Curriculum Vitae

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Publications:

- 1. M Askarian, E Taherifard, F Jazzabi, **Z Shayan**, O Assadian, G Groot, et al (2024). Epidemiological and clinical characteristics of long COVID-19 among Iranians: A community-based study in southern Iran. BMC Public Health. 24 (1).2007.
- 2. SA Hashemi, S Nosrati, **Z Shayan**, AR Vosoughi (2024). Morphological Variations and Normal Parameters of the Cross-Sectional Anatomy of the Tibiofibular Syndesmotic. Foot and Ankle Specialist 17(2):125-130.
- 3. M Askarian, AAR Kazerooni, **Z Sha**yan (2023). Investigating the tendency to use COVID-19 vaccine booster dose in Iran. BMC Health Services Research. 23(1).
- 4. AR Vosoughi, E Afaridi, S Solooki, **Z Shayan**, S Rammelt (2023). Prevalence and Predictors of Peroneal Tendon Instability Accompanying Calcaneal Fractures. Foot and Ankle International. 44(9):825-833.
- 5. AR Vosoughi, E Afaridi, S Solooki, **Z Shayan**, S Rammelt (2023). The Performance of Health Systems: An Assessment Framework and Comparison of Developed and Developing Countries. Journal of Health Sciences and Surveillance System. 11(2):342-350.
- 6. Ariafar A, Sanati A, Ahmadvand S, Shekarkhar G, Safaei A, **Shayan Z**, et al (2022). Prognostic significance of immunoscore related markers in bladder cancer. BMC urology 22 (1), 1-9
- 7. Vosoughi AR, Hashemipour B, Khademi S, Akbarzadeh A, **Shayan Z** (2022). Clinical Outcomes Following Suturing of Sheath of Peroneal Tendons to the Calcaneal Plate as an Innovative Technique for Reduction of Peroneal Tendon Instability Accompanying Calcaneal Fracture. Foot & Ankle Specialist, 19386400221125373
- 8. Fard HA, Mahmudi-Azer S, Yaqoob QA, Sabetian G, Iranpour P, **Shayan Z**, et al (2022). Comparison of chest CT scan findings between COVID-19 and pulmonary contusion in trauma patients based on RSNA criteria: Established novel criteria for trauma victims. Chinese Journal of Traumatology 25 (03), 170-176
- 9. Danaei M, McLaws ML, **Shayan Z**, Momeni M, Aminnia S, Yaghout Y, et al (2022). Knowledge, Attitudes, and Practice Toward Isolation Precautions Amongst Nurses and Auxiliary Nurses in Nemazee Hospital, Shiraz, Iran. Shiraz E-Medical Journal 23 (2)
- 10. Askarian M, Fu L, Taghrir MH, Borazjani R, **Shayan Z**, et al (2022). COVID-19 vaccination acceptance in Iran, a nationwide survey on factors associated with the willingness toward getting vaccinated. International Journal of Preventive Medicine 13 (1), 130
- 11. Askarian M, Semenov A, Llopis F, Rubulotta F, Dragovac G, Pshenichnaya N, Ojan Assadian O, Ruch Y, **Shayan Z**, et al (2022). The COVID-19 vaccination acceptance/hesitancy rate and its determinants among healthcare workers of 91 Countries: A multicenter cross-sectional study. EXCLI journal 21, 93
- 12. Ebrahimi V, Bagheri Z, Shayan Z, Jafari P (2021). A Machine Learning Approach to Assess Differential Item Functioning in Psychometric Questionnaires Using the

- Elastic Net Regularized Ordinal Logistic Regression in Small Sample Size Groups. BioMed Research International; Volume 2021 | Article ID 6854477
- 13. **Shayan Z**, Paydar SH, Maghsoudi F, Akerdi AT, Shayan L (2021). Use of Penalized Count Regression to Determine Factors Affecting the Length of Stay of Trauma Patients in the Intensive Care Unit. Iranian Red Crescent Medical Journal 23 (11).
- 14. Hashemi SA, Nosrati S, **Shayan Z**, Vosoughi AR (2021). Morphological Variations and Normal Parameters of the Cross-Sectional Anatomy of the Tibiofibular Syndesmotic. Foot & Ankle Specialist, 19386400211055274
- 15. Akbarialiabad H, Zarifsanaiey N, Taghrir MH, Roushenas S, Panahandeh SM, Abdolrahimzadeh-fard H, **Shayan Z**, Kavousi SH, Paydar SH (2021). The impact of flipped learning in surgical education: A mixed-method study. Knowledge Management & E-Learning: An International Journal 13 (3), 273-289
- 16. Abdolrahimzadeh Fard H, Borazjani R, Sabetian G, **Shayan Z**, et al (2021). Establishment of a novel triage system for SARS-CoV-2 among trauma victims in trauma centers with limited facilities. Trauma Surgery & Acute Care Open; 6(1).
- 17. Taheri Akardi A, Fattahi MM, Ghahremani Z, Paydar SH, **Shayan Z** (2021). Investigation of the Effect of Bioptron Light in Preventing the Formation of Scars in Diabetic and Non-Diabetic Mice. Armaghane danesh; 25 (1).
- 18. Shiraly R, **Shayan Z**, McLaws ML (2020). Face touching in the time of COVID-19 in Shiraz, Iran. American journal of infection control; 48 (12).
- 19. Askarian M, Sherafat SM, Ghodsi M, Shayan Z, Palenik CH, Hatam N, Yavor Enchev Y (2020). Prevalence of non-reporting of hospital medical errors in the Islamic Republic of Iran. Eastern Mediterranean Health Journal; 26 (11).
- 20. Nematolahi S, Nazari S, **Shayan Z**, Ayatollahi SMT, Amanati A (2020). Improved Kaplan-Meier Estimator in Survival Analysis Based on Partially Rank-Ordered Set Samples. Computational and Mathematical Methods in Medicine.
- 21. **Shayan Z**, Ebrahimi V, Ezzatzadegan Jahromi Sh (2020). Factors Associated With Short-Term and Long-Term Survival in Patients Undergoing Hemodialysis Using Semi-Parametric Mixture Cure Models. Iranian Journal of Kidney Diseases. Vol(14), Number 1.
- 22. Vosoughi AR, **Shayan Z**, Salehi E, Mojtahed Jaberia F, Solooki S, Kardeh B (2020). Agreement between Sanders classification of intraarticular calcaneal fractures and assessment during the surgery. Foot and Ankle Surgery 26:94–97.
- 23. Gheibi Z, **Shayan Z***, Joulaei H, Fararouei M, Beheshti Sh, Shokoohi M (2019). Determinants of AIDS and non-AIDS related mortality among people living with HIV in Shiraz, southern Iran: a 20-year retrospective follow-up study. BMC Infectious Diseases, 19:1094.
- 24. Rafiei M, Mezerji NMG, **Shayan Z***, Mosayebi Gh (2019). The accuracy of white blood cell count in the diagnosis of acute appendicitis using age-sex-adjusted receiver operating characteristic approach Medical Journal of the Islamic Republic of Iran. 33:139.
- 25. Mousavi-Roknabadi R, Ershadi F, Hadi N, Roozbeh Shahroodi J, **Shayan Z**, Keshavarz S, et al (2019). Effect of Renal Transplantation on Health-Related

- Quality of Life in Patients with End-Stage Renal Disease; A Quasi-Experimental Study. Nephro-Urol Mon. 11(2):e79497.
- 26. Ghanbari S, Zare N, **Shayan Z** (2018). A Practical Method Based On Functional Data Analysis And Single Exponential Smoothing To Combine Survival Curves In Meta-Analysis: A Simulation Study. Advances and Applications in Statistics, 53 (2), 179-197
- 27. Mezerji MN, Naseri P, Omraninezhad Z, **Shayan Z*** (2017). The Reliability and Validity of the Persian Version of Pittsburgh Sleep Quality Index in Iranian People. Avicenna Journal of Neuropsychophysiology. 4(3); 95-102.
- 28. Habibi D, Rafiei M, Chehrei A, **Shayan Z***, Tafaqodi S (2018). Comparison of Survival Models for Analyzing Prognostic Factors in Gastric Cancer Patients. Asian Pacific Journal of Cancer Prevention, 19(3): 749-753.
- 29. Paydar SH, Dalfardi B, **Shayan** Z, Shayan L, Saem J, Bolandparvaz SH (2018). Early Predictive Factors of Hypofibrinogenemia in Acute Trauma Patients. Journal of Emergencies, Trauma, and Shock, 11(1): 38-41.
- 30. Ghorbani M, Ghaem H, Rezaianzadeh A, **Shayan Z**, Zand F, Nikandish R (2018). Predictive factors associated with mortality and discharge in in intensive care units. Electronic Physician, 10 (3): 6540-6547.
- 31. Khoshmohabat H, Makarem AR, Yasin Karami MY, ... **Shayan Z** (2017). The Efficacy of Surgicel Compared with Simple Gauze Packing in Grade IV Liver Laceration; A New Hope for Trauma Patients: An Experimental Study. Journal of Trauma & Treatment, 6(3).
- 32. Karami MY, Niakan H, Zadebagheri N, Mardani P, **Shayan Z**, Deilami B (2017). Which One is Better? Comparison of the Acute Inflammatory Response, Raja Isteri Pengiran Anak Saleha Appendicitis and Alvarado Scoring Systems. Annals of Coloproctology, 33(6):227-231.
- 33. Ghorbani M, Ghaem H, Rezaianzadeh A, **Shayan Z**, Zand F, Nikandish R (2017). A study on the efficacy of APACHE-IV for predicting mortality and length of stay in an intensive care unit in Iran. F1000Research, 6.
- 34. Mohammad Gholi Mezerji N, Naseri P, Rafeie M, Omraninezhad Z, **Shayan Z*** (2017). The Reliability and Validity of the Persian Version of Pittsburgh Sleep Quality Index in Iranian People. Avicenna Journal of Neuro psycho physiology 4(3):95-102.
- 35. Shirali R, **Shayan Z**, Keshtkar V, Hamed M (2017). Self-reported factors associated with engagement in moderate to vigorous physical activity among elderly people: A population-based study. International Journal of Preventive Medicine 2017, 8: 26.
- 36. **Shayan Z**, Mohammad Gholi Mezerji N, Shayan L, Naseri P (2016). Prediction of Depression in Cancer Patients with Different Classification Criteria, Linear Discriminant Analysis versus Logistic Regression. Global Journal of Health Science; 8(7): 41-46.
- 37. **Shayan Z**, Pourmovahed Z, Najafipour F, Abdoli AM, Mohebpour F, Najafipour S (2015). Factor structure of the General Health Questionnaire-28 (GHQ-28) from

- infertile women attending the Yazd Research and Clinical Center for Infertility. International Journal of Reproductive Biomedicine, 13(12): 801-808.
- 38. Mohammad Gholi Mezerji N, Rafeie M, **Shayan** Z, Mosayebi GH (2015). The Diagnostic Value of Surface Markers in Acute Appendicitis; A Diagnostic Accuracy Study. Bulletin of Emergency Trauma, 3(2):65-69.
- 39. **Shayan Z**, Shahkolahi Z, Ahmadlo N, Vafaee L, Shayan L (2014). Prognostic Factors of Depression in Patients with Cancer Undergoing Chemotherapy and Radiotherapy. Health Scope, 3(4): e18609.
- 40. Zekavat OR, Makarem AR, **Shayan Z**, Shojaee M (2014). Obesity and overweight among primary school children in Iran. Minerva Pediatrica, 66(6): 579-84.
- 41. **Shayan Z**, Ayatollahi SMT, Zare N, Moradi F (2014). Prognostic factors of first birth interval using the parametric survival models. Iranian Journal of Reproductive Medicine, Vol. 12. No. 2. pp: 125-130.
- 42. **Shayan Z**, Ayatollahi SMT, Zare N (2011): A parametric method for cumulative incidence modeling with a new four-parameter log-logistic distribution. Theoretical Biology and Medical Modelling, 8(43):1-11.
- 43. Ayatollahi SMT, **Shayan Z** (2008). New Reference Values for Mid-Upper Arm Circumference of Shiraz (Iran) primary school children. The European e-Journal of Clinical Nutrition and Metabolism, 3, e72-e77.
- 44. **Shayan Z**, Shayan F (2007). Pattern of drug prescription in clinical ward of Motahari and Peimanie hospital in 2006. Journal of Jahrom Medical, 5(5): 44-50 (In Persian).
- 45. Mazharinia N, Aghaei S, **Shayan Z** (2007). Dermatology Life Quality Index (DLQI) scores in burn victims after revival. Journal of Burn & care Research, 28(2):312-317.
- 46. Rahiminejad M, Saleh A, Jandaghi Amirabadi Y, **Shayan Z** (2007). Evaluation of serum level of testosterone, dehydropiandrosterone sulphate (DHEA-S) prolactin, luteinizing hormone (LH) follicle stimulating hormone (FSH) in women with hirsutism. Journal of Jahrom Medical, 5(5): 7-14 (Persian).
- 47. Ayatollahi SMT, **Shayan Z** (2006). Head Circumference Standard for School Children of Shiraz, Iran. Journal of Tropical of pediatric, 52(6):406-10:406-410.
- 48. Ayatollahi SMT, Pourahmad P, **Shayan Z** (2006). Trend in physical growth among children in southern Iran, 1988-2003. Annals of human biology, 33(4):510-514.
- 49. Ayatollahi SMT, Pourahmad P, **Shayan Z** (2006). Secular Trend in growth among school children of Shiraz (Southern Iran) born in the reconstruction period. Medical journal of Islamic Republic of Iran, 20(3):141.

Membership in professional associations and societies

Women's health bulletin (Journal)

Bulletin of emergency and trauma (Journal)

Trauma research center

Teaching

- 1. Postgraduate (Biostatistics), Title of lesson: Survival, Statistical methods in epidemiology, Multivariate, Biostatistics, Experimental design (phd).
- 2. Resident (School of Medicine), Title of lesson: Biostatistics
- 3. Postgraduate (School of Nursing), Title of lesson: Biostatistics
- Undergraduate (School of Nursing, School of Management, School of Medicine),
 Title of lesson: Biostatistics
- 5. Undergraduate (Jahrom Medicine University), Title of lesson: Biostatistics
- 6. Undergraduate (Lar School of Nursing), Title of lesson: Biostatistics

Workshop

- 1. Types of Variable and Sampling Methods
- 2. Data gathering and Analysis
- 3. Biostatistics and Working with SPSS Software
- 4. Experimental design
- 5. Sample size and calculation of power in NCSS software

Presentations

- 1. 8th Iranian Statistical Conference. "Statistical models for estimate children head circumference". Shiraz University, August 22-24 2006.
- 2. The first national conference on mathematics and statistics, "Diagnostic accuracy of white blood cell count in the diagnosis of acute appendicitis using age-gender-adjusted receiver operating characteristic approach". 16 February 2017, Shiraz, Iran.

Research interest:

Survival – Competing Risks