, Sadeghizadeh A, Flanagan SE, Ellard S, Hashemipour M, **Hosseinzadeh M**, Salehi M, Hussain K. Genotype and phenotype correlations in Iranian patients with hyperinsulinaemic hypoglycaemia. *BMC research notes*. 2015 Dec;8(1):350.
15. Nouri N, Fazel-Najafabadi E, Salehi M, **Hosseinzadeh M**, Behnam M, Ghazavi MR, Sedghi M. Evaluation of multiplex ligation-dependent probe amplification analysis versus multiplex polymerase chain reaction assays in the detection of dystrophin gene rearrangements in an Iranian population subset. *Advanced biomedical research*. 2014;3.
16. Sedghi M, Behnam M, Fazel E, Salehi M, Ganji H, Meamar R, **Hosseinzadeh M**, Nouri N. Genotype-phenotype correlation of survival motor neuron and neuronal apoptosis inhibitory protein genes in spinal muscular atrophy patients from Iran. *Advanced biomedical research*. 2014;3.
17. Karamzade A, Mirzapour H, **Hoseinzade M**, Asadi S, Gholamrezapour T, Tavakoli P, Selebi M. α -globin gene mutations in Isfahan province, Iran. *Hemoglobin*. 2014 Jun 1;38(3):161-4
18. Memarzadeh M., **Hoseinzadeh M**. Amini M., Hoseinzadeh Gh. Introduction of a "screening and distribution emergency unit airport model" in disasters and crises. (2004) *Journal of Disasters Management*, 507 (Article in Persian)

19. **Hoseinzadeh M.**, Abdali H., Memarzadeh M., Sabet B. Waiting time and patient satisfaction in emergency department. (2003) *Emergency Management Journal*; 128 (Article in Persian).

Scientific and Executive Committees Membership

2022- now	Head of Amin Hospital, Isfahan University of Medical Sciences, Isfahan, Iran
2021- now	University Ethics Committee, Deputy for Research, Isfahan University of Medical Sciences, Isfahan, Iran
2021- now	Member of the Genetics and Molecular Biology Group, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran.
2019- now	Craniofacial and Cleft Research Center, Isfahan University of Medical Sciences, Isfahan, Iran
2008 – 2010	University Research Committee, Deputy for Research, Isfahan University of Medical Sciences, Isfahan, Iran
2008- 2010	University Business and Procedures Reform Committee, Deputy for Administration and Finance, Isfahan University of Medical Sciences, Isfahan, Iran
2007 – 2010	University Medical Equipment Committee, Deputy for Treatment and Deputy for Administration and Finance, Isfahan University of Medical Sciences, Isfahan, Iran
2007 – 2009	University Clinical Excellence Group, Deputy for Research, Isfahan University of Medical Sciences, Isfahan, Iran
2006 – 2009	University Employment Committees, Deputy for Administration and Finance, Isfahan University of Medical Sciences, Isfahan, Iran
1987 – now	Member of the Iranian Red Crescent Volunteer Population, Iranian Red Crescent Organization

Awards

- Selected as the candidate for top researcher among PhD medical genetic students at Tehran medical university(2018)
- Selected as the best General medical doctor of the Isfahan city, by the Isfahan University in Medicine(2011)
- Selected as the best medical doctor of the Isfahan city, by the health insurance organization of Iran (2010)
- Appreciated by university chancellor for being the best university hospital manager for managing Kashani University Hospital (2007).
- Appreciated by university chancellor for being the best university hospital manager for managing Kashani University Hospital (2008).
- Appreciated by university chancellor for being the best university hospital manager for managing Kashani University Hospital (2009).

- Appreciated by university chancellor for being the best helpful staff for the university (2005)
- Appreciated by university chancellor for being the best helpful staff for the university (2006)
- Appreciated by university chancellor for being the best helpful staff for the university (2007)
- Appreciated by university chancellor for being the best helpful staff for the university (2008)
- Appreciated by university chancellor for being the best helpful staff for the university (2009)
- Appreciated by Deputy for Treatment of Health and Medical Education Ministry for selected member of staff of medical universities (2009)
- Appreciated by Deputy for Administration and Finance of Health and Medical Education Ministry for selected member of staff of medical universities (2008)

Teaching Experiments

Teaching students of medical genetics, school of medicine, Tehran University of medical sciences, Tehran, Iran 2016-2018.

Teaching students of “health services managing, School of Management and Medical Informatics. Isfahan University of Medical Sciences, 2006-2009 (Part Time)

Poster and Presentation

Whole-exome sequencing approach revealed Carvajal syndrome as a differential diagnosis for Acrodermatitis enteropathica. S. KÜRY¹, M. Sedghi², T. Besnard¹, C. Bossard¹, M. Hosseinzadeh², C. Acquaviva³, E. Blouin⁴, S. Bézieau¹

- Moderate ovarian stimulation does not increase the incidence of human embryo chromosomal abnormality in vitro fertilization cycles (oral presentation in English-2011)

-A case report of X-linked inheritance pattern of cleft palate (oral presentation in English-2011)

-Chromosome segregation errors as a cause of DNA damage and structural chromosome aberrations in malignancy (oral presentation in English-2010)

- Waiting time and patient satisfaction in emergency department (oral presentation in Persian-2008)

- Preparation of a computer simulation model for waiting time in emergency (oral presentation in Persian-2008)

Research Projects

- Chromosome study in infertile zoosperm males refer to infertility ward of Alzahra university Hospital, Isfahan, Iran
- Chromosome analysis of the ALL patients in pediatric ward of AlZahra university Hospital, Isfahan, Iran
- Preparation of "Master Medical IT plan" for AlZahra University Hospital, Isfahan, Iran
- Preparation of a computer simulation model for waiting time in emergency department of Kashani University Hospital, Isfahan, Iran
- Reengineering of the service providing in emergency department using the prepared computer simulation model in Kashani University Hospital, Isfahan, Iran
- Evaluation of cost benefitness of the medical laboratory of the Kashani University Hospital, Isfahan, Iran, 2008.
- Preparation of RFP (request for proposal) for Master Information and Communication Technology Plan of Alzahra university hospital, (in collaboration with the Isfahan University of Technology-2004)
- Study ocular complications caused by solar eclipse view in Isfahan (1999)
- Automation and mechanization of X-ray storage by using PACS system in Kashani University Hospital
- Preparation of an "Electronic patient record" that can be connected to the e-government portal of Isfahan city

Workshop Attended

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| 2018 | Application of NGS based tests in diagnosis of genetic disorders, Held by the Third International Conference and Fifteenth National Genetic Congress, Tehran Iran. |
| 2016 | Application of NGS tests in diagnosis of genetic causes of frequent miscarriage, Held by Second International Conference and Fourteenth National Genetic Congress, Tehran Iran. |
| 2013 | Bioinformatics Workshop Held by Iranian molecular Medicine Network |
| 2012 | Symbiosis kickoff meeting, GHB Leuven, Catholic University of Leuven, Leuven, Belgium |
| 2011 | The Two-Phase mutation Model (TPM) for single cell haplotyping |

K.U.Leuven, Leuven, Belgium

- 2010 Sequencing Training Workshop. Alzahra University Hospital,
Isfahan University of Medical Sciences, Isfahan, Iran
- 2010 PCR Training Workshop, Alzahra University Hospital,
Isfahan University of Medical Sciences, Isfahan, Iran
- 2010 Scientific lecture writing workshop, Education Development Center
Isfahan University of Medical Sciences, Isfahan, Iran
- 2010 Research Methodology Workshop, Education Development Center
Isfahan University of Medical Sciences, Isfahan, Iran
- 2009 How to select a proper job candidate workshop,
Advanced Techniques
By: Excellent Board of selection
- 2008 How to select a proper job candidate workshop,
Writing Report of an Interview
By: Excellent Board of Selection
- 2007 How to select a proper job candidate workshop,
Psychology Basics
By: Excellent Board of Selection
- 2006 Re-engineering and Work Flow Management Workshop, January 2-4
2006, School of Hospital Management,
Isfahan University of Medical Sciences, Isfahan, Iran

Conferences attended

- 2018 The Third International Congress on Reproduction ISERB2018 Tehran, Iran.
- 2018 The Third International Conference and Fifteenth National Genetic Congress,
Tehran
- 2016 The Second International Congress on Reproduction ISERB2016 Tehran,
Iran.
- 2016 The Second International Conference and 14th National Genetic
Congress, Tehran
- 2014 First International Conference and 13th National Genetic Congress, Tehran

- 2012 12th Annual Meeting BeSHGthe Belgian Society of Human Genetics
- 2011 Symposium Met forum Leuven: Full Sequencing of the Human Genome
Total Genome Analysis, Katholic University of Leuven, Leuven, Belgium
- 2009 The First International Hospital Technologies Management Congress, October
5-7, 2009 , Tread Affair of the Health and Medical Education Ministry,
Tehran, Iran
- 2009 The First International Hospital Management Congress, July 11-13, 2009,
Sharif Industrial University and Iran University of Medical Sciences, Tehran,
Iran
- 2008 Roles in Emergency Departments, July 19-21 2008, Deputy for Treatment,
Isfahan University of Medical Sciences, Isfahan, Iran
- 2007 Disaster Management Conference, May 2, 2007, Education Development
Center
Isfahan University of Medical Sciences, Isfahan, Iran
- 2004 Fourth Regional Conference on eHEALTH, September 7-9, 2004, WHO,
EMRO in collaboration with the Ministry of Health and Medical Education,
Tehran, Iran
- 2000 Emergences Management, October 2-4 2000, ShahidBeheshti University of
Medical Sciences, Tehran, Iran

Work Experiments

- 2009– 2011 Genetic Counselor and Research Assistant, Medical Genetic lab,
AlZahra University Hospital,
Isfahan University of Medical Sciences, Isfahan, Iran
- 2007 – 2009 Research Fellow, Department of Genetics, Medical School,
Isfahan, Iran (part time)
- 2007 – 2009 Manager of Kashani University Hospital, Isfahan, Iran
- 2000-2007 Director of Hospital Management Committee,
AlZaahra University Hospital, Isfahan, Iran

Research expertise

Expert in genetic counseling.

Expert in genetics techniques like DNA extraction, conventional PCR, gel electrophoresis, MLPA, FISH, conventional karyotype, SNP- array, array- CGH, Haplarythmesis, and Preimplantation Genetic Diagnosis (PGD) by Using FISH technique.