

CURRICULUM VITEA

Maryam Farhadian, MS.c, PhD

Assistant Professor in Biostatistics

Office Address:

Dept. of Biostatistics, School of Public Health, Hamadan University of Medical Sciences

Hamadan, Iran, Postal code: 6517669664, Telephone: (+98) 81-38380025,

Fax: (+98) 81-38380509

Email: m.farhadian@umsha.ac.ir , maryam_farhadian80@yahoo.com

Degrees:

B.Sc. in Statistics (2001-2005), Department of Statistics, School of Mathematics, Razi University, Kermanshah, Iran.

M.Sc. in Biostatistics (2006-2009), Department of Biostatistics, School of Public Health, Hamadan University of Medical Sciences, Hamadan, Iran.

Ph.D. in Biostatistics (2010-2015) Department of Biostatistics, School of Public Health, Hamadan University of Medical Sciences, Hamadan, Iran.

Awards and Honors:

Top Young Researcher, Hamadan University of Medical Sciences (2016).

Award in certificate of appreciation for achieving 1th Rank between PhD Entrances, Hamadan University of Medical Sciences, Hamadan, Iran.

Award in certificate of appreciation for achieving 1th Rank between M.Sc. Entrances, Hamadan University of Medical Sciences, Hamadan, Iran.

Professional Experience:

Faculty Member at Hamadan University of Medical Sciences. (2015-Present)

Publication papers:

- ۱- *M Aliabadi, M Farhadian, M Jalali, M Jahangiri, AR Negahban. A new empirical approach for predicting heat strain in workers exposed to hot indoor environments. Indoor and Built Environment. 2017.*
- ۲- *M Bayanati, S Keshtkar, M Farhadian, F Ashtarani. Assessment of the relationship between serum uric acid level and atherosclerosis burden in patients undergoing coronary angiography in Ekbatan (Farshchian) hospital, Hamadan 2015. Artery Research. 19. 38-41. 2017.*
- ۳- *M Aliabadi, R Bayat, R Golmohammadi, M Farhadian. Health Effects and Work Disability Caused by Exposure to Hand-Transmitted Vibration among Stone Cutting Workers. Acoustics Australia, 2017.*
- ۴- *JM Haghgoo, SR Arabi, SM Hosseinipannah, G Solgi, N Rastegarfar, M Farhadian. Comparison of the effect of three autogenous bone harvesting methods on cell viability in rabbits. Journal of Dental Research, Dental Clinics, Dental Prospects. 11(2). 2017.*
- ۵- *A Biabani, M Aliabadi, R Golmohammadi, M Farhadian. Individual fit testing of hearing protection devices based on microphone in real ear (MIRE). Safety and Health at Work. 2017.*
- ۶- *R Hemmatjo, M Motamedzade, M Aliabadi, O Kalatpour, M Farhadian. The effect of artificial smoke compound on physiological responses, cognitive functions and work performance during firefighting activities in a smoke-diving room: an intervention study. International journal of occupational safety and ergonomics. 2017.*
- ۷- *R Hemmatjo, M Motamedzade, M Aliabadi, O Kalatpour, M Farhadian. The Effect of Various Hot Environments on Physiological Responses and Information Processing Performance Following Firefighting Activities in a Smoke-Diving Room. Safety and Health at Work, 2017.*
- ۸- *R Hemmatjo, M Motamedzade, M Aliabadi, O Kalatpour, M Farhadian. The effect of practical cooling strategies on physiological response and cognitive function during simulated firefighting tasks. Health Promotion Perspectives. 2017; 7(2).*
- ۹- *M Fallahi, M Motamedzade, R Heidarimoghadam, AR Soltanian, M Farhadian, S Miyake. Analysis of the mental workload of city traffic control operators while monitoring traffic density: A field study. International Journal of Industrial Ergonomics. 2016; 54: 170-77.*
- ۱۰- *F Mojarad, I Amiri, R Rafatjou, A Janeshin, M Farhadian. The Effect of 1 α , 25 (OH) 2D3 on Osteogenic Differentiation of Stem Cells from Dental Pulp of Exfoliated Deciduous Teeth. Journal of Dentistry. 2016; 17(4).*
- ۱۱- *Z Massomi, S Khani, M Gharosian, M Farhadian. The Prevalence of Abnormal Pap Smears in Women Referred to Health Centers Affiliated to Medical Sciences in the Years 2012-2016. Journal of Education and Community Health. 2016; 3(2).*

- ۱۲- B Karkhanehie , **M farhadian** , M Lashgary. Evaluation of the "Reverse flow" Technique in Prevention of Post Dural Puncture Headache in cesarean section under spinal Anesthesia. *Scientific Journal of Hamadan University of Medical Sciences*. 2016; 23(3).
- ۱۳- Vossoghi M, Vossoghi M, Shahriari S, Faramarzi F, Mashouf RY, **Farhadian M**. Efficacy of a Novel Rotary System in Reduction of Intracanal Bacteria: An in Vitro Study. *Iranian Endodontic Journal*. 2016; 11(3):219-22.
- ۱۴- Tarbiat M, Meybodi SAA, **Farhadian M**. Comparing Alterations of Blood Glucose Level in type II Diabetic Patients Taking Metformin and Withhold of Metformin on the Morning of Coronary Artery Bypass Graft Surgery. *Scientific Journal of Hamadan University of Medical Sciences*. 2016; 23(2):110-7.
- ۱۵- Salemi F, Shokri A, Maleki FH, **Farhadian M**, Dashti G, Ostovarrad F, et al. Effect of Field of View on Detection of Condyle Bone Defects Using Cone Beam Computed Tomography. *Journal of Craniofacial Surgery*. 2016; 27(3):644-8.
- ۱۶- Salemi F, Atarbashi Moghadam F, Shakibai Z, **Farhadian M**. Three-dimensional assessment of the nasopalatine canal and the surrounding bone using cone-beam computed tomography. *Journal of Periodontology & Implant Dentistry*. 2016; 8(1):1-7.
- ۱۷- S Shahriari, F Faramarzi, M Y Alikhani, **M Farhadian** , S S Hendi. Apical Sealing Ability of Mineral Trioxide Aggregate, Intermediate Restorative Material and Calcium Enriched Mixture Cement: A Bacterial Leakage Study. *Iranian Endodontic Journal*. 2016; 11(4):336-40
- ۱۸- Rafatjou R, Razavi Z, Tayebi S, Khalili M ,**Farhadian M**. Dental Health Status and Hygiene in Children and Adolescents with Type 1 Diabetes Mellitus. *Journal of Research in Health Sciences*. 2016; 16(3):122-6.
- ۱۹- Rafatjou R, Razavi Z, Khalili M, **Farhadian M**. Oral health status in 5-18 years old children and adolescent with type 1 diabetes compared with healthy group in Hamadan, Iran 2013-2014. *Journal of Dental Medicine*. 2016; 29(2):109-15.
- ۲۰- Kasraei S, Torkzaban P, Shams B, Hosseinipanah SM, **Farhadian M**. CO2 laser surface treatment of failed dental implants for re-implantation: an animal study. *Lasers in medical science*. 2016:1-5.
- ۲۱- Hamidi O, Poorolajal J, **Farhadian M**, Tapak L. Identifying Important Risk Factors for Survival in Kidney Graft Failure Patients Using Random Survival Forests. *Iranian journal of public health*. 2016; 45(1):27.
- ۲۲- Farhadian N, Mashoof RU, Khanizadeh S, Ghaderi E, **Farhadian M**, Miresmaeili A. *Streptococcus mutans* counts in patients wearing removable retainers with silver nanoparticles vs those wearing conventional retainers :A randomized clinical trial. *American Journal of Orthodontics and Dentofacial Orthopedics*. 2016; 149(2):155-60.
- ۲۳- Azimi M, Dinparvar M, Teimourian H, **Farhadian M**. Evaluating Recurring Esthetic Dental Proportion (RED) and Golden Proportion in Natural Dentition. *Avicenna Journal of Dental Research*. 2016.

- ۲۴- P Parsa, Z Mousavi, F Cheraghi, **M Farhadian**. Comparing the Effect of Lecture and Peer Training on Menstrual Health Knowledge and Practices among High School Girls in Hamadan City, 2014. *Scientific Journal of Hamadan Nursing & Midwifery Faculty*. 2015; 23(1).
- ۲۵- Mohammadimanesh A, Rakhshani F, Eivazi R, **Farhadian M**. Effectiveness of Educational Intervention Based on Theory of Planned Behavior for Increasing Breakfast Consumption among High School Students in Hamadan. *Journal of Education and Community Health*. 2015; 2(2):56-65.
- ۲۶- **M Farhadian**, M Aliabadi, R Shahidi. Risk assessment of influence factors on occupational hearing loss in noise – exposed workers in typical metal industry. *Journal of Occupational Hygiene Engineering*. 2015; 1(3):37-44.
- ۲۷- **M Farhadian**, M Aliabadi, E Darvishi. Empirical estimation of the grades of hearing impairment among industrial workers based on new artificial neural networks and classical regression methods. *Indian Journal of Occupational and Environmental Medicine*. 2015; 19(2):84-9.
- ۲۸- **Farhadian M**, Mahjub H, Moghimbeigi A, Lisboa PJ, Poorolajal J, Mansoorizadeh M. Wavelet-based gene selection method for survival prediction in diffuse large B-cell lymphomas patients. *International journal of data mining and bioinformatics*. 2015; 13(2):197-210.
- ۲۹- Aliabadi M HH, Ardestani M, **Farhadian M**. Evaluation of General Exposure to Microwave Propagation in Users of Different Types of Cell Phones. *Occupational Medicine Quarterly Journal*. 2015; 7(2):21-31.
- ۳۰- Aliabadi M, Fereidan M, **Farhadian M**, Tajik L. Determining the effect of worker exposure conditions on the risk of hearing loss in noisy industrial workroom using Cox proportional hazard model. *International Journal of Occupational Safety and Ergonomics*. 2015; 21(2):201-6.
- ۳۱- Aliabadi M, **Farhadian M**, Darvishi E. Prediction of hearing loss among the noise-exposed workers in a steel factory using artificial intelligence approach. *International archives of occupational and environmental health*. 2015; 88(6).
- ۳۲- S Golezar, FH, **M Farhadian**, S Khazaei. Assessing knowledge and attitude of emergency contraception among female freshman students in Islamic Azad University of Toyserkan. *Journal of Novel Applied Sciences*. 2014; 3(7):734-8.
- ۳۳- Negahban A, Aliabadi M, Babayi Mesdaraghi Y, **Farhadian M**, Jalali M, Kalantari B, et al. Investigating the Association between Heat Stress and its Psychological Response to Determine the Optimal Index of Heat Strain. *Journal of Occupational Hygiene Engineering*. 2014; 1(1).
- ۳۴- Kurd N, Garkaz A, Aliabadi M, **Farhadian M**. Study of public exposure to microwave radiation from wireless (WiFi) systems in Hamadan University of medical sciences. *Journal of Ergonomics*. 2014; 1(3):11-7.

- ۳۵- Jalali M, Aliabadi M, **Farhadian M**, Negahban S. Investigation of the variation of urine density as biomarker of dehydration conditions in workers employed in hot workplaces. *Iran Occupational Health*. 2014;11(2):99-110.
- ۳۶- Haghgoo JM, Shokri A, Khodadoust A, Khoshhal M, Rabienejad N, **Farhadian M**. Comparison the Accuracy of the Cone-Beam Computed Tomography With Digital Direct Intraoral Radiography, in Assessment of Periodontal Osseous Lesions. *Avicenna J Dent Res*. 2014;6(2).
- ۳۷- Gholami T, Piran Veyseh P, Aliabadi M, **Farhadian M**. Evaluation of noise pollution and its effects on subjective fatigue of staffs in the governmental banks of Hamadan city. *Iran Occupational Health*. 2014;11(5):65-73.
- ۳۸- **Farhadian M**, Mahjub H, Poorolajal J, Moghimbeigi A, Mansoorizadeh M. Predicting 5-Year Survival Status of Patients with Breast Cancer based on Supervised Wavelet Method. *Osong public health and research perspectives*. 2014;5(6):324-32.
- ۳۹- **Farhadian M**, Mahjub H, Moghimbeigi A, Poorolajal J, Mansoorizadeh M. A Gene Selection Method for Survival Prediction in Diffuse Large B-Cell Lymphomas Patients using 1D Discrete Wavelet Transform. *Iranian journal of public health*. 2014; 43(8):1091-8.
- ۴۰- **Farhadian M**, Lisboa PJ, Moghimbeigi A, Poorolajal J, Mahjub H. Supervised wavelet method to predict patient survival from gene expression data. *The Scientific World Journal*. 2014; 2014.
- ۴۱- Ataee M, Ahmadi-Jouybari T, Hosseini SN, Ahmadi E, Emdadi S, **Farhadian M**, et al. Self-care in Cardiovascular Patients: a Cross-Sectional Study in Hamadan County, the west of Iran. 2014.
- ۴۲- Hesam G, Aliabadi M, **Farhadian M**, Afshari Dv. Investigating the ergonomic conditions in the use of visual displays and their relationships with subjective feeling of fatigue in graduate students of Hamadan University of medical sciences. 2013.
- ۴۳- Hesam G, Aliabadi M, **Farhadian M**, Afshari Doust V. Study of ergonomic conditions in use of visual monitors and its relation to subjective feeling of fatigue in master science students of Hamadan University of medical science. *Journal of Ergonomics*. 2013; 1(2).
- ۴۴- **Farhadian M**, Moghimbeigi A, Aliabadi M. Mapping the obesity in Iran by bayesian spatial model. *Iranian journal of public health*. 2013; 42(6):581.
- ۴۵- **Farhadian M**, Mahjub H, Aliabadi M, Musavi S, Jalali M. Prediction of workers pulmonary disorder exposed to silica dust in stone crushing workshops using logistic regression and artificial neural networks techniques. *Jundishapur J Health Sci*. 2013.
- ۴۶- Aliabadi M, Oliaei M, Nowroozi M, **Farhadian M**, Kamalinia M. Study of Occupational Exposure to Static Magnetic Field and its Health Effects in some Magnetic Resonance Imaging Mri's Units. 2013.
- ۴۷- Aliabadi M, Mahdavi N, **Farhadian M**, Shafie Motlagh M. Evaluation of noise pollution and acoustic comfort in the classrooms of Hamadan University of medical sciences in 2012. *Journal of Ergonomics*. 2013; 1(2):19-27.

- ٤٨-**M Farhadian**, M Aliabadi, H Mahjub. Risk Prediction of Pulmonary Function Disorder of Workers Exposed to Silica Dust in the Stone Crushing Workshops Using Cox Regression Model. *The journal of Toloo – e - Bbehdasht*. 2012.
- ٤٩-**M Farhadian**, H Mahjub, A Moghimbeigi, J Poorolajal. Classification of Death Rate due to Women's Cancers in Different Countries. *Iranian J Publ Health*. 2012; 41(6).
- ٥٠-**Farhadian M**, Mahjub H, Sadri G, Aliabadi M. Ranking health status of children in iran's provinces and assessing its relation with socio-economic indicators. *Hakim Research Journal*. 2010.

Interests:

Biostatistics, Survival Analysis, Multivariate Analysis, Machine Learning, Big Data