



## دانشکده پزشکی

گروه اپیدمیولوژی و آمار زیستی



تاریخ به روز رسانی ۱۴۰۰

مشخصات فردی

نام : حمیدرضا

نام خانوادگی : خلخالی

تاریخ تولد : ۱۳۴۹

رشته تحصیلی : آمارزیستی

سطح تحصیلات : دکترای تخصصی ( Ph.D )

مرتبه علمی : استاد

پست الکترونیکی : [khalkhali@umsu.ac.ir](mailto:khalkhali@umsu.ac.ir)

آدرس : ارومیه ، کیلومتر ۱۱ جاده سرو ، پردیس دانشگاه علوم پزشکی ارومیه ، دانشکده پزشکی ، گروه اپیدمیولوژی و آمارزیستی . کد پستی ۵۷۱۵۷۹۹۳۱۳

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# Urmia University of Medical Sciences

## Faculties CV

### Hamid Reza Khalkhali

**Academic Rank:** Professor  
**School:** Medicine  
**Department:** Biostatistics and Epidemiology  
**Address:** Biostatistics and Epidemiology Department, School of Medicine , Urmia University of Medical Sciences,  
Urmia, Iran  
**Tel:** 044-32780803  
**Fax:** 044-32780803

#### Education

##### Degrees:

**Ph.D.** Biostatistics, Tarbiat Modarres University, Tehran, Iran, 2010.

**M.Sc.** Biostatistics, Tarbiat Modarres University, Tehran, Iran, 1998.

**B.Sc.** Statistics, Shahid Behashti University, Tehran, Iran, 1995.

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##### Short Courses / Workshops:

2010 1 Days Pajouheshyar, Urmia University of Medical Sciences, Urmia.

2010 2 Days mathematical models ,Urmia University of Medical Sciences, Urmia.

1999 1 week Research Methodology, Tarbiat Modares University, Tehran.

## Positions Held

Professor of Biostatistics,

*School of Medicine, Urmia University of Medical Sciences, 2018 – Present*

Head of Department ,

*School of Medicine, Urmia University of Medical Sciences, 2014 – present*

Associate Professor of Biostatistics,

*School of Medicine, Urmia University of Medical Sciences, 2014 – 2018*

Deputy Dean for Research and Education,

*School of Public Health, Urmia University of Medical Sciences, 2011 – 2015.*

Assistance Professor of Biostatistics,

*School of Medicine, Urmia University of Medical Sciences, 2010 – 2014.*

Member, Research Committee,

*Reproductive Health Research Center, Urmia University of Medical Sciences, 2010-Present.*

Member, Research Committee,

*Nephrology and Transplantation Research Center, Urmia University of Medical Sciences, 2010-Present.*

Member, Research Committee,

*School of Medicine, Urmia University of Medical Sciences, 2010-Present.*

Member, Research Committee,

*School of Public Health, Urmia University of Medical Sciences, 2010-Present.*

Instructor of Biostatistics,

*School of Public Health, Urmia University of Medical Sciences, 2005 – 2010.*

Member, Research Committee,

*School of Medicine and School of Public of Health, Urmia University of Medical Sciences, 2005-2006.*

Instructor of Biostatistics,

*School of Medicine and Allied Medical Sciences, Tehran University of Medical Sciences, 1999 – 2004.*

Deputy Dean for Research,

*School of Allied Medical Sciences, Tehran University of Medical Sciences, 2004.*

Member, Research Committee,

*School of Medicine and Allied Medical Sciences, Tehran University of Medical Sciences, 1999-2004.*

Member, Research Committee,

*School of Medicine and Allied Medical Sciences, Tehran University of Medical Sciences, 1999-2004.*

Statistical Consultant, Center of Scientific Writing,

*Tehran University of Medical Sciences, 2002–2004.*

Head of Computer Center,

*School of Allied Medical Sciences, Tehran University of Medical Sciences, 2002–2004.*

Reviewer of Journals,

*Tehran University Medical Journal and ACTA medicine, Tehran University of Medical Sciences, 2000–2004.*

## Experiences

### Course Teaching:

#### MS program

2010 – Present [Advanced Biostatistics Methods](#), MSc program for medical entomology in School of Public health, UMSU.

2010 – Present [Statistics and Advanced Research Methodology](#), MSC program for Nursing in School of Nursing and Midwifery UMSU.

2008 – Present [Advanced Biostatistics Methods](#), MSc program for Epidemiology in School of Medicine, UMSU.

2008 – Present [Preliminary Biostatistics Methods](#), MSc program for Epidemiology in School of Medicine, UMSU.

2008 – Present [Sampling Techniques](#), MSc program for Epidemiology in School of Medicine, UMSU.

2008 – Present [Genetic Epidemiology](#), MSc program for Epidemiology in School of Medicine, UMSU.

2008 – Present [Computer and its application in research](#), MSc program for Epidemiology in School of Medicine, UMSU.

2005 – 2006 [Preliminary Statistical Methods](#), MSc program for Biochemistry in School of Medicine, UMSU.

2005 – 2006 [Computer and its application in research](#), MSc program for Biochemistry in School of Medicine, UMSU.

2002 – 2004 [Computer and its application in research](#), MSC program in School of Medicine, Tarbiat Modars University,

2002 – 2004 [Research Methodology](#), MSc program Immunology in School of Medicine, TUMS.

#### MD program

- 2005 – 2006 [Preliminary Statistical Methods](#), MD program in School of Medicine, UMSU.
- 2005 - 2006 [Research Methodology and Applied Computer](#), MD program in School of Medicine, UMSU.
- 1999 - 2004 [Research Methodology and Applied Computer](#), MD program in School of Medicine, TUMS.
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### **BSc program**

- 2005 – 2006 [Preliminary Statistical Methods](#), BSc program in School of Allied Medical Sciences, UMSU.
- 2005 – 2006 [Preliminary Statistical Methods](#), BSc program in School of Public Health, UMSU.
- 2005 – 2006 [Preliminary Statistical Methods](#), BSc program in School of Nursing and Midwifery UMSU.
- 2002 – 2004 [Preliminary Statistical Methods](#), BSc program in School of Allied Medical Sciences, TUMS.
- 2002 – 2004 [Research Methodology](#), BSc program in School of Allied Medical Sciences, TUMS.
- 2002 – 2004 [Computer and its application in research](#), BSc program in School of Allied Medical Sciences, TUMS.
- 2002 – 2004 [Preliminary Statistical Methods](#), BSc program in School of Allied Medical Sciences, TUMS.
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### **Teaching in Workshop:**

- Research Methodology
  - Statistical Methods in Health Data Analysis ( Basic, Intermediate, Advance levels)
  - Clinical Trials
  - Computer and its Application in Research
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### **Grants and Contracts:**

**UMSU:** Evaluation of the materials with different densities as bolus in low energy clinical electron beams.

*Co-Investigator*, 2010.

**UMSU:** An Investigation on anti-malarial effects of Artemisia oliveriana herb as Iranian flora on plasmodium Bergheim in vivo.

*Co-Investigator*, 2010.

**UMSU:** The Investigation of correlation structure of health indicators with the effective factors in Iran.

*Principle Investigator and Acting Director*, 2006.

**UMSU:** Study trend of NO produced in renal transplant recipients before and two months after Transplantation. *Consultant*, 2006.

**UMSU:** Investigation of factors affecting on tempo & quantum of fertility in West Azarbiyjan, Iran. Principle Investigator and Acting Director, 2005.

**UMSU:** Investigation of agreement between writing questioner and video in ISAAC study in grader 13- 14 years old in urmia. *Co-Investigator*, 2004.

**UMSU:** Compare serum level of manyazium, calcium, zinc in normo-tansive and perclampcy. *Co-Investigator*, 2004.

**UMSU:** Investigation of patient satisfaction rate of care servicing in educational and private hospitals In Urmia. *Co-Investigator*, 2005.

**TUMS:** Investigation of factors affecting on tempo & quantum of fertility in Mazandaran, Iran. *Co-Investigator*, 2004.

**TUMS:** Investigation of factors affecting on tempo & quantum of fertility in Khoozastan, Iran. *Co-Investigator*, 2004.

**TUMS:** Investigation of factors affecting on tempo & quantum of fertility in Gillan, Iran. *Co-Investigator*, 2003.

**TUMS:** Investigation of risk factors of stomach and lung cancer in Gilan, Iran. *Co-Investigator*, 2004.

**TUMS:** Evaluation of patient satisfaction rate of admission processing in the hospitals of Tehran University of Medical Sciences. *Co-Investigator*, 2002.

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### Theses Supervised or Consulted:

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Evaluation of continuing breast feeding effect on treatment of indirect hyperbilirubinemia in term neonates at Shahid Motahhari hospital ,Urmia 2010-2011

**Ebrahimi B**, MD ,Resident of Pediatrics, Umsu.

---

Study of asthma risk factors among children 2 to 8 years of age in Urmia district.

**Oshnooyeh S**, Master of Epidemiology, Umsu.

---

Determinantes of iodine intake in pregnant women under care-urban health centers urmia W.Azarbijan province.

**Beyramvand A**, Master of Epidemiology, UMSU.

---

Investigation the incidence of FTT and associated risk factor among under one year age children in Salmas district.

**Ahmadi N**, Master of Epidemiology, UMSU.

---

Evaluation of Incidence and Disclosure of Nursing Errors and Their Predisposing Factors in Critical Care Nursing Compared to Other Units in Urmia University of Medical Sciences- Urmia2009-2010

**Naderi Y**, Master of Nursing, UMSU.

---

A survey on correlation between sleep disorders with restless legs syndrome in Critical Care Units.

**Ghanei R**, Master of Nursing, UMSU.

---

Evaluation of homocysteine levels and osteoporosis in elderly patients referring to Urmia Imam Khlmeini hospital endocrinology clinic.

**Esllampour P**, MD, Resident of Internal Medicine, UMSU, 2010.

---

Compare graft function between polycystic and without polycystic non diabetic reception patients.

**Bahrampour P**, MD, UMSU, 2010.

---

Prevalence of hyperuricemia in the first month after transplantation in renal transplant recipients with normal graft function and allograft dysfunction.

**Seid Peiran G.R**, MD, UMSU, 2010.

---

Investigation of patient mortality rate in ICU Imam Khomani and assessing quality of care service using APACHE III criteria.

**Aghdashi M.A**, Resident of Internal Medicine, UMSU, 2005.

---

The Study of NO produced in renal transplantation reception.



**Hajirahimi khani A**, Ms in Biochemistry, UMSU, 2005.

---

Association between rate of hematocrite and MI.

**Shahi O**, MD, UMSU, 2005.

---

The Investigation of correlation between count of WBC after MI and severity index of MI in MI patients.

**Abasspour and Nouzad**, MD, UMSU, 2005.

---

Investigation of association between job stress and depression in nurses in educational hospital of Urmia University of Medical sciences.

**Moutavalian F, Omranii A**, MD, UMSU, 2005.

---

Investigation of Chol-Tce variation in before, 3 month, 6 month of pregnancy.

**Motavaled L**, MD, UMSU, 2004.

---

Investigation of prevalence of asthma sign and smoking in student in UMSU according to IUATLD and ECRHS protocol.

**Abdollahi N, Hatami K**, MD, UMSU, 2004.

---

Compare three approaches (post, change, ancova) of repeated measurement in medical data analysis.

**Ghadimi M**, Msc in Biostatistics, Tarbiat Modares University, 2003.

---

The application and compare covariance structure models in repeated measurement in medical data analysis.

**Ansari A**, Msc in Biostatistics, Tarbiat Modares University, 2002.

---

Analysis of artificial paired data and application in determine of risk factors in Esophagus cancer in Mazandaran province.

**Mirzaii E**, Msc in Biostatistics, Tarbiat Modares University, 2001.

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## Distinctions, and Scientific Societies Membership

### Membership

- Iranian Statistical Society.

### Reviewing Activities

#### **Manuscript Peer Reviewer(National Journals):**

Journal of Research in Health Sciences,[**Scopus, EMBASE , CINAHI (EBSCO Publishing), WHO-EMRO Index Medicus. ISC. ]**

#### **Manuscript Peer Reviewer(International Journals):**

Journal of Applied Statistics, [**ISI, SCOPUS, Chemical Abstract, Applied Sci. Abst.**]

## Language Skills

**Persian, English**

## Computer Knowledge

**SPSS, STATA, S\_PLUS, R, SAS, Epi Info, MS Office**

**C++ Programming**

## Farsi Publications

## **I. Book:**

- 100 Statistical Tests with SPSS/win guideline, Dibagran Tehran Publication, ISBN: 964-354-026-X.
  - Infant Mortality Rate in Iran trends and indexes 1957-2022. Statistical Center of Iran. ISBN: 964-365-152-5.
  - **Statistical Mathematics** , Khaniran Publication, ISBN: 964-8033-30-7.
- 

## **II. Manuscripts and Papers:**

### **Authors**

S Kamalian, A Didarloo, [HR Khalkhali](#), M Maheri. RELATIONSHIP BETWEEN HEALTH-PROMOTING LIFESTYLE AND QUALITY OF LIFE AMONG MIDDLE-AGED WOMEN IN BAZARGAN CITY. *Nursing And Midwifery Journal*. 19 (3), 2021; 222-232.

Rasool Gharaaghaji, Hale Ayatollahi, Marziye Mohammadpour, Javid Fereidoni, [Hamid Reza Khalkhali](#) . Application of Mixture Cure Models in Determining the Survival of Patients with Cervical Cancer . *International Journal of Cancer Management* 14 (3). 2021;14(3):e93966. doi: 10.5812/ijcm.93966.

L Mokhtari, AK Markani, [HR Khalkhali](#), A Feizi . The Perceived Social Support by Iranian Women with Breast Cancer: A Qualitative Study . *Research Square* . 2021.

HL Afshar, N Jabbari, [HR Khalkhali](#), O Esnaashari . Prediction of Breast Cancer Survival by Machine Learning Methods: An Application of Multiple Imputation . *Iranian Journal of Public Health*. 50 (3),2021; 598-605.

M Barzgar, A Mostafazadeh, H Habibzadeh, M Radfar, [HR Khalkhali](#) . Prediction occupational burnout based job stress in nurses in the emergency department . *Iranian Journal of Psychiatric Nursing* . 8 (6), 2021; 2021: 20-28.

F Bahadori, Z Fakour, R Redaei, [HR Khalkhali](#), Z Sahebazzamani . The Effect of Betamethasone on the Consequences of Late Preterm Pregnancy: A Double-Blind Randomized Clinical Trial. *Journal of Obstetrics, Gynecology and Cancer Research (JOGCR)*, 6 (1); 2021 :10-15 .

T TAYEFEH, H GHAVAMI, M RADFAR, M MANSOORI, [HR KHALKHALI](#). Mood Status in Patients with Gastrointestinal Tract Cancer Undergoing Radiotherapy: A Randomized Cross-sectional Study. *TURKISH JOURNAL OF ONCOLOGY 1 (1)*, *Turk J Oncol* 2021;36(3):285–91.

A BAGHERZADI, R EMANI, H GHAVAMI, [HR KHALKHALI](#), M EBRAHIMI . Comparing the effect of heat and cold therapy on the intensity of nitrate induced migraine type headache in cardiac inpatients: A randomized controlled trial . *Agri* 2021;33(3):148–154 .

P Amiri, B Rahimi, [HR Khalkhali](#) . Nurses' Attitudes Toward Computerized Provider Order Entry (CPOE) System: A Feasibility Study Prior to Implementation . *Journal of Clinical Research in Paramedical Sciences* .9 (2), 2020, *J Clin Res Paramed Sci*. Online ahead of Print ; 9(2):e101420. doi: 10.5812/jcrps.101420.

S Rabiepoor, N Vatankhah-Alamdary, [HR Khalkhali](#) . The Effect of Expressive Writing on Postpartum Depression and Stress of Mothers with a Preterm Infant in NICU . *Journal of clinical psychology in medical settings* . 27 (4),2020; 867-874.

R Rostami, S Nourooz-Zadeh, A Mohammadi, [HR Khalkhali](#), G Ferns . Serum Selenium Status and Its Interrelationship with Serum Biomarkers of Thyroid Function and Antioxidant Defense in Hashimoto's Thyroiditis . *Antioxidants* 2020, 9, 1070; doi:10.3390/antiox9111070 .

H Ghavami, A Bagerzadi, R Emani, [HR Khalkhali](#) .COMPARING THE EFFECT OF HEAT AND COLD THERAPY ON THE SEVERITY OF NITRATE INDUCED MIGRAINE TYPE HEADACHE IN CARDIAC INPATIENTS: A RANDOMIZED CONTROLLED TRIAL . *CEPHALALGIA* 40 (1\_ SUPPL), 2020; 40-41.

S Paryab, HR Mehryar, [HR Khalkhali](#), SS Lak . Survival and quality of hospital care for victims of car crashes in Western Azerbaijan, Iran . *IranRedCrescent MedJ*. 2020; 22(8):e35.

[HR Khalkhali](#), HR Mehryar, S Salari . A Model to Predict Road Deaths and Injuries in West Azerbaijan Province based on the Data between 2010-2017 in Time Series: Box-Jenkins Model . *Research in Medicine* . 44 (3),2020; 498-502 .

A Didarlo, L Mokhtary, [HR Khalkhali](#), S Ahangarzadeh-Rezaei . The Impact of the Theory-Based Training on Beliefs of Women towards Breast Cancer Screening Behaviors . *Current Women's Health Reviews* .16 (3),2020; 229-235.

M Salamatbakhsh, M Hosseini, [H Reza Khalkhali](#), H Habibzadeh . EFFECTS OF ORAL 20% SUCROSE ON SEVERITY OF PAIN DURING VENIPUNCTURE IN PREMATURE NEONATES IN MOTAHARI HOSPITAL OF URMIA, IRAN, 2019-2020 . *Nursing And Midwifery Journal* .18 (3), 2020; 245-252.

Fatemeh Hoseinzadeh , Moloud Radfar , Fatemeh Moghaddamtabrizi , [Hamidreza Khalkhali](#) . THE EFFECT OF RESILIENCE-BASED GROUP THERAPY ON MOTHERS' PERCEPTIONS OF CHILD'S HEALTH STATUS WITH CANCER: A RANDOMIZED CLINICAL TRIAL . *Nursing And Midwifery Journal* . 18 (3), 2020; 223-233.

H Ghavami, L Arjomand, M Radfar, [HR Khalkhali](#) . Effects of Reflexology Massage on Hair Regrowth After Chemotherapy-induced Alopecia Among Women with Cancer: A Randomised Clinical Trial . *Bezmialem Science* 8 . (3), 2020; 215-220.

M Hemmati Maslakpak, S Alipor, N Aghakhani, [H Khalkhali](#) . The effect of family-centered care on adherence to treatment in patients with type 2 diabetes . *Journal of Birjand University of Medical Sciences* .27 (2), 2020; 161-171.

M Hemmati Maslak Pak, F Mollazadeh, [H Khalkhali](#), S Abkhiz . The Impact of Self-Care Education with Teach-Back Method on Self-Esteem in Kidney Transplant Recipients: A Clinical Trial . *Avicenna Journal of Nursing and Midwifery Care* . 28 (3), 2020;154-162.

[H Khalkhali](#), M Mohammadpour, N Eslamlu, R Gharaaghaji. Timing of the first deciduous tooth eruption (incisors) and its related factors in infants: a longitudinal study using Cox's proportional hazards model . *Journal of Research in Applied and Basic Medical Sciences* . 6 (2), 2020; 59-64.

M Mohamadi, HR Mehryar, [HR Khalkhali](#), S Salari Lak . Demographic characteristics of people injured by driving accidents and admitted to imam khomeini hospital in urmia in 2016 . *Journal of Surgery and Trauma* .8 (1),2020; 23-30.

O Garkaz, HR Mehryar, [HR Khalkhali](#), SS Lak . A comparative study on the ability of trauma severity-assessing methods in determining the prognosis of patients having accident and referred to Imam Khomeini Hospital of Urmia. *Archives of Trauma Research*, 9 (2),2020; 62-68.

H Habibzadeh, OW Dalavan, L Alilu, J Wardle, [H Khalkhali](#), A Nozad. Effects of Foot Massage on Severity of Fatigue and Quality of Life in Hemodialysis Patients: A Randomized Controlled Trial. *International journal of community based nursing and midwifery* . 8 (2), 2020; 92-101.

A Didarloo, [HR Khalkhali](#), B Ghorbani . RELATIONSHIP BETWEEN HEALTH BELIEF MODEL AND HUMAN PAPILLOMAVIRUS VACCINE INTENT AMONG FEMALE STUDENTS OF URMIA UNIVERSITY OF MEDICAL SCIENCES . *Nursing And Midwifery Journal* . 17 (11), 2020; 897-906.

M Jasemi, REZ Rasoulgoli, [H Khalkhali](#) . Effects of Teaching Nursing Codes of Ethics through Lecture on Moral Sensitivity and Moral Performance of Nursing Students—A single blind, Quasi Experimental Study . *Pak. J. Med. Health Sci* . 14 (2), 2020; 1276-1281.

O Garkaz, HR Mehryar, [HR Khalkhali](#), SH Salari Lak . Determining the days of disability and the severity of injuries caused by driving accidents in patients admitted to Imam Khomeini Hospital, Urmia in 2016 . *Iranian journal of epidemiology* .16 (2), 2020; 161-171.

R BAYRAMI, A Didarlou, [H KHALKHALI](#), H AYATOLLAHI, B Ghorbani . RELATIONSHIP BETWEEN HEALTH BELIEF MODEL AND HUMAN PAPILLOMAVIRUS VACCINE INTENT AMONG FEMALE STUDENTS OF URMIA UNIVERSITY OF MEDICAL SCIENCES . *JOURNAL OF URMIA NURSING AND MIDWIFERY FACULTY* .17 (11124), 2020; 897-906.

O Garkaz, HR Mehryar, [HR Khalkhali](#), S Salari Lak . Factors affecting the severity of traffic accident injuries; a cross-sectional study based on the Haddon matrix . *Trauma Monthly* . 25 (1), 2020; 52-58.

- A Maaroufi, MH Khadem-Ansari, [HR Khalkhali](#), Y Rasmi . Serum levels of bone sialoprotein, osteopontin, and  $\beta$ 2-microglobulin in stage I of multiple myeloma . *Journal of cancer research and therapeutics* .16 (1), 2020; 98-109.
- M Mohamadi, HR Mehryar, [HR Khalkhali](#), S Salari Lak . Effective factors in the occurrence of road accidents in west Azerbaijan, Iran (2010-2016). *Journal of Surgery and Trauma* .7 (4), 2019; 161-169.
- R Bagheri, S Masudi, S Salarilak, K Khademvatani, [HR Khalkhali](#) . Adherence to Hypertension Treatment and its Determinants in Patients Referred to a Tertiary Cardiology Center in Urmia, Iran . *Avicenna Journal of Clinical Medicine*. 26 (2), 2019; 83-92.
- V Alinejad, E Hajizadeh, A Rasekhi, [HR Khalkhali](#) . Evaluation of the Factors Affecting Growth Impairment of Children Aged Below 6 Years by Using Marginal Models . *Iranian Journal of Pediatrics* . 29 (4) ; 2019 ):e90520. doi: 10.5812/ijp.90520.
- N Darabi, M Motazakker, [HR Khalkhali](#), S Yousefi . A multicenter study of  $\beta$ -lactamase-producing Klebsiella pneumoniae isolated from university teaching hospitals of Urmia, Iran . *The Journal of Infection in Developing Countries* . 13 (08),2019; 690-697.
- A Mostafazadeh, I Nozad, [HR Khalkhali](#) . THE EFFECT OF FOOT MASSAGE ALMOND OIL ON THE SEVERITY OF FATIGUE OF HEMODIALYSIS PATIENTS WHO REFERRED TO TEACHING HOSPITAL IN URMIA-2016 . *Nursing And Midwifery Journal* .17 (5),2019; 346-354.
- S Khademvatan, H Majidiani, [H Khalkhali](#), A Taghipour, N Asadi, Prevalence of fasciolosis in livestock and humans: a systematic review and meta-analysis in Iran . *Comparative immunology, microbiology and infectious diseases* . 65, 2019; 116-123.
- H Mohaddesi, MSG Naz, M Najarzadeh, M Yeganehpour, [H Khalkhali](#) . Correlation between Depression with Serum Levels of Vitamin D, Calcium and Magnesium in Women of Reproductive Age. *Journal of caring sciences* . 8 (2), 2019;117-125.
- O Garkaz, S Salari Lak, HR Mehryar, [HR Khalkhali](#) . Study ending of hospitalized traffic accidents injured in Urmia Imam Khomeini hospital by using TRISS method .*Scientific Journal of Forensic Medicine* .25 (1),2019; 23-29.
- Z Behrouzki, R Zohdiaghdam, [HR Khalkhali](#), F Mousavi. Evaluation of gold nanoparticle size effect on dose enhancement factor in megavoltage beam radiotherapy using MAGICA polymer gel dosimeter .*Journal of biomedical physics & engineering* . 9 (1), 2019; 89- 97.
- N Pourbahrami, RS AHANGARZADEH, [H KHALKHALI](#). THE EFFECT OF COGNITIVE-BEHAVIORAL INTERVENTIONS FOR FATIGUE SEVERITY IN PEOPLE WITH MULTIPLE SCLEROSIS . *JOURNAL OF URMIA NURSING AND MIDWIFERY FACULTY* .17 (1114), 2019;41-51.

[HR Khalkhali](#), R Gharaaghaji, R Valizadeh, Z Kousehlou, H Ayatollahi. Ten years' survival in patients with cervical cancer and related factors in West Azerbaijan Province: Using of cox proportion hazard model . *Asian Pacific journal of cancer prevention: APJCP* 20 (5), 2019;1345-1356.

H Marvimilan, I Mohebbi, [H Khalkhali](#), M Hajaghazadeh. An analytical study of musculoskeletal symptoms, demographic characteristics and physical work load among construction workers. *JOURNAL OF HEALTH AND SAFETY AT WORK*. 9 (1), 2019;61-72.

M Hajaghazadeh, H Marvi-Milan, [H Khalkhali](#), I Mohebbi. Assessing the ergonomic exposure for construction workers during construction of residential buildings. *Work*. 2019; 62 (3), 411-419.

S Rabiipoor, M Abedi, E Saboory, [HR Khalkhali](#). Stress during pregnancy affected neonatal outcomes and changed cortisol and leptin levels both in mothers and newborns . *Journal of neonatal-perinatal medicine* .12 (2), 2019; 209-219.

N Najafi, [H Khalkhali](#), FM Tabrizi, R Zarrin .Major dietary patterns in relation to menstrual pain: a nested case control study . *BMC women's health* .18 (1), 2019; 1-7.

H Ghavami, M Radfar, S Soheily, SA Shamsi, [HR Khalkhali](#) . Effect of lifestyle interventions on diabetic peripheral neuropathy in patients with type 2 diabetes, result of a randomized clinical trial . *Turkish Soc Algol* 30 (4), 2018; 165-70.

J Gharehbagh, [H Khalkhali](#). Delayed graft function and its associated risk factors in Imam Khamenei kidney transplantation Unit . *Studies in Medical Sciences*. 29 (6), 2018; 398-410.

N Imani, SA Shams, M Radfar, H Ghavami, [HR Khalkhali](#). Effect of applying reflexology massage on nitroglycerin-induced migraine-type headache: A placebo-controlled clinical trial. *Agri*. 30 (3), 2018; 116-22.

MG Ghojogh, S Salarilak, AT Afshari, [HR Khalkhali](#), Impact of type of donor on graft and patient survival rate in kidney transplanted patients in Iran. *Journal of Renal Injury Prevention*. 7 (4), 2018;264-268.

MG Ghojogh, S Salarilak, AT Afshari, [HR Khalkhali](#). The effect of urinary tract infection on patient and graft survival rate in a group of kidney transplanted patients . *Journal of Renal Injury Prevention* .7 (4), 2018; 292-296.

M Taghizade, I Mohebbi, [H Khalkhali](#), P Ahmadi-Arablu, A Torfeh,. The study of anthropometric dimensions of hand in office staffs in Urmia . *Iranian Journal of Ergonomics* .6 (1), 2018;1-10.

[HR Khalkhali](#), M Foroutan, S Khademvatan, H Majidiani, S Aryamand, Prevalence of cystic echinococcosis in Iran: a systematic review and meta-analysis . *Journal of helminthology* .92 (3), 2018; 260-268.

S Bagherzadeh, N Jabbari, [HR Khalkhali](#). Estimation of lifetime attributable risks (LARs) of cancer associated with abdominopelvic radiotherapy treatment planning computed tomography (CT) simulations . *International journal of radiation biology* . 2018. 94 (5), 454-461.

F Fathi Kordlar, S Ahangarizadeh Rezaei, [HR Khalkhali](#). Prevalence of drug abuse among and factors influencing drug use in urmia's medical sciences university students. *Nursing And Midwifery Journal* . 2018. 15 (12), 888-901.

[HR Khalkhali](#), R Gharaaghaji, MG Ghojogh, R Valizadeh. Factors and prevalence of depression in students at Iran's Urmia University of Medical Sciences . *Internal Medicine and Medical Investigation Journal* .2018.3 (1), 12-16.

R Baqaee, [H Khalkhali](#), P Rezaeifar . Effect of Structured Nursing Education Programs in Prevention of Admitted Patients' Phlebitis. *Preventive Care in Nursing and Midwifery Journal* . 2018.8 (3), 42-50.

[HR Khalkhali](#), R Samarei, SK Alilu, H Habibzadeh, S Rezaei. Modeling factors influence stay duration in unit due to maxillofacial fracture. *Journal of Advanced Pharmacy Education & Research*. Jan-Mar 2018 (1), 37.

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### **III. Abstracts and Presentations:**

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## Interests

Survival Analysis , Multistate Survival Analysis,

Experimental Design and Analysis in Animal and Clinical Study

Categorical Data Analysis