

CURRICULUM VITAE



Jalal Poorolajal

MD, MPH, PhD, Associate Professor of Epidemiology

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Personal information

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Present appointments

Associate Professor of Epidemiology, Department of Epidemiology & Biostatistics, School of Public Health, Hamadan University of Medical Sciences

Managing Editor of the Journal of Research in Health Sciences (JRHS)

A member of the Ethics Committee of Hamadan University of Medical Sciences

A member of the Medical Research Council of Hamadan University of Medical Sciences

A member of the Research Center for Modeling of Noncommunicable Diseases

A member of the Research Center for Health Sciences

Academic and professional qualifications

1988	Medical Doctorate	Hamadan University of Medical Sciences
2003	MPH	Tehran University of Medical Sciences
2009	PhD in Epidemiology	Tehran University of Medical Sciences

Major current sources of funding


Medical Research Council of Hamadan University of Medical Sciences
Research Center for Modeling of Noncommunicable Diseases
Research Center for Health Sciences

Teaching

Throughout my career I have made substantial contributions to teaching, both at the undergraduate and postgraduate level. My teaching experience is in the following fields:

- Basic epidemiology
- Advanced epidemiology
- Clinical epidemiology
- Systematic review and meta-analysis
- Research methodology
- Communicable diseases
- Non-communicable diseases
- Clinical trails
- Statistical software (Stata & SPSS)
- Scientific writing
- Peer review

Summary of scientific output




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[Epidemiology](#), [Meta-analysis](#), [Noncommunicable diseases](#)
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Textbooks

1. **Poorolajal J.** Comprehensive manual of Stata 11. Hamadan: Daneshjoo; 2011 [Persian].
2. **Poorolajal J.** Comprehensive manual of Stata 14. Hamadan: Daneshjoo; 2016 [Persian].
3. **Poorolajal J.** Booster Dose Vaccination for Preventing Hepatitis B: A Meta-Analysis. Lap Lambert Academic; 2011. [English]
Available form: http://www.gettextbooks.com/author/Jalal_Poorolajal.
4. Ansari Moghadam AR, **Poorolajal J**, Haghdoost AA, Sadeghirad B, Najafi F. Systematic review & meta-analysis: concepts, applications, & statistical practices. Kerman: Fanous; 2011. [Persian]
5. Contributing authors. Epidemiology Textbook of Prevalent Diseases in Iran. Vol 1: Communicable Diseases. Tehran: Gap Co; 2013.
6. Contributing authors. Epidemiology Textbook of Prevalent Diseases in Iran. Vol 2: Non-Communicable Diseases. Tehran: Gap Co; 2014.

Scientific conferences

1. **Poorolajal J**, Mahmoodi M, Haghdoost A, Majdzadeh R, Nasseri-Moghaddam S, Fotouhi A, et al. Long-term protection provided by hepatitis B vaccine and need for booster dose: a meta-analysis. EPS Global-Shanghai 1st International Biomedicine Forum; September 10 - September 11; Shanghai **2010**.
2. **Poorolajal J**, Jenabi E. The effect of body mass index on endometrial cancer: A meta-analysis. The 3rd International Conference on Epidemiology & Emerging Diseases; August 4 - August 6; Valencia **2015**.
3. **Poorolajal J**, Hooshmand E, Bahrami M, Ameri P. How much excess weight loss can reduce the risk of hypertension? A meta-analysis. The 9th European Public Health Conference; November 9- November 12; Vienna **2016**.

Articles resulted from my PhD thesis

1. **Poorolajal J**, Fotouhi A, Mahmoodi M, Majdzadeh R, Haghdoost A, Nasseri-Moghaddam S, et al. Booster dose vaccination for preventing hepatitis B. Cochrane Database of Systematic Reviews. 2010; Issue 1. Art. No.: CD008256. DOI:10.1002/14651858.CD008256.pub2. [PubMed](#), [ISI](#)
2. **Poorolajal J**, Mahmoodi M, Haghdoost A, Majdzadeh R, Nasseri-Moghaddam S, Fotouhi A. Long-term protection provided by hepatitis B vaccine and need for booster dose: A meta-analysis. *Vaccine*. 2010; 28(3):623-31. [PubMed](#), [ISI](#)
3. **Poorolajal J**, Mahmoodi M, Majdzadeh R, Haghdoost A, Nasseri-Moghaddam S, Fotouhi A, et al. Seroprotection of Hepatitis B Vaccine and Need for Booster Dose: A Meta-Analysis. *Hepatitis Monthly*. 2009;9(4):293-304. [PubMed](#), [ISI](#)
4. **Poorolajal J**, Fotouhi A, Majdzadeh R, Mahmoodi M. MetaPlot: a novel Stata graph for assessing heterogeneity at a glance. *Iranian J Publ Health*. 2010; 39(2): 102-4. [PubMed](#), [ISI](#)
5. **Poorolajal J**, Haghdoost A, Mahmoodi M, Majdzadeh R, Nasseri-Moghaddam S, Fotouhi A. Capture-recapture method for assessing publication bias. *JRHS*. 2010;15(2):107-15. [PubMed](#), [ISI](#)

Recent publications

1. **Poorolajal J**, Zeraati F, Soltanian AR, Sheikh V, Maleki A. Oral Potassium Supplementation for Management of Essential Hypertension: A Meta-Analysis of Randomized Controlled Trials. *Plos One*. 2017; In press. [PubMed](#), [ISI](#)
2. **Poorolajal J**, Mohammadi Y, Mahmoodi A. Challenges of tobacco control program in Iran. *Archive of Iranian Medicine*. 2017; In press. [PubMed](#), [ISI](#)
3. **Poorolajal J**, Soltanian A, Bbahrami M, Ameri P. Effect of consanguinity on low birth weight: a meta-analysis. *Archive of Iranian Medicine*. 2017; In press. [PubMed](#), [ISI](#)
4. Ghoncheh M, Ziaee F, Karami M, **Poorolajal J**. Validating the IBIS model for predicting breast cancer risk in Iranian population. *Clinical Breast Cancer*. 2017; In press. [PubMed](#), [ISI](#)
5. **Poorolajal J**. Resistance economy and new population policy in Iran. *Journal Research in Health Sciences*. 2017;17(1). In press. [PubMed](#), [ISI](#)
6. **Poorolajal J**, Ashtarani F. Effect of Benson relaxation technique on the preoperative anxiety and hemodynamic status: A single blind randomized clinical trial. *Artery Research*. 2017;17:33-8. [PubMed](#), [ISI](#)
7. **Poorolajal J**, Ghaleiha A, Darvishi N, Daryaei S, Panahi S. The prevalence of psychiatric disorders and associated risk factors among college students using GHQ-28 questionnaire. *Journal of Public health*. 2017; In press. [PubMed](#), [ISI](#)
8. Safe M, Faradmal J, **Poorolajal J**, Mahjub H. Model-based Recursive Partitioning for Survival of Iranian Female Breast Cancer Patients: Comparing with Parametric Survival Models. *Iranian Journal of Public Health*. 2017;46(1):35-43. [PubMed](#), [ISI](#)
9. Jahanshahi J, Yazdani J, Hashemian F, Farahani F, Ahmadi MS, **Poorolajal J**. Effect of topical vancomycin on rhinosinusal polyposis relapse after functional endoscopic sinus surgery: a triple blinded randomized controlled trial. *The Egyptian Journal of Otolaryngology*. 2016; In press. [PubMed](#), [ISI](#)
10. Tapak L, Mahjub H, Sadeghifar M, Saidijam M, **Poorolajal J**. Predicting the survival time for bladder cancer using an addi-tive hazards model in microarray data. *Iranian Journal of Public Health*. 2016;45(2):239-48. [PubMed](#), [ISI](#)
11. Taher A, Pilevari Z, **Poorolajal J**, Aghajanloo M. Effects of Normobaric Hyperoxia in Traumatic Brain Injury: A Randomized Controlled Clinical Trial in Besat Hospital, Hamadan, Iran. *Trauma Monthly*. 2016;21(1):e26772. [PubMed](#)
12. Shobeiri F, Jenabi E, **Poorolajal J**, Hazavehei SMM. The association between body mass index and hot Flash in midlife women: a meta-analysis. *Journal of Menopausal Medicine*. 2016;22:14-9. [PubMed](#)
13. Salehabadi M, Farimani M, Tavailani H, Ghorbani M, Poormonsefi F, **Poorolajal J**, et al. Association of G22A and A4223C ADA1 gene polymorphisms and ADA activity with PCOS. *Systems Biology in Reproductive Medicine*. 2016:1-10. [PubMed](#), [ISI](#)
14. **Poorolajal J**, Nafisi N, Akbari ME, Mahjub H, Esmailnasab N, Babae E. Breast cancer survival analysis based on immunohistochemistry subtypes (ER/PR/HER2): a retrospective cohort study. *Archive of Iranian Medicine*. 2016;19(10):680-6. [PubMed](#), [ISI](#)
15. **Poorolajal J**, Jenabi E. The association between body mass index and preeclampsia: a meta-

- analysis *The Journal of Maternal-Fetal & Neonatal Medicine*. **2016**;29(22):3670–6. [PubMed](#), [ISI](#)
16. **Poorolajal J**, Jenabi E. The association between body mass index and cervical cancer risk: a meta-analysis. *European Journal of Cancer Prevention*. **2016**;25(3):232-8. [PubMed](#), [ISI](#)
 17. **Poorolajal J**, Hooshmand E, Mahjub H, Esmailnasab N, Jenabi E. Survival rate of AIDS disease and mortality in HIV-infected patients: a meta-analysis. *Public Health*. **2016**;139:3-12. [PubMed](#), [ISI](#)
 18. **Poorolajal J**, Hooshmand E, Bbahrani M, Ameri P. How much excess weight loss can reduce the risk of hypertension? *Journal of Public Health*. **2016**. In press. [PubMed](#), [ISI](#)
 19. **Poorolajal J**, Hooshmand E. Booster dose vaccination for preventing hepatitis B. *Cochrane Database of Systematic Reviews*. **2016**(6):CD008256. [PubMed](#), [ISI](#)
 20. **Poorolajal J**, Haghtalab T, Farhadi M, Darvishi N. Substance use disorder and risk of suicidal ideation, suicide attempt and suicide death: a meta-analysis. *Journal of Public Health*. **2016**. [PubMed](#), [ISI](#)
 21. **Poorolajal J**, Farbakhsh F, Mahjub H, Babaee E, Bidarafsh A. How much excess body weight, blood sugar, or age can double the risk of hypertension? *Public Health*. **2016**;133:14-8. [PubMed](#), [ISI](#)
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 23. **Poorolajal J**, Bahrami M, Karami M, Hooshmand E. Effect of smoking on multiple sclerosis: a meta-analysis. *Journal of Public Health*. **2016**; In press. [PubMed](#), [ISI](#)
 24. **Poorolajal J**. Re: How much excess body weight, blood sugar, or age can double the risk of hypertension? *Public Health*. **2016**; In press [PubMed](#), [ISI](#)
 25. Nili-Ahmadabadi A, Sedaghat M, Ranjbar A, **Poorolajal J**, Nasiripour H, Nili-Ahmadabadi M. Quantitative analysis and health risk assessment of methanol in medicinal herbal drinks marketed in Hamadan, Iran. *Journal of Applied Pharmaceutical Science*. **2016**;6(7):49-52. [Scopus](#)
 26. Naghshtabrizi B, Mozayani Monfared A, Emami F, **Poorolajal J**. Impact of stent type on incidence of major adverse cardiac events in large coronary arteries with tubular and diffuse lesions. *Minerva cardiologica*. **2016**;64(5):517-24. [PubMed](#), [ISI](#)
 27. Moslemi A, Mahjub H, Saidijam M, **Poorolajal J**, Soltanian AR. Bayesian survival analysis of high-dimensional microarray data for Mantel cell lymphoma patients. *Asian Pacific Journal of Cancer Prevention*. **2016**;17(1):95-100. [PubMed](#), [ISI](#)
 28. Masoumi SZ, Asl HR, **Poorolajal J**, Panah MH, Oliaei SR. Evaluation of mint efficacy regarding dysmenorrhea in comparison with mefenamic acid: A double blinded randomized crossover study. *Iranian Journal of Nursing and Midwifery Research*. **2016**;21:363-7. [PubMed](#)
 29. Mamani M, Mahmudian H, Majzoobi MM, **Poorolajal J**. Prevalence and Incidence Rates of Latent Tuberculosis Infection in a Large Prison in Iran. *International Journal of Tuberculosis and Lung Disease*. **2016**;20(8):1072–7. [PubMed](#), [ISI](#)
 30. Maleki A, Soltanian AR, Zeraati F, Sheikh V, **Poorolajal J**. The flavor and acceptability of six

different potassium-enriched (sodium reduced) iodized salts: A single-blind, randomized, crossover, placebo-controlled trial. *Clinical Hypertension*. **2016**. [PubMed](#)

31. Karami Z, Golmohammadi R, Heidari Pahlavian A, **Poorolajal J**, Heidari Moghaddam R. Effect of daylight on melatonin and subjective general health factors in elderly people. *Iranian Journal of Public Health*. **2016**;45(5):636-43. [PubMed](#), [ISI](#)
32. Hosseini-Zijoud S-M, Ebadi SA, Ghoodarzi MT, Hedayati M, Abbasali Poorkabireh R, Parsa Mahjoob M, **Poorolajal J**, et al. Association of G22A and A4223C Adenosine deaminase-1 (ADA1) gene polymorphisms and ADA activity with polycystic ovary syndrome (PCOS) Systems Biology in Reproductive Medicine. **2016**;62(3):213-22. [PubMed](#), [ISI](#)
33. Hosseini-Sijoudi S-M, Ebadi SA, Goodarzi MT, Hedayati M, Abbasalipour Kabir R, Parsa Mahjub M, **Poorolajal J**, et al. Lipid Peroxidation and Antioxidant Status in Patients with Medullary Thyroid Carcinoma: A Case-control study. *Journal of Clinical and Diagnostic Research*. **2016**;10(2):BC04-BC7. [PubMed](#)
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35. Hashemi SZ, Hazavehei SMM, Vahidinia AA, Shahanjarini AK, **Poorolajal J**, Erfani H, et al. Nutrient Intake and Dietary Pattern of Iranian Women: A Cross Sectional Study. **2016**. In press
36. 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):27-33. [PubMed](#), [ISI](#)
37. Gholizadeh S, Moghimbeigi A, **Poorolajal J**, Khajeian MA, Bahramian F. Study of risk factors affecting both hypertension and obesity outcome by using multivariate multilevel logistic regression models. *Iranian South Medical Journal*. **2016**;19(3):385-97.
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39. Faghfourian B, Homayoonfar S, Rezvanjoo M, **Poorolajal J**, Emam AH. Comparison of hemodynamic effects of biventricular versus left ventricular only pacing in patients receiving cardiac resynchronization therapy: A before–after clinical trial. *Journal of Arrhythmia*. **2016**. In press. [PubMed](#)
40. Bazzazi N, Akbarzadeh S, Yavarikia M, **Poorolajal J**, Fouladi DF. High myopia and diabetic retinopathy a contralateral eye study in diabetic patients with high myopic anisometropia Retina. **2016**: In press. [PubMed](#), [ISI](#)
41. Amini P, Ahmadinia H, **Poorolajal J**, Amiri MM. Evaluating the high risk groups for suicide: a comparison of logistic regression, support vector machine, decision tree and artificial neural network. *Iranian Journal of Public Health*. **2016**;45(9):1179-87. [PubMed](#), [ISI](#)
42. Ahmadi-Motamayel F, Falsafi P, Goodarzi MT, **Poorolajal J**. Evaluation of salivary catalase, vitamin C and alpha amylase in smoker and non-smoker: a retrospective cohort study. *Journal of Oral Pathology & Medicine*. **2016**. In press.

43. Ahmadi-Motamayel F, falsafi P, Goodarzi MT, **Poorolajal J**. Comparison of salivary pH, buffer capacity and alkaline phosphatase in smoker and healthy non smoker: a retrospective cohort study. Sultan Qaboos University Medical Journal. **2016**;16(3):e317-21. [PubMed](#)
44. Ahmadi MS, **Poorolajal J**, Masoomi FS, Haghighi M. The effect of adenotonsillectomy on attention deficit-hyperactive disorder in 6 to 12 years old children with adenotonsillar hypertrophy: A prospective cohort. International Journal of Pediatric Otorhinolaryngology. **2016**.86:193-5. [PubMed](#), [ISI](#)
45. Tapak L, Saidijam M, Sadeghifar M, **Poorolajal J**, Mahjub H. Competing risks data analysis with high-dimensional covariates: an application in bladder cancer. Genomics Proteomics Bioinformatics. **2015**;13:169-76. [PubMed](#)
46. Shahdoust M, Sadeghifar M, **Poorolajal J**, Javanrooh N, Amini P. Predicting Hepatitis B Monthly Incidence Rates Using Weighted Markov Chains and Time Series Methods. Journal of Research in Health Sciences. **2015**;15(1)28-31. [PubMed](#)
47. **Poorolajal J**, Rostami M, Mahjub H, Esmailnasab N. Completed Suicide and Associated Risk Factors: A Six-Year Population Based Survey. Archive of Iranian Medicine. **2015**;18(1):39-43. [PubMed](#), [ISI](#)
48. **Poorolajal J**, Molaeipoor L, Mohraz M, Mahjub H, Taghizadeh Ardekani M, Mirzapour P, et al. Predictors of Progression to AIDS and Mortality Post HIV Infection: A Long-Term Retrospective Cohort Study. AIDS Care. **2015**:1045405. [PubMed](#)
49. **Poorolajal J**, Mazdeh M, Saatchi M, Talebighane E, Bidarafsh A, Lotfi B, et al. Multiple sclerosis associated risk factors: a case-control study. Iranian Journal of Public Health. **2015**;44(11):1498-505. [PubMed](#), [ISI](#)
50. **Poorolajal J**, Babae I, Yoosefi R, Farnoosh F. Animal Bite and Shortage in Rabies Post-Exposure Prophylaxis. Archive of Iranian Medicine. **2015**;18(12):822-6. [PubMed](#), [ISI](#)
51. Moosavi S, Pokorny KL, **Poorolajal J**, Mahjub H. Fuzzy survival analysis of AIDS patients under ten years old in Hamadan-Iran. Journal of Intelligent & Fuzzy Systems. **2015**;28(5):1385-92. [ISI](#)
52. Mazaheri S, **Poorolajal J**, Hosseinzadeh A, Fazlian MM. Effect of Intravenous Sodium Valproate vs Dexamethasone on Acute Migraine Headache: A Double-Blind Randomized Clinical Trial. PloS One. **2015**;10(3):e0120229. [PubMed](#), [ISI](#)
53. Mamani M, Nobari N, Alikhani MY, **Poorolajal J**. Antibacterial susceptibility of Escherichia coli among outpatients with community-acquired urinary tract infection in Hamadan, Iran. Journal of Global Antimicrobial Resistance. **2015**;3:40-3. [PubMed](#)
54. Mahdavinezhad A, Mousavibahar SH, **Poorolajal J**, Yadegarazari R, Jafari M, Shabab N, et al. Association between tissue miR-141, miR-200c and miR-30b and bladder cancer: a matched case-control study. Urological Oncology. **2015**;12(1):2010-3. [Scopus](#)
55. Mahdavinezhad A, Mousavi-Bahar SH, **Poorolajal J**, Yadegarazar R, Jafar M, Shabab N, et al. Evaluation of MiR-141, MiR-200c, MiR-30b Expression and Clinicopathological Features of Bladder Cancer. International Journal of Molecular and Cellular Medicine. **2015**;4(1):1-8. [PubMed](#), [ISI](#)

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57. Khoshhali M, Moslemi A, Saidijam M, **Poorolajal J**, Mahjub H. Predicting the categories of colon cancer using microarray data and nearest shrunken centroid. *Journal of Biostatistics and Epidemiology*. **2015**;1(1):16-21. [Scopus](#)
58. Jenabi E, **Poorolajal J**. The association between hot flush and smoking in midlife women: a meta-analysis. *Climacteric*. **2015**;18:797-801. [PubMed](#), [ISI](#)
59. Jenabi E, **Poorolajal J**. The effect of body mass index on endometrial cancer: A meta-analysis. *Public Health*. **2015**;129:872-80. [PubMed](#), [ISI](#)
60. Jafarzadeh Kohneloo A, **Poorolajal J**, Mahjub H. Applied the additive hazard model to predict the survival time of patient with diffuse large B-cell lymphoma and determine the effective genes, using microarray data. *Iranian South Medical Journal*. **2015**;18(4):711-9.
61. Hosseini SM, **Poorolajal J**, Karami M, Ameri P. Prevalence of nasopharyngeal carriage of *Streptococcus pneumoniae* in Iran: a meta-analysis *Journal of Research in Health Sciences*. **2015**;15(3):141-6. [PubMed](#)
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64. Farhadian M, Mahjub H, Moghimbeigi A, Lisboa PJG, **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. [PubMed](#), [ISI](#)
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66. Falsafi P, Motamayel FA, Rezaei F, **Poorolajal J**. Prevalence and correlation of oral malignant and premalignant mucosal lesions in male smokers and nonsmokers. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*. **2015**;119(3):e158-e9. [PubMed](#), [ISI](#)
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70. Chamanpara P, Moghimbeigi A, Faradmal J, **Poorolajal J**. Joint disease mapping of two digestive cancers in Golestan province, Iran: using a shared component model. *Osong Public Health and Research Perspectives*. **2015**;6(3):205-10. [Scopus](#)
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72. Shokri A, Falah-Kooshki S, **Poorolajal J**, Karimi A, Ostovarrad F. Evaluation of the Location of Mandibular Foramen as an Anatomic Landmark Using CBCT Images". *Brazilian Dental Science*. **2014**;17(4):74-81. [Scopus](#)
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75. **Poorolajal J**, Cheraghi P, Cheraghi Z, Ghahramani M, Doosti Irani A. Predictors of Miscarriage: A Matched Case-Control Study. *Epidemiology and Health*. **2014**:e2014031. [PubMed](#)
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81. Jahanshahi J, Hashemian F, Pazira S, Bakhshaei MH, Farahani F, Abasi R, **Poorolajal J**, et al. Effect of topical tranexamic acid on bleeding and quality of surgical field during functional endoscopic sinus surgery in patients with chronic rhinosinusitis: a triple blinded randomized controlled trial. *Plos One*. **2014**;9(8):e104477. [PubMed](#), [ISI](#)

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