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Publications

1. **Shabnam Mohammadi**, Mansoure Movahedin, Seyed Javad Mowla. Up regulation of Catsper Genes Family by Selenium. *Reproductive Biology and Endocrinology*. 2009; 7(126); 1-6.
2. Mohammad Reza Nikraves, Mehdi Jalali, Abbas Ali Moeen, Mohammad Hassan Karimfar, Shahin Saeidi Nejat, **Shabnam Mohammadi**, Houshang Rafighdoost .The Role of Type IV Collagen in Developing Lens in Mouse Fetuses. *Iranian Journal of Basic Medical Sciences*.2009;158-162.
3. Mohammad Reza Nikraves, Mehdi Jalali, Abbas Ali Moeen, Mohammad Hassan Karimfar, Shahin Saeidi Nejat, **Shabnam Mohammadi**, Houshang Rafighdoost. Pattern of Collagen IV Expression in Glomerular and Mesenchymal. *Journal of Cell and Molecular Research*.2009; 90-95.
4. Jalali Mehdi, Nikraves Mohammad Reza, Moeen Abbas Ali, Karimfar Mohammad Hassan, **Mohammadi Shabnam** , Saidi nejat Shahin, Rafighdoost Houshang . Inductive Role of Type IV Collagen in nephrogenesis. *Urology Journal*. 2009; 4(6):289-294.
5. Kamyar Tavakkoli Tabassi, **Shabnam Mohammadi**. Tunica Vaginalis Flap as a Second Layer in Tubularized Incised Plate Urethroplasty. *Urology Journal*. 2010; 7: 254-257.
6. Kamyar Tavakkoli Tabassi, Aliasghar Yarmohammadi, **Shabnam Mohammadi**. Treatment Urethral Stricture by Triamcinolone Following Internal Urethrotomy. *Urology Journal*. 2011 ; 8:132-136.

7. Mohammad Reza Nikraves, Mehdi Jalali, Abbas Ali Moeen, Mohammad Hassan Karimfar, Shahin Saeidi Nejat, **Shabnam Mohammadi**, Houshang Rafighdoost. An Immunohistochemical study of retinal collagen IV expression during pre and postnatal periods in Balb/C mice. *Yakhteh*, 2011; 12(4): 447-452.
8. Mehdi Jalali, Mohammad Reza Nikraves, Abbas Ali Moeen, Shahin Saeidi Nejat, **Shabnam Mohammadi**, Mohammad Hasan Karimfar. Effects of maternal nicotine exposure in expression of collagen type IV and its roles on pulmonary bronchogenesis and alveolarization in newborn mice. *Iran J Allergy Asthma Immunol*. 2010; 9(3): 169-173.
9. Seyed Kazem Farahmand, Li zhi gang, Seyed Ahmad Saghebi, Maryam Mohammadi, **Shabnam Mohammadi**, Ghazaleh Mohammadi, Gordan A. Ferns, Majid Ghanbar zadeh, Gholamreza Ghayour Razmgah, Zahra Ramazani, and Majid Ghayour-Mobarhan. The Effects of Wet Cupping on Coronary Risk Factors in Patients with Metabolic Syndrome: A Randomized Controlled Trail. *American Journal of Chinese Medicine*. 2012; 40(2):269-277.
10. **Shabnam Mohammadi**, Sohyela Jafarpour. Report of a rare variation of the radial artery. *Journal of cardiovascular and thoracic research*. 2011; 3(1): 45-47.
11. **Shabnam Mohammadi**, Sohyela Jafarpour. Ali Akbar Rajab Zadeh, Fatemeh Alipour, Akram Sadeghi. Variation of the latissimus dorsi muscle: a case report. *Electronic physician*. 2012; 4(1): 451-453.
12. **Shabnam Mohammadi**, Mohammad Reza Nikraves, Mehdi Jalali, Abbas Ali Moeen, Mohammad Hasan Karimfar. Maternal nicotine induces collagen type IV changes in the mice lung parenchyma and its vessels. *Tanaffos journal*, 2011; 10(2), 32-37.
13. Kamyar Tavakkoli Tabassi, Rahim Taghavi, **Shabnam Mohammadi**, Azadeh Attaran, Hoda Yaseri, Amir Golchian . The effect of electroacupuncture on postoperative pain management after inguinal surgery. *Pakistan Journal of Neurological Science* 2011; 6 (4) 12-14.
14. Hassan Boskabadi, Omidian Masoud, Gholamali Maamouri, Majid Ghayour Mobarhan, **Shabnam Mohammadi**. Early Diagnosis of Perinatal Asphyxia by Determining Serum HSP70 level. *Iranian*

Journal of Pediatric, 2015;25(2): e381.

15. Seyed Kazem Farahmand, Li zhi gang, Seyed Ahmad Saghebi, Maryam Mohammadi, **Shabnam Mohammadi**, Ghazaleh Mohammadi, Gordan A. Ferns, Majid Ghanbar zadeh, Gholamreza Ghayour Razmgah, Zahra Ramazani, and Majid Ghayour-Mobarhan. Does Wet Cupping improve Depression and Anxiety? 2011, focus on Alternative and complementary Therapies. 2014;19(2).

16. Mohammad Reza Nikraves, Mehdi Jalali, Abbas Ali Moeen, **Shabnam Mohammadi**, Mohammad Hasan Karimfar. Maternal nicotine exposure-induced collagen pulmonary changes in mouse offspring's. Journal of Cell and Molecular Research .2011; 3 (1), 38-42.

17. Seyed Kazem Farahmand, Li zhi gang, Seyed Ahmad Saghebi, Maryam Mohammadi, **Shabnam Mohammadi**, Ghazaleh Mohammadi, Gordan A. Ferns, Majid Ghanbar zadeh, Gholamreza Ghayour Razmgah, Zahra Ramazani, and Majid Ghayour-Mobarhan. The Effects of Wet Cupping on Serum High-Sensitivity C- Reactive Protein and Heat Shock protein 27 Antibody Titers in Patients with Metabolic Syndrome. Complementary Therapies in Medicine. 2014 Aug; 22(4):640-4.

18. **Shabnam Mohammadi**, Mehdi Jalali, Mohammad Reza Nikraves, Mehran Gholamin, Alireza Fazel, Alireza Ebrahimzadeh, Mojtaba Sankian. Effects of L-carnitine treatment on expression of CatSper proteins in the aging mouse model. European Journal of Experimental Biology, 2013, 3(3):731-735

19. **Shabnam Mohammadi**, Mehdi Jalali., Mohammad Reza Nikraves, Alireza Fazel, Alireza Ebrahimzadeh, Mehran Gholamin, Mojtaba Sankian. Effects of Vitamin E Treatment on CatSper Genes Expression and Sperm Quality in the Testis of the Aging Mouse. Iranian journal of reproductive medicine. 2013; 11(12):989-998.

20. Roya Aryanpour, Seyed Mohammad Reza Parizadeh, Mohsen Moohebat, Shima Tavallaie, Amirhossein Sahebkar, **Shabnam Mohammadi**, Majid Ghayour-Mobarhan, Gordon AA. Ferns. Simvastatin treatment does not significantly affect serum concentrations of Heat shock proteins -60 and -70 in patients with dyslipidemia. Pharmaceutical sciences, 2014; 20, 46-51

21. Mohammad-Ali Kiani, Ahmad Khodadad, Shabnam Mohammadi, Majid Ghayour, Masumeh Saeidi, Seyed Ali Jafari. Effect of peppermint on pediatrics' pain under endoscopic examination of the large bowel. *J HerbMed Pharmacol*. 2013; 2(2): 41-44.
22. Rahim Taghavi, Kamyar Tavakoli Tabasi, Nasser Mogharabian, Akram Asadpour, Amir Golchian, **Shabnam Mohammadi**, and Azade Ataran Kabiri. The Effect of Acupuncture on Relieving Pain after Inguinal Surgeries. *Korean J Pain*. 2013 January; 26(1): 46-50.
23. Mohammad Reza Nikravesh, Mehdi Jalali, Hossein Ali Ghafaripoor, Javad Sanchooli, Darioush Hamidi, **Shabnam Mohammadi**, Masoomeh Seghatoleslam. The role of stem cells in the improvement of brain injuries after hypoxic ischemia. *Electronic physician*, 2012;4(3). 536-544.
24. **Shabnam Mohammadi**, Majid Ghayour Mobarhan, Maryam Mohammadi, Gordon A.A. Ferns. Age and gender are determinants of learning style among Medical Students. *British Journal of Medicine & Medical Research*. 2015; 7(4): 292-298.
25. Mousavi M, Heidari E. Rayman MP, Tara F, Boskabadi H, **Mohammadi S**, Maamouri G, Tavallaie S, Shakeri MT, Ghayour-Mobarhan M and Ferns G. Effects of selenium supplementation on sFlt-1, GPx level and the PAI1/PAI2 ratio in the pregnant women. *Shiraz E Medical Journal*. 2015; 16(3): e21596.
26. **Shabnam Mohammadi**, Hossein Haghiri, Ali Reza Fazel, Abbasali Vafaei. Analysis of Amygdala Nucleus in the Rat Brain: A review study. *Electronic Physician*; 2013; 5(2): 639-642.
27. Mohammad Reza Nikravesh, Mehdi Jalali, Hossein Ali Ghafaripoor, Javad Sanchooli, Darioush Hamidi, **Shabnam Mohammadi**, Masoomeh Seghatoleslam. Therapeutic Potential of Umbilical Cord Blood Stem Cells on Brain Damage of a Model of Stroke. *Journal of Cardiovascular and Thoracic Research*, 2011, 3(4), 121-126.
28. Jalali M, Nikravesh MR, Moeen A.A, **Mohammadi Sh**, Karimfar M.H. Maternal Nexposure on Collagen Type IV Pulmonary Changes in Mouse Offspring's *Journal of Iranian Anatomical Sciences*, Vol 8, Summer

2010, Pages 139-147.

29. Mohammad Ali Kiani, Mehri Nagaphi, Seyed Ali Jafari, Majid Ghayour Mobarhan, **Shabnam Mohammadi**, Masumeh Saeidi, Ebrahim Kiani, Gordon AA Ferns. The Effect of Music on Pain, Anxiety and Vital Signs of Children during Colonoscopy. *Life Science Journal* 2013;10 (12s)31-33.
30. Fatemeh Farahmand, Mohammad Ali Kiani, Homan Alizadeh, Mehrzad Mahdizadeh, Mahin Behjati, Malihe Kadivar, Majid Ghayour Mobarhan, **Shabnam Mohammadi** , Raheleh Jahanbani The Prevalence of Portal Vein Thrombosis Following Umbilical Catheterization in Neonatal Period. *Iranian Journal of Neonatology*. 3(2); 2012; 51-55.
31. Maliheh Keshvari Shirvan, Mohammad Reza Darabi Mahboob, Mehdi Masuminia, **Shabnam Mohammadi**. Pumpkin Seed oil (Prostafit) or Prazosin? Which one is better in the treatment of symptomatic benign prostatic hyperplasia. *Journal of Pakistan Medical Association*. 2014; 64: 683-685.
32. **Shabnam Mohammadi**, Mehdi Jalali, Mohammad Reza Nikraves, Mojtaba Sankian, Mehran Gholamin, Alireza Fazel, Alireza Ebrahimzadeh . Combination of Vitamin E with L-carnitine Increase CatSper Genes Expression in the Aging Mouse Testis. *European Journal of Experimental Biology*, 2013, 3(4):77-83
33. Kamiar Tavakkoli Tabassi, Parisa Amini, **Shabnam Mohammadi**, Rahim Taghavi Razavizadeh, Amir Golchian. The Effect of Acupuncture on Pain Score after Open Kidney Surgery (*Journal of complementary and integrative medicine*. *J Complement Integr Med*. 2015 Sep 1; 12(3):241-4.
34. Shabnam Mohammadi. Effect of Selenium on Neurotoxicity in Adult Male Mice Exposed to Formaldehyde. *Electronic physician*. 2014; 6(4): 939-943.
35. Shabnam Mohammadi. Protective Effect of N-Acetyl Cysteine Against Formaldehyde-Induced Neuronal Damage in Cerebellum of Mice. *Pharmaceutical sciences*, 2014, 20, 61-65
36. Shabnam Mohammadi, Elaheh Zamani, Zohreh Mohadeth, Faezeh Mogtahedi, Hamideh Chopan,

Farzaneh Moghimi, Maryam Mohammadi, Mehdi Karimi, Hossein Abtahi, Kamyar Tavakkoli, Fatemeh Mohammadzadeh, Hamed Biglari, Ali Delshad, Majid Ghayour-Mobarhan, Gordon AA. Ferns. Alireza Mohammadzadeh. Effects of different doses of simvastatin on lead-induced kidney damage in Balb/c male mice. *Pharmaceutical Sciences*, March 2015, 20, 157-162.

Publications In Persian

1. The effects of Selenium on changes in sperm antioxidant capacity in old and adult rats
2. The effect of acupuncture on pain during extracorporeal shock wave lithotripsy- a clinical trial
3. Study of Basement Membrane Type IV Collagen Appearance in the Brain Choroids Plexus of Mouse Fetuses
4. Antioxidant Effects of Selenium on Sperm Parameters and Testicular Structure in Young and Aged Mice
5. The effect of onion crude extract on the testis of the mouse
6. Effects of Selenium on CatSper Expression in Aged Mouse Testis
7. Immunohistochemical Study of Type IV Collagen during Lens Development
8. The outcome hypospadias repair using Snodgrass method with tunica vaginalis flap.
9. Epidemiologic study 2000 infertile males in urology clinic of Imam Reza hospital of Mashhad
10. Investigation of the Effects of Acupuncture on Pain Following Inguinal Surgery
11. The key role of type IV collagen in developing retinal basement membrane in mouse.
12. Ethics in midwifery
13. The effect of supermint oral drop (peppermint essence) on the patients' pain and their satisfaction after colonoscopy
14. The study of upper gastrointestinal endoscopy in patients with

inflammatory bowel disease and ulcerative colitis

15. Effect Supermint oil (peppermint oil) on children's pain during Colonoscopy
16. Maternal Nicotine exposure on Collagen Type IV Pulmonary Changes in Mouse Offspring's
17. The effect of supermint oral drop (peppermint essence) on the patients' pain and their satisfaction after colonoscopy
18. The Effect of Voiding Position on Uroflowmetric Parameters in Patients Who Candidate for Uroflowmetry Lower Urinary Track Symptoms
19. Hypochondriasis and related factors in population of 20-50 years old in Gonabad city
20. Morphometric study of testis tissue and spermatogenesis following carnitine administration in diabetic rat induced with stereopticon
21. Effect of treatment with different doses of manganese on lead toxification in kidney glomerular of the adult male mice
22. Frequency of Work Injuries of Needle Stick among Personnel in Sina Hospital in 2011
23. Effects of drug substance crystal (methamphetamine) on histopathology and biochemical parameters of kidney in adult male mice
24. Investigation patients with urinary stones from the aspect of epidemiologic parameters admitted at urology department of Imam Reza Hospital
25. The Effect of EMLA Cream on Pain Score during Extracorporeal Shock Wave Lithotripsy in Patients with Kidney Stones
26. The demand ratio and effective agents in blood transfusion in patients undergoing prostate surgery
27. Measurement serum level of PSA in fresh and freezed blood samples
28. Investigation of the Effect of Voiding Position on Uroflometric Parameters and Voiding Residue in Health Volunteers in Imam Reza Hospital, Mashhad, Iran

29. Effectiveness of Medicinal herbs in the treatment of kidney and urinary tract diseases from the viewpoints of Islamic medicine

30. Using grafts for vaginal reconstruction

31. Protective effects of hydro-alcoholic extract of *Allium cepa* on biochemical and morphometric parameters in kidney of formaldehyde induced mice

32. Effect of different doses of N-acetyl cysteine on biochemical and histopathological parameters in kidney of formalin-treated mice

Abstracts In Seminars

1) The effect of Selenium on sperm parameters in aging male mice. 13th Annual Meeting of the Middle East Fertility Society, Aqaba, Jordan, 2006.

2) Effects Selenium on Sperm Parameters and Catsper Expression in Aging Mouse Testis. 2th yazd International Student Award and Congress in Reproductive Medicine.2007.

3) The effect of maternal nicotine administration on collagen type IV changes and its effects on pulmonary bronchogenesis and alveolarization in mouse. APCAACI congress, 2010.

4) The effect of Maternal nicotine administration on collagen type IV changes and its effects on pulmonary bronchogenesis and Alveolarization in mouse newborns. The 8th Asia Pacific Congress of Allergy, Asthma and Clinical Immunology (APCAACI), November 2010 Singapore.

5) Collagen Type IV Expression During Mouse Lens Development. 9th Iranian Congress of anatomical Sciences, May 2010, Hamadan, Iran

6) Study of basement membrane type IV collagen appearance in brain chroids plexus of mouse fetuses. 9th Iranian Congress of Anatomical Sciences, May 2010, Hamedan, Iran.

7) Collagen Type IV Normal Appearance in Glomerular Basement Membrane of Balb/c Mice. The 9th Iranian Congress of anatomical Sciences, May 2010, Hamadan, Iran

- 8) Collagen expression during mouse kidney tubulogenesis, 9th Iranian Congress of anatomical Sciences, May 2010, Hamadan, Iran.
- 9) The Comparison of the Level of the Heat Shock Protein 70 Between Neonate with Perinatal Asphyxia and Healthy Neonate. International Congress of Biochemistry, Mashhad, Iran, 2011.
- 10) The improvement of antioxidant status in mice sperm following sodium selenite treatment. International Congress of Biochemistry, Mashhad, Iran, 2011.
- 11) The Effects of Wet Cupping on Coronary Risk Factors of Patients with Metabolic Syndrome: A Randomized Controlled Trail. International Congress of biochemistry, Mashhad, Iran, 2011.
- 12) Does alpha-tocopherol and L-carnitine increase CatSper expression in aging mouse testis 2013, Yazd, Iran.
- 13) Effects of different doses of crystal methamphetamine on sperm parameters and CatSper1 gene expression in male Balb/c mice. The 7th national congress on addiction sciences. September 2013, Tehran, Iran.

Reviewer

- Iranian Biomedical Journal
- Pharmaceutical Sciences
- Quarterly of Horizon of Medical Sciences
- The Journal of medical education and development
- Iranian Journal of Diabetes and Lipid Disorders
- Razi Journal of Medical Sciences
- Ilam University of Medical Science
- Journal of Shahrekord University of Medical Sciences
- Medical Journal of Tabriz University of Medical Science & Health Service
- Birjand University of Medical Sciences