

## CURRICULUM VITAE

Date of Revision: 06/22/2024

Name: Mahdi Akbarzadeh

### Education:

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<b>2010-2015   Ph.D.</b>	<b>Biostatistics   Statistical Genetics</b> <b>Thesis: Structural Equation Modeling in Genetic Association and linkage analysis within Family-based studies.</b> <b>Mentor: Professor Abbas Moghimbeigi</b>	<i>Hamadan University of Medical Sciences, Tehran, Iran</i>
<b>2007-2010   M.Sc.</b>	<b>Biostatistics   Statistical Genetics</b> <b>Thesis: Haseman-Elston Regression Model in Genetic Linkage Analysis</b> <b>Mentor: Professor Hamid Alavi Majd</b>	<i>Shahid Beheshti University of Medical Sciences, Tehran, Iran</i>
<b>2003-2007   B.Sc.</b>	<b>Mathematical Statistics,</b> <b>Thesis: SAS and R Programming in statistics</b> <b>Mentor: Professor Hossein Bevrani</b>	Tabriz University, Tabriz, Iran

### Career/Academic Appointments:

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<b>2017-Present</b>	<b>Faculty Member   professor assistant</b> <b>Main Projects:</b> <ul style="list-style-type: none"><li>• Heritability of complex traits</li><li>• GWAS data analysis</li><li>• Mendelian Randomization</li><li>• Population genetics</li><li>• Genomic Prediction</li><li>• Run-Of-Homozygosity (ROH)</li><li>• R/shell/Python programming for big data</li></ul>	<i>Shahid Beheshti University of Medical Sciences, Tehran, Iran</i>
<b>2015-2017</b>	<b>Postdoctoral Research Fellow  </b> <b>Principal Investigator: Maryam Daneshpour, M.D., Ph.D.</b> <b>Main Projects:</b> <ul style="list-style-type: none"><li>• <b>R programming in genomic data handling</b></li><li>• Shell scripts for genomics</li><li>• Python programming in big data analysis</li><li>• Big data analysis, Genomic base</li><li>• Heritability of complex traits (Obesity, Lipid serum levels, Diabetes, Blood pressure)</li><li>• GWAS data analysis</li><li>• Mendelian Randomization</li></ul>	<i>Shahid Beheshti University of Medical Sciences, Tehran, Iran</i>

### Professional Honors & Recognition:

American Society of Human Genetics (ASHG)'s Resource Limited Country Award – 2023

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European Society of Human Genetics (ESHG) Scholarships, England, Surrey University, 2022

### **Lectures, Courses:**

***Biostatistical Methods in Medicine (Medical Students, Masters, and Ph.Ds.), Shahid Beheshti University of Medical Sciences.***

***Mendelian Randomization workshop, Shahid Beheshti University of Medical Sciences, Research Institute for Endocrine Sciences, Summer: 2023***

***Programing with R (Elementary and advanced). 15-16 November, 2017. National Institute of Genetic Engineering and Biotechnology.***

***Programing with R and its application in genome-wide association studies (GWAS). 4-5 December, 2019, Pasteur institute of Iran.***

***Elementary Programing with R and its application in genome-wide association studies (GWAS).***

*8-9 January 2020, Research Institute for Endocrine Sciences*

***Elementary Programing with R and its application in genome-wide association studies (GWAS).***

*23-24 June, 2020, Research Institute for Endocrine Sciences.*

***Application of Next Generation Sequencing in Clinical Diagnosis of inherited disorders. 4-5 December, 2019. Pasteur institute of Iran.***

***Scientific writing, 17-19 February, 2020, Research Institute for Endocrine Sciences.***

### **Congress Presentation:**

- 1 10<sup>th</sup> Iranian Statistics Conference, Iranian Statistical Society, **Mahdi Akbarzadeh**, Hamid alavi Majd, Maryam Sadat Daneshpour, Yadolah Mehrabi. Haeman-Elston Regression Methods in Genetic Linkage Analysis.
- 2 12<sup>th</sup> Iranian Statistics Conference, Iranian Statistical Society, Hamid alavi Majd, Parisa Ahmadi, **Mahdi Akbarzadeh**, Norosadat Kariman. Application of Random Forest Method in Predicting Low Birth Weight Comparing with Logistic Regression Model.
- 3 13<sup>th</sup> Iranian Statistics Conference, Iranian Statistical Society, **Mahdi Akbarzadeh**, Abbas Moghimbeigi, Nathan Morris, Maryam S Daneshpour, Hossein Mahjub, Ali Reza Soltanian. Structural Equation Model In General Pedigree Data Analysis.

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- 4 5th Middle East Cardiovascular Congress, Kish Island, 23-25 February, 2011. Akbar Pejhan, **Mahdi Akbarzadeh**, Daniel Osmond. Comparison the effects of two kinds of rennin angiotensin system inhibitors on blood pressure and heart rate in rate.

## Professional service

### Statistical Reviewer for Journals:

*Journal of Translational Medicine*

*Journal of Endocrinological Investigation*

*Gene Journal*

*BMC Public Health [English].*

*International Journal of Endocrinology and Metabolism [English]*

*Annals Of Military and Health Sciences Research [English]*

*Journal Of Archives in Military Medicine [English]*

*Iranian Journal of Orthodontics [English]*

*International Journal of Endocrinology and Metabolism [Persian]*

*Annals Of Military and Health Sciences Research [Persian]*

*Journal of Sabzevar University of Medical Sciences [Persian]*

### Membership:

*American Society of Human Genetics (ASHG)*

*Iranian Statistical Society (ISS)*

*Iranian Society of Biostatistics (ISB)*

*Iran Obesity Society (IOS)*

### Bibliography:

1. **Mahdi Akbarzadeh**, Farshad Teymoori, Parisa Riahi, Hossein Farhadnejad, Hamid Ahmadi-rad, Asiyeh Sadat Zahedi, Firoozeh Hosseini-Esfahani, Maryam Zarkesh, Mohammadreza Vafa, Parvin Mirmiran, Maryam S Daneshpour (2023). Evidence of familial resemblance and family-based heritability of food intakes derived from a longitudinal cohort study, **Scientific Reports**
2. **Mahdi Akbarzadeh**, Nadia Alipour, Hamed Moheimani, Asieh Sadat Zahedi, Firoozeh Hosseini-Esfahani, Hossein Lanjanian, Fereidoun Azizi, Maryam S Daneshpour, (2023) Evaluating machine learning-powered classification algorithms which utilize variants in the GCKR gene to predict metabolic syndrome: Tehran Cardio-metabolic Genetics Study, <https://doi.org/10.1186/s12967-022-03349-z>, **Journal of Translational Medicine**.
3. Mina Jahangiri\*, Anoshirvan Kazemnejad, Keith S Goldfeld, Maryam S Daneshpour, Shayan Mostafaei, Davood Khalili, Mohammad Reza Moghadas, **Mahdi Akbarzadeh\*** (2023). A wide range of missing

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imputation approaches in longitudinal data: A simulation study and real data analysis, **BMC Medical Research Methodology**

4. **Mahdi Akbarzadeh**, Danial Habibi, Goodarz Kolifarhood, Mohammad Bidkhorji, Fereidoun Azizi (2023). Tehran University Medical Journal, Mendelian randomization, a method for inferring causal relationships in observational studies and an alternative to clinical trial studies (in Persian). **Koomesh**, 80(11).
5. Asiyeh Sadat Zahedi, Maryam Sadat Daneshpour, **Mahdi Akbarzadeh**, Mehdi Hedayati, Fereidoun Azizi, Maryam Zarkesh, (2023). Association of baseline and changes in adiponectin, homocysteine, high-sensitivity C-reactive protein, interleukin-6, and interleukin-10 levels and metabolic syndrome incidence: Tehran lipid and glucose study, **Heliyon**.
6. Farshad Teymoori, **Mahdi Akbarzadeh**, Hossein Farhadnejad, Parisa Riahi, Ebrahim Mokhtari, Hamid Ahmadirad, Asiyeh Sadat Zahedi, Firoozeh Hosseini-Esfahani, Maryam Zarkesh, Maryam S Daneshpour, Parvin Mirmiran, Mohammadreza Vafa (2023). Familial resemblance and family-based heritability of nutrients intake in Iranian population: Tehran cardiometabolic genetic study, **BMC Public Health**
7. Asiyeh Sadat Zahedi, **Mahdi Akbarzadeh**, Bahareh Sedaghati-Khayat, Atefeh Seyedhamzehzadeh, Maryam S Daneshpour, (2023). GCKR common functional polymorphisms are associated with metabolic syndrome and its components: a 10-year retrospective cohort study in Iranian adults, **Diabetology & Metabolic Syndrome**
8. Nadia Alipour, Anoshirvan Kazemnejad, **Mahdi Akbarzadeh**, Farzad Eskandari, Asiyeh Sadat Zahedi, Maryam S Daneshpour, (2023). Regularized machine learning models for prediction of metabolic syndrome using GCKR, APOA5, and BUD13 gene variants: Tehran cardiometabolic genetic study. **Cell Journal (Yakhteh)**
9. Maryam S. Daneshpour, **Mahdi Akbarzadeh**, Hossein Lanjanian, Bahar Sedaghati-khayat, Kamran Guity, Sajede Masjoudi, Asiyeh Sadat Zahedi, Maryam Moazzam-Jazi, Leila Najd Hassan Bonab, Bita Shalbafan, Sara Asgarian, Goodarz Koli Farhood, Niloofar Javanrooh, Maryam Zarkesh, Parisa Riahi, Mohammad Reza Moghaddas, Parvaneh Arbab Dehkordi, Azar Delbarpour Ahmadi, Firoozeh Hosseini, Sara Jalali Farahani, Farzad Hadaegh, Parvin Mirmiran, Fahimeh Ramezani Tehrani, Arash Ghanbarian, Mohammad Sadegh Fallah Mahboob Pasand, Parisa Amiri, Majid Valizadeh, Farhad Hosseipanah, Maryam Tohidi, Asghar Ghasemi, Azita Zadeh-Vakili, Mohammad Piryaeei, Shahram Alamdari, Davood Khalili, Amirabbas Momenan, Maryam Barzin, Sirous Zeinali, Mehdi Hedayati, Fereidoun Azizi\* (2023). Cohort profile update: Tehran cardiometabolic genetic study. **European Journal of Epidemiology**, <https://doi.org/10.1007/s10654-023-01008-1>.
10. Danial Habibi, Maryam S Daneshpour, Sara Asgarian, Karim Kohansal, Farzad Hadaegh, Marjan Mansourian & **Mahdi Akbarzadeh\***, Effect of C-reactive protein on the risk of Heart failure: a

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mendelian randomization study, **BMC Cardiovascular Disorders**,  
<https://doi.org/10.1186/s12872-023-03149-3>, 23, Article number: 112 (2023)

11. Lajevardi, S. A.; Kargari, Mehrdad; Daneshpour, Maryam S.; **Akbarzadeh, Mahdi**. Hypertension Risk Prediction Based on SNPs by Machine Learning Models, **Current Bioinformatics**, <https://doi.org/10.2174/1574893617666221011093322>, Volume 18, Number 1, 2023, pp. 55-62(8)
12. Masoumeh Nezhadali, Seyed Alireza Mesbah-Namin, Mehdi Hedayati, **Mahdi Akbarzadeh**, Leila Najd Hassan Bonab, Maryam S Daneshpour, Serum adiponectin and cortisol levels are not affected by studied ADIPOQ gene variants: Tehran lipid and glucose study, **BMC Endocrine Disorders**, <https://doi.org/10.1186/s12902-022-01020-8>, 22 (1), 1-10
13. Amir Hossein Ghanooni, Azita Zadeh-Vakili, Boshra Rezvankhah, Somayeh Jafari Nodushan, **Mahdi Akbarzadeh**, Atieh Amouzegar, Maryam S. Daneshpour, Davood Khalili, Yadollah Mehrabi, Seyed Alireza Ebadi, and Fereidoun Azizi\* (2023). Longitudinal Associations Between TPO Gene Variants and Thyroid Peroxidase Antibody Seroconversion in a Population-Based Study: Tehran Thyroid Study, **Genetic Testing and Molecular Biomarkers**, . 27(3),<https://doi.org/10.1089/gtmb.2022.0122>.
14. Association of miR-34a and miR-143 levels with PPAR $\gamma$  gene expression in adipose tissues of non-diabetic adults, Maryam Zarkesh, Kimia Tabaei, **Mahdi Akbarzadeh**, Afsoon Daneshafrooz, Azita Zadeh-Vakili, **Journal of Physiological Anthropology**, <https://doi.org/10.1186/s40101-022-00286-0>
15. Sex, age, and ethnic dependency of lipoprotein variants as the risk factors of ischemic heart disease: a detailed study on the different age-classes and genders in Tehran Cardiometabolic Genetic Study (TCGS), Hossein Lanjanian, Leila Najd Hassan Bonab, **Mahdi Akbarzadeh**, Maryam Moazzam-Jazi, Asiyeh Sadat Zahedi, Sajedeh Masjouidi, Maryam S Daneshpour, <https://doi.org/10.1186/s13293-022-00413-7>
16. Resemblance of nutrient intakes in three generations of parent-offspring pairs: Tehran lipid and Glucose Study, Parvin Mirmiran, Asiyeh Sadat Zahedi, Glareh Koochakpour, Firoozeh Hosseini-Esfahani, **Mahdi Akbarzadeh**, Maryam S Daneshpour, Fereidoun Azizi, <https://doi.org/10.1371/journal.pone.0266941>

[Type here]

17. Being satisfied and serving communities as outcomes of servant leadership in the academic context: Policies based on a multi-level structural equation model, Majid Ghasemy, **Mahdi Akbarzadeh**, James Eric Gaskin, <https://doi.org/10.1007/s12564-021-09702-z>
18. The resemblance of dietary intakes in three generations of parent-offspring pairs: Tehran lipid and glucose study, Firoozeh Hosseini-Esfahani, Asie S Zahedi, **Mahdi Akbarzadeh**, Atefeh Seyedhamzehzadeh, Maryam S Daneshpour, Parvin Mirmiran, Fereidoun Azizi, <https://doi.org/10.1016/j.appet.2021.105794>
19. The mediating role of Courageous coping in the relations between spirituality and social support with resilience among adolescents with hemophilia, Ali Mohammad Parviniannasab, Mahnaz Rakhshan, Marzieh Momennasab, Mitra Soltanian, Masoume Rambod, **Mahdi Akbarzadeh**, <https://doi.org/10.1177%2F13591045211055081>
20. M Moazzam-Jazi, AS Zahedi, **M Akbarzadeh**, F Azizi, MS Daneshpour, Diverse effect of MC4R risk alleles on obesity-related traits over a lifetime: Evidence from a well-designed cohort study, Gene 807, 145950
21. S Hosseinpour-Niazi, B Bakhshi, AS Zahedi, **M Akbarzadeh**, TCF7L2 polymorphisms, nut consumption, and the risk of metabolic syndrome: a prospective population based study, Nutrition & Metabolism 18 (1), 1-11
22. AS Zahedi, **M Akbarzadeh**, B Sedaghati-Khayat, A Seyedhamzehzadeh, GCKR common functional polymorphisms are associated with metabolic syndrome and its components: a 10-year retrospective cohort study in Iranian adults, Diabetology & Metabolic Syndrome 13 (1), 1-10
23. M Khatiban, Z Khalili, **M Akbarzadeh**, M Moghadarikoosha, M Seyedtabib, Factors associated with chemotherapy induced nausea in cancer patients: A case-control study Nephro-Urology Monthly 13 (3)
24. G Kolifarhood, S Sabour, **M Akbarzadeh**, B Sedaghati-Khayat, K Guity, Genome-wide association study on blood pressure traits in the Iranian population suggests ZBED9 as a new locus for hypertension, Scientific reports 11 (1), 1-13

[Type here]

27. **M Akbarzadeh**, P Riahi, A Ramezankhani, SR Dehkordi, MA Roudbar, Parental transmission plays the major role in the high aggregation of type 2 Diabetes in Iranian families: Tehran Lipid and Glucose Study (TLGS), Canadian Journal of Diabetes
28. M Ghasemy, **M Akbarzadeh**, JE Gaskin, Being satisfied and serving communities as outcomes of servant leadership in the academic context: policies based on a multi-level structural equation model,
29. Asia Pacific Education Review, 1-18
30. G Kolifarhood, MS Daneshpour, AS Zahedi, N Khosravi, **M Akbarzadeh\***, Familial genetic and environmental risk profile and high blood pressure event: A prospective cohort of cardio-metabolic and genetic study, Blood Pressure, 1-9
31. H Lanjanian, M Moazzam-Jazi, M Hedayati, **M Akbarzadeh**, K Guity, SARS-CoV-2 infection susceptibility influenced by ACE2 genetic polymorphisms: insights from Tehran Cardio-Metabolic Genetic Study, Scientific reports 11 (1), 1-13
32. NJ Givi, LNH Bonab, M Barzin, A Zahedi, B Sedaghati-Khayat, **M Akbarzadeh**, The joint effect of PPARG upstream genetic variation in association with long-term persistent obesity: Tehran cardio-metabolic genetic study (TCGS), Eating and Weight Disorders-Studies on Anorexia, Bulimia and Obesity, 1-8
33. Zohreh Mousavizadeh, Firoozeh Hosseini-Esfahani, Amir Javadi, Maryam S Daneshpour, **Mahdi Akbarzadeh**, Maryam Javadi, Parvin Mirmrian, Fereidoun Azizi, The interaction between dietary patterns and melanocortin-4 receptor polymorphisms in relation to obesity phenotypes. Obesity Research & Clinical Practice. 2020. ,doi:10.1016/j.orcp.2020.04.002
34. Ali Mohammad Parviniannasab, Mahnaz Rakhshan, Marzieh Momennasab, Mitra Soltanian, Masoume Rambod, **Mahdi Akbarzadeh**, Haemophiliac adolescents' perspectives of resilience: A qualitative study based on the resilience in illness model. Clinical Child Psychology and Psychiatry. 2019. ,doi:10.1177/1359104519890905
35. Masoumeh Sadeghi, Maryam S Daneshpour, Soheila Khodakarim, Amir Abbas Momenan, **Mahdi Akbarzadeh**, Hamid Soori, Impact of Secondhand Smoke Exposure in Former Smokers on Their

[Type here]

Subsequent Risk of Coronary Heart Disease: Evidence From the Population-Based Cohort of the Tehran Lipid and Glucose Study. *Epidemiology and Health*. 2020. ,doi:10.4178/epih.e2020009

36. Tayebeh Rakhshani, Zahra Sadat Asadi, **Mahdi Akbarzadeh**, Health Promoting Behaviors (HPBs) and the Metabolic Indicators of Red Crescent Society Employees in Iran. *Iranian Red Crescent Medical Journal*. 2020. 22(2),doi:10.5812/ircmj.97942
  
37. Goodarz Kolifarhood, Maryam Daneshpour, Farzad Hadaegh, Siamak Sabour, Hossein Mozafar Saadati, Ali Akbar Haghdoost, **Mahdi Akbarzadeh**, Bahareh Sedaghati-Khayat, Nasim Khosravi, Heritability of blood pressure traits in diverse populations: a systematic review and meta-analysis. *Journal of human hypertension*. 2019.
  
38. **Mahdi Akbarzadeh**, Abbas Moghimbeigi, Nathan Morris, Maryam S Daneshpour, Hossein Mahjub, Ali Reza Soltanian, A Bayesian structural equation model in general pedigree data analysis. *Statistical Analysis and Data Mining: The ASA Data Science Journal*. 2019. ,doi:10.1002/sam.11434
  
39. Goodarz Kolifarhood, Maryam S Daneshpour, Bahareh S Khayat, Hossein M Saadati, Kamran Guity, Nasim Khosravi, **Mahdi Akbarzadeh**, Siamak Sabour, Generality of genomic findings on blood pressure traits and its usefulness in precision medicine in diverse populations: A systematic review. *Clinical genetics*. 2019. ,doi:10.1111/cge.13527
  
40. Maryam Zarkesh, Azita Zadeh-Vakili, **Mahdi Akbarzadeh**, Zahra Nozhat, S Ahmad Fanaei, Mehdi Hedayati, Fereidoun Azizi, BRAF V600E mutation and microRNAs are helpful in distinguishing papillary thyroid malignant lesions: Tissues and fine needle aspiration cytology cases. *Life sciences*. 2019. 223,doi:10.1016/j.lfs.2019.03.034
  
41. Nima Montazeri-Najafabady, Mohammad Hossein Dabbaghmanesh, Rajee Mohammadian Amiri, **Mahdi Akbarzadeh**, Association of Vitamin D Receptor BsmI Gene Polymorphism with BMD Z-Score in Iranian Children and Adolescents (9-18 Years Old). *International journal of endocrinology and metabolism*. 2019. 17(2),doi:10.5812/ijem.82677



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42. Babak Moeini, Hamid Abasi, Marzieh Otagara, **Mahdi Akbarzadeh**, Communication Skills and Its Related Factors Among Medical Staff. Hormozgan Medical Journal. 2019. 23(1),doi:10.5812/hmj.86254
43. Vahid Mollabashi, Mohammad Karim Soltani, Naeime Moslemian, Marzieh Akhlaghian, **Mahdi Akbarzadeh**, Hesamoddin Samavat, Masoud Abolvardi, Comparison of Bolton ratio in normal occlusion and different malocclusion groups in Iranian population. International orthodontics. 2019. 17(1),doi:10.1016/j.ortho.2019.01.005
44. Shahin Kasraei, Ebrahim Yarmohamadi, Pegah Ranjbaran Jahromi, **Mahdi Akbarzadeh**, Effect of 940nm Diode Laser Irradiation on Microtensile Bond Strength of an Etch and Rinse Adhesive (Single Bond 2) to Dentin. Journal of Dentistry. 2019. 20(1),doi:10.30476/DENTJODS.2019.44560
45. Mohamad-Mehdi Kooshyar, Anoosheh Maruzi, Azar Fani Pakdel, Sepideh Elyasi, Ali Taghizadeh-Kermani, **Mahdi Akbarzadeh**, Seyed Amir Aledavood, Adherence to a standardized chemotherapy order form for colorectal cancer in a referral teaching hospital, Mashhad, Iran. Iranian journal of pharmaceutical research: IJPR. 2019. 18(1).
46. Maryam Zarkesh, Azita Zadeh-Vakili, **Mahdi Akbarzadeh**, S Ahmad Fanaei, Mehdi Hedayati, Fereidoun Azizi, The role of matrix metalloproteinase-9 as a prognostic biomarker in papillary thyroid cancer. BMC cancer. 2018. 18(1), doi:10.1186/s12885-018-5112-0
47. Loghman R Sofi, R Fekrazad, **M Akbarzadeh**, M Maleki, Effect of Er: YAG laser, sandblast and several types of universal bonding on shear bond strength of zirconia ceramic to composite resin. Dental Practice. 2018. 19(10).
48. Maryam S Daneshpour, Mehdi Hedayati, Bahareh Sedaghati-Khayat, Kamran Guity, Maryam Zarkesh, **Mahdi Akbarzadeh**, Niloofar Javanrooh, Azita Zadeh-Vakili, Fereidoun Azizi, Genetic identification for non-communicable disease: Findings from 20 years of the Tehran Lipid and

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Glucose Study. International journal of endocrinology and metabolism. 2018. 16(4),doi: 10.5812/ijem.84744

49. Ebrahim Yarmohamadi, Pegah R Jahromi, **Mahdi Akbarzadeh**, Comparison of Cuspal Deflection and Microleakage of Premolar Teeth restored with Three Restorative Materials.. The journal of contemporary dental practice. 2018. 19(6),doi:10.5005/jp-journals-10024-2320
50. Tahereh Rahimi, Mohammad Hossein Baghianimoghadam, **Mahdi Akbarzadeh**, Ali Mehri, Jalal Nikokaran, Investigating the Role of Attitudes, Subjective Norms and Perceived Behavioral Control to Predict Milk Consumption among Students of Yazd University of Medical Sciences, 2014. Toloee behdasht. 2018. 16(6).
51. Bahareh Sedaghati-khayat, Maryam Barzin, **Mahdi Akbarzadeh**, Kamran Guity, Mohammad-Sadegh Fallah, Hoda Pourhassan, Fereidoun Azizi, Maryam S Daneshpour, Lack of association between FTO gene variations and metabolic healthy obese (MHO) phenotype: Tehran Cardio-metabolic Genetic Study (TCGS). Eating and Weight Disorders-Studies on Anorexia, Bulimia and Obesity. 2018. ,doi: 10.1007/s40519-018-0493-2
52. Abbas Shokri, Leila Ramezani, Mohsen Bidgoli, **Mahdi Akbarzadeh**, Karim Ghazikhanlu-Sani, Hamed Fallahi-Sichani, Effect of field-of-view size on gray values derived from cone-beam computed tomography compared with the Hounsfield unit values from multidetector computed tomography scans. Imaging science in dentistry. 2018. 48(1),doi:10.5624/isd.2018.48.1.31
53. Majid Mahmoudzadeh, **Mahdi Akbarzadeh**, Somayeh Karami, Panel Perception of Profile Attractiveness after Prediction of Orthodontic Treatment (EXT vs Non EXT). Journal of Research in Medical and Dental Science. 2018. 6(1).
54. Majid Mahmoudzadeh, Loghman Rezaei-Soufi, Nasrin Farhadian, Seyed Farzad Jamalian, **Mahdi Akbarzadeh**, Mohammadali Momeni, Masome Basamtabar, Effect of CO2 laser and fluoride varnish application on microhardness of enamel surface around orthodontic brackets. Journal of lasers in medical sciences. 2018. 9(1),doi: 10.15171/jlms.2018.10

[Type here]

55. Fatemeh Homaei Shandiz, Kamran Ghaffarzadegan, Saeed Jahani Fariman, **Mahdi Akbarzadeh**, Sepideh Elyasi, Amir Hooshang Mohammadpour, Evaluation of serum levels of 8-oxo-2'-deoxyguanosine as a prognostic factor in nonmetastatic breast cancer patients. *Breast Cancer Management*. 2017. 6(2),doi:10.2217/bmt-2017-0009
56. MS Daneshpour, B Sedaghati-Khayat, M Barzin, **M Akbarzadeh**, K Guity, F Azizi, MS Fallah, H Pourhassan, Lack of association between FTO gene variations and metabolic healthy obese (MHO) phenotype: Tehran Cardio-Metabolic Genetic Study (TCGS).. *Journal of Obesity & Weight Loss Therapy*. 2017. 7(5),doi:10.4172/2165-7904.1000354
57. **Mahdi Akbarzadeh**, Abbas Moghimbeigi, Nathan Morris, Maryam S Daneshpour, Ali Reza Soltanian, Hossein Mahjub, Association of gene variants with longitudinal changes in high density lipoprotein cholesterol among Tehranian people: A latent growth curve model. *Bioscience Biotechnology Research Communications*. 2017. 10(1).
58. Iraj Mohammadfam, Ahmad Soltanzadeh, Abbas Moghimbeigi, **Mahdi Akbarzadeh**, Confirmatory factor analysis of occupational injuries: presenting an analytical tool. *Trauma monthly*. 2017. 22(2).
59. Iraj Mohammadfam, Ahmad Soltanzadeh, Abbas Moghimbeigi, **Mehdi Akbarzadeh**, Modeling of individual and organizational factors affecting traumatic occupational injuries based on the structural equation modeling: a case study in large construction industries. *Archives of trauma research*. 2016. 5(3),doi:0.5812/atr.33595
60. Ahmad Soltanzadeh, Iraj Mohammadfam, Abbas Moghimbeigi, **Mahdi Akbarzadeh**, Reza Ghiasvand, Key factors contributing to accident severity rate in construction industry in Iran: a regression modelling approach, *Archives of Industrial Hygiene and Toxicology*. 2016. 67(1), doi:10.1515/aiht-2016-67-2687
61. Rashid Heidarimoghadam Tahereh Gholami, Ahmad HeidariPahlavian, **Mahdi Akbarzadeh**, Majid Motamedzade, Effects of Nursing Burnout Syndrome on Musculoskeletal Disorders. *International Journal of Musculoskeletal Pain Prevention*. 2016. 1(1).

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62. Majid Motamedzade & Rashid Heidari Moghaddam Tahereh Gholami, Ahmad Heidari Pahlavian, **Mahdi Akbarzadeh**, The role of burnout syndrome as a mediator for the effect of psychosocial risk factors on the intensity of musculoskeletal disorders : a structural equation modeling approach. *International journal of occupational safety and ergonomics*. 2016. 22(2), doi:10.1080/10803548.2016.1147876
63. Soltanzadeh Ahmad, Mohammadfam Iraj, Moghimbeigi Abbas, **Akbarzadeh Mahdi**, Analysis of occupational accidents induced human injuries: A case study in construction industries and sites. *Journal of Civil Engineering and Construction Technology*. 2016. 7(1),doi:10.5897/JCECT2015.0379
64. **Mahdi Akbarzadeh**, Abbas Moghimbeigi, Hossein Mahjub, Ali Reza Soltanian, Maryam Daneshpour, Nathan Morris, Trajectories of change in obesity among tehranian families: multilevel latent growth curve modeling. *International journal of family medicine*. 2016. ,doi:10.1155/2016/2639624
65. Tahereh Gholami, Ahmad Heidari Pahlavian, **Mehdi Akbarzadeh**, Majid Motamedzade, Rashid Heidari Moghadam, A structural equation modeling study of job stress and musculoskeletal disorders. *Iranian Journal of Ergonomics*. 2015. 3(3).
66. Mohammad Zandi, Arash Dehghan, Khaled Ghadermazi, Hamid Malekzadeh, **Mahdi Akbarzadeh**, Perioperative discontinuation of intravenous bisphosphonate therapy reduces the incidence and severity of bisphosphonate-related osteonecrosis of the jaw: A randomized, controlled, prospective experimental study in rats. *Journal of Cranio-Maxillofacial Surgery*. 2015. 43(9),doi:10.1016/j.jcms.2015.08.008
67. A Heidari Pahlavian, T Gholami, R Heidari Moghaddam, **M Akbarzadeh**, M Motamedzadeh, Demand–Control Model and its Relationship with Burnout Syndrome in Nurses. *Journal of Fasa University of Medical Sciences/Majallah-i Danishgah-i Ulum-i Pizishki-i Fasa*. 2015. 5(1).

[Type here]

68. ETEMADI, **M AKBARZADEH**, R JAZAYERI, Evaluating the role of mother conflict resolution styles, maternal marital conflict and attachment style daughter with adolescent girls conflict with mother. JOURNAL OF PSYCHOLOGICAL MODELS AND METHODS. 2015. 6.
69. Ahmad Heidari Pahlavian, Tahereh Gholami, Rashid Heidari Moghaddam, **Mehdi Akbarzadeh**, Majid Motamedzadeh, Demand–Control Model and its Relationship with Burnout Syndrome in Nurses. Journal of Fasa University of Medical Sciences. 2015. 2(1).
70. **Mahdi Akbarzadeh**, Fatemeh Shobeyri, Hossein Mahjub, Reyhaneh Ebrahimi, Investigating the Factors Influencing the Duration of Beginning Delivery to Hospital Discharge using Cox Regression Model. Iranian Journal of Obstetrics Gynecology and Infertility. 2014. 17(105).
71. M Ordooei, **M Akbarzadeh**, R Soleimanizad, F Shamsi, R Masoumi Dehshiri, The effect of iron supplement on children with euthyroid goiter: a randomized placebo-controlled clinical trial. Iranian journal of pediatric hematology and oncology. 2014. 4(3).
72. MK Soltani, A Miresmaeili, B Javanshir, **M AkbarZadeh**, Cephalometric Comparison of a Modified Bionator (Farmand Appliance) and Twin-Block Appliance in Treatment of Skeletal Class II Malocclusion. Iranian Journal of Orthodontics. 2014. 9(1).
73. Omid Giahi, Ebrahim Darvishi, **M Akbarzadeh**, Assessment of the relationship of the risk of subjective work load to musculoskeletal disorders in bank staff in Kurdistan Province.. Scientific Journal of Kurdistan University of Medical Sciences. 2014. 19(4).
74. ABADI SOMAYYEH SALEH, SHAHRI MEHDI GOLAFROOZ, SOMAYYEH NASROLLAHI, **MEHDI AKBARZADEH**, NASRIN MIRCHOULI, Clinical education problems and ways of enhancing its quality from the perspective of clinical instructors and students of nursing and midwifery at Sabzevar University Medical JOURNAL OF SABZEVAR UNIVERSITY OF MEDICAL SCIENCES. 2014. 20(4).

[Type here]

75. I Mohammadfam, AHMAD SOLTANZADEH, A Moghimbeigi, **M Akbarzadeh**, Factors affecting occupational accidents in the construction industry (2009-2013). JOURNAL OF OCCUPATIONAL HEALTH & EPIDEMIOLOGY. 2014. 3(2).
76. Ahmad Soltanzadeh, Iraj Mohammadfam, BEIGI ABBAS MOGHIM, **Mehdi Akbarzadeh**, Studying disabling occupational accidents in the construction industry during two years. Journal of Occupational Hygiene Engineering. 2014. 1(2).
77. Mazyar Arassi, Heidar Mohammadi, Majid Motamedzade, Mojtaba Kamalinia, Davoud Mardani, BEIRAGANI MISAGH MOHAMMADI, Mehdi Shekari, **Mehdi Akbarzadeh**, The association between psychosocial factors and occupational accidents among Iranian drilling workers. JOURNAL OF ERGONOMICS. 2014. 2(1).
78. H Mortazavi, F Babaeijandaghi, **M Akbarzadeh**, N Rezaei, AA Amirzargar, M Daneshpazhooh, A Jalali, Z Hallaji, The influence of systemic therapy on the serum levels of IL-6 and IL-8 in pemphigus vulgaris. Journal of the European Academy of Dermatology and Venereology. 2013. 27(3),doi:10.1111/j.1468-3083.2011.04319.x
79. Sh Tamasoki, A Miresmaeili, M BasamTabar, S Fazlollahi, **M AkbarZadeh**, MTHFR C677T Polymorphisms in Non-syndromic Cleft Lip with or without Cleft Palate Patients. Iranian Journal of Orthodontics. 2013. 8(1).
80. Zahra Hallaji, Farshad Babaeijandaghi, **Mahdi Akbarzadeh**, Seydeh Zeinab Seyedi, Massoume Barzegari, Pedram Noormohammadpour, Zohreh Shahabi, Amir Houshang Ehsani, A significant association exists between the severity of nail and skin involvement in psoriasis. Journal of the American Academy of Dermatology. 2012. 66(1),doi:10.1016/j.jaad.2010.10.021
81. AA NASIRIPOUR, MH MEHROLHASANI, **M AKBARZADEH**, The Relationship of Organizational Citizenship Behavior and Basic Trauma Life Support among Mashhad Emergency Medical Technicians. URBAN MANAGEMENT STUDIES. 2011. 3(5).

[Type here]

82. **Mahdi Akbarzadeh**, HA Majd, Maryam Sadat Daneshpour, Yadolah Mehrabi, Freydoon Azizi, Analyzing of multivariate two levels Haseman-Elston regression and its application in genetic linkage of HDL-C, triglycerides and waist in 91 Iranian families with metabolic. *Koomesh*. 2011. 12(3).
83. S Dekhoda, N Arianpour, **M Akbarzadeh**, Evaluation of effective factors in treatment outcome of diabetic foot in diabetic patients referring to Taleghany hospital-Tehran from 2008-2009. 2011. 9(234).
84. M Alebouyeh, F Mohseni, **M Akbarzadeh**, Study of the anti-hyperglycemic effects of Cuminum cyminum L. extract in type 2 diabetes mellitus patients. *Diabetes, Obesity & Metabolism*. 2010. 12.
85. **Mehdi Akbarzadeh**, Hamid Alavimajd, Yadollah Mehrabi, Maryam Daneshpour, Anvar Mohammadi, Haseman-Elston Regression Methods in Genetic Linkage Analysis. *Journal of Statistical Sciences*. 2010. 3(2).
86. E Zadehashem, Amoli J Salar, A Barin, P Sadighara, T Aliesfahani, **M Akbarzadeh**, R Ferdowsi, M Eslami, The Effect Of Sodium Arsenite In Induction Of Protein Stress In Chicken Embryo Model. *Annals Of Military And Health Sciences Research*. 2010. 8(331).
87. A Narimani, **M Akbarzadeh**, M Hamzeh, Evaluation of general health in medical students of AJA University of Medical Sciences. *ANNALS OF MILITARY AND HEALTH SCIENCES RESEARCH*. 2010.
88. SM Raigani, F Najj, MH Bahrami, MR Mokhtaryrad, D Elyaspour, **M Akbarzadeh**, L Angouti, Comparing the Effects of Manual Lymphatic Drainage and Intermittent Pneumatic Compression in Breast Cancer Lymphoma Treatment. *ANNALS OF MILITARY AND HEALTH SCIENCES RESEARCH*. 2010. 9(129).

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**Chapters, Book:**

Biostatistics: Concepts, Methods, and Applications (3rd edition). [Persian] Authors: Firouz Amani, Yaser Tabaraei, **Mahdi Akbarzadeh**; Sabzevar University of Medical Sciences, publisher, ISBN: 978-600-90198.