

CURRICULUM VITAE

First name: Shaghayegh

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Data of Birth: 25.04. 1978

Place of Birth: Isfahan, Iran

Sex: Female

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Nationality: Iranian

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Education

University:

- 1- Ph.D of Cardio vascular Physiology, Isfahan University of Medical Sciences (2007)
- 2- M.D, Isfahan University of Medical Sciences. (2002)

Employer:

- 1- Professor of Physiology.
- 2- Vice chancellor of research Isfahan University of Medical Sciences
- 3- Head of National Elite foundation, Isfahan branch.
- 4- Head of Health Technology Development Office.
- 5- Head of Applied physiology research center
- 6- Deputy of Isfahan office of National Talented Institute
- 7- Vice deputy of general practitioner education in medical school
- 8- Head of Faculty Evaluation committee of Isfahan medical school
- 9- Head of Basic Research Council of Isfahan University of Medical Sciences.
- 10- Head of Biomedical Publication Committee of Applied physiology research center
- 11- Head of school of Advanced Thechnologies in Medicine of Isfahan University of Medical Sciences.
- 12- Edithor in cheif of Advanced Biomedical Research journal
- 13- Head of Health Technology development of the University of Medical Sciences

Awards:

- 1- Young Scientist Grant of FEBS Society2010
- 2- Travel Award of ISA 2009, XV congress of atherosclerosis. Boston,USA
- 3- Award for Distinguished postgraduate student in PhD students of Isfahan university of medical sciences 2008
- 4- Travel Award of 5th International Society for Stem Cell Research,Queenslan, Australia, June 17-20, 2007.
- 5- Award for distinguished research projects in Isfahan university of medical sciences 1998
- 6- Award for Top researchers in Isfahan province ,2012.

Book:

1. Mesenchymal Stem Cells Isolation from Human Tissues: Methods and Protocols.2017
2. A Guid to Method Selection in Biomedical Research, Iran, 2008.
3. Medical Science Olympiad Concepts, Disciplines and Methods in University Context Iran, 2008.
4. How do the cells talk to each other? Iran,2012
5. An acquaintance with the system of the medical signal recording in laboratory animals attitude on blood pressure.Iran ,2012

Detail on my career and opportunities for research over the last 5 years

I was the head of APRC during last 5 years in wich I have the opportunity to supervise (24) medical doctorate thesis, (6) Pharm D thesis, (18) Msc thesis and (8) PhD thesis.

Furthermore, I had trained at least 56 researchers .I have organaized several local, national and international workshops in field of molecular medicine.

Recent significant publications:

1. Hovsepian, Silva; **Javanmard, Shaghayegh Haghjooy**; Mansourian, Malian; et al. Relationship of lipid regulatory gene polymorphisms and dyslipidemia in a pediatric population: the CASPIAN III study. HORMONES-INTERNATIONAL JOURNAL OF ENDOCRINOLOGY AND METABOLISM 2018:1, 97-105 .
2. . Hovsepian, Silva; Javanmard, **Shaghayegh Haghjooy**; Mansourian, Marjan; et al. Lipid regulatory genes polymorphism in children with and without obesity and cardiometabolic risk factors: The CASPIAN-III study. JOURNAL OF RESEARCH IN MEDICAL SCIENCES 2018:11.
3. Kelishadi, Roya; Hovsepian, Silva; **Javanmard, Shaghayegh Haghjooy**. A Systematic Review of Single Nucleotide Polymorphisms Associated With Metabolic Syndrome in Children and Adolescents.. JOURNAL OF PEDIATRICS REVIEW 2018:1, e10536 .
4. Ebrahimi, Homa; **Javanmard, Shaghayegh Haghjoo**; Asgary, Sedigheh; et al. Opium Addiction and Ischemic Stroke in Isfahan, Iran: A Case-Control Study. EUROPEAN NEUROLOGY . 2018:1-2,: 82-85 .
5. Hovsepian, Silva; **Javanmard, Shaghayegh Haghjooy**; Mansourian, Marjan; et al..Interaction of GCKR, MLXIPL and FADS genes polymorphisms with obesity in the occurrence of childhood metabolic syndrome . WORLD FAMILY MEDICINE 2018:1,Pages: 20-28
6. Ghahremani, Fatemeh; Shahbazi-Gahrouei, Daryoush; Kefayat, Amirhosein; **Javanmard, Shaghayegh Haghjooy** et al. AS1411 aptamer conjugated gold nanoclusters as a targeted radiosensitizer for megavoltage radiation therapy of 4T1 breast cancer cells . RSC ADVANCES 2018:8 ,4249-4258 .
7. Safaeian, L.; Yaghoobi, S.; **Javanmard, S. H.**; et al.The effect of hydroalcoholic extract of *Otostegia persica* (Burm.) Boiss. against H2O2-induced oxidative stress in human endothelial cells . RESEARCH JOURNAL OF PHARMACOGNOSY 2017:1, 51-58

8. Zarrin, Bahare; Zarifi, Farzane; Vaseghi, Golnaz; **Javanmard, S. H.** et al .Acquired tumor resistance to antiangiogenic therapy: Mechanisms at a glance.. JOURNAL OF RESEARCH IN MEDICAL SCIENCES 2017:22.
9. Vaseghi, Golnaz; Taki, Mohamad Javad; **Javanmard, Shaghayegh Haghjooy** .Standardized Cannabis sativa extract attenuates tau and stathmin gene expression in the melanoma cell line.IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES 2017:20: 10, 1178-1181 .
10. Reisi, Parham; Sepahvand, Fatemeh; Zarei, Ghasem; **Javanmard, S. H.** et al. Effects of amitriptyline and fluoxetine on synaptic plasticity and TNF-alpha level at hippocampus of streptozotocin-induced diabetic rats. PHYSIOLOGY AND PHARMACOLOGY 2017:21:137-146
11. Dana, Nasim; Tajaddini, Mohammad Hasan; **Javanmard, Shaghayegh Haghjooy;** et al. Cannabis sativa Extract Reduces Cytoskeletal Associated Proteins in Breast Cancer Cell Line INTERNATIONAL JOURNAL OF CANCER MANAGEMENT 2017: 10, 5474 .
12. The Effect of Duloxetine on Tau Protein and Migration in Breast Cancer Cell Line. Zarrin, Bahareh; **Javanmard, Shaghayegh Haghjooy;** Samani, Fariba; et al. INTERNATIONAL JOURNAL OF CANCER MANAGEMENT 2017:5:e6422.
13. Rafiee, Laleh; Hajhashemi, Valiollah; **Javanmard, Shaghayegh Haghjooy** .In vitro and in vivo modulation of LPS and carrageenan-induced expression of inflammatory genes by amitriptyline. JOURNAL OF PHARMACY & PHARMACOGNOSY RESEARCH 2017:3 144-155 .
14. Gharipour, Mojgan; Sadeghi, Masoumeh; Salehi, Mansour; **Javanmard, S. H.** et al. Association of expression of selenoprotein P in mRNA and protein levels with metabolic syndrome in subjects with cardiovascular disease: Results of the Selenogene study JOURNAL OF GENE MEDICINE 2017:2 e2945.
15. Vaseghi, Golnaz; Rafiee, Laleh; **Javanmard, Shaghayegh Haghjooy** .Non-viral Delivery Systems for Breast Cancer Gene Therapy.. CURRENT GENE THERAPY 2017(2):17. 147-153 .
16. M Behjati, M Hashemi, M Kazemi, M Salehi, **SH Javanmard**. Evaluation of Energy Balance on Human Telomerase Reverse Transcriptase (hTERT) Alternative Splicing by Semi-quantitative RT-PCR in Human Umbilical Vein Endothelial Cells. Adv Biomed Res. 2017 Apr 17;6:43.
17. MF Bafghi, SS Eshraghi, M Mohsenikia, S Khakpour, Z Azizian, **SH Javanmard** . Nocardia Isolation of Soil. Advanced Biomedical Research 2017.6 (1), 1.
18. R Kelishadi, M Hashemipour, B Esteki, MH Tajadini, L Rafiei, ME Motlagh, **SH Javanmard**. Relationship of lipoprotein lipase gene variants and fasting triglyceride levels in a pediatric population: The CASPIAN-III study. Adv Clin Exp Med. 2017 Jan-Feb;26(1):77-82.
19. S Seifabadi, G Vaseghi, **SH Javanmard**, E Omid, M Tajadini, B Zarrin. The cytotoxic effect of memantine and its effect on cytoskeletal proteins expression in metastatic breast cancer cell line. Iran J Basic Med Sci. 2017 Jan;20(1):41-45.
20. S Moein, **SH Javanmard**, M Abedi, MH Izadpanahi, Y Gheisari. Identification of Appropriate Housekeeping Genes for Gene Expression Analysis in Long-term Hypoxia-treated Kidney Cells. Adv Biomed Res. 2017 Feb 22;6:15.
21. Rafiee, V Hajhashemi, **SH Javanmard**. In vitro and in vivo modulation of LPS and carrageenan-induced expression of inflammatory genes by amitriptyline. Journal of Pharmacy & Pharmacognosy Research 5 (3), 144-155.

22. The effect of hydroalcoholic extract of *Otostegia persica* (Burm.) Boiss. against H₂O₂-induced oxidative stress in human endothelial cells. L Safaeian, S Yaghoobi, **SH Javanmard**, N Ghasemi-Dehkordi. *Research Journal of Pharmacognosy (RJP)* 4 (1), 51-58
23. **Javanmard SH**, Heshmat-Ghahdarijani K, Mirmohammad-Sadeghi M, Sonbolestan SA, Ziayi A. The effect of melatonin on endothelial dysfunction in patient undergoing coronary artery bypass grafting surgery. *Adv Biomed Res.* 2016 Nov 28;5:174.
24. Alasvand M, **Javanmard SH**, Rashidi B, Khazaei M. Myocardial capillary density after neuropeptide Y antagonist administration in normal and high-fat diet C57BL6 mice. *Adv Biomed Res.* 2016 Oct 26;5:165.
25. Safaeian L, Sajjadi SE, **Javanmard SH**, Montazeri H, Samani F. Protective effect of *Melissa officinalis* extract against H₂O₂-induced oxidative stress in human vascular endothelial cells. *Res Pharm Sci.* 2016 Oct;11(5):383-389.
26. Haghdoost F, Baradaran Mahdavi MM, Zolfaghari B, Sanei MH, Najafi S, Zandifar A, Manouchehri N, **Javanmard SH**. The effect of *Quercus brantii* gall extract on burn wound healing in rat. *Iran J Basic Med Sci.* 2016 Oct;19(10):1144-1150.
27. Safaeian, Leila; Hajhashemi, Valiollah; **Javanmard, Shaghayegh Haghjooy**; et al. The Effect of Protocatechuic Acid on Blood Pressure and Oxidative Stress in Glucocorticoid-induced Hypertension in Rat. *Iranian Journal of Pharmaceutical Research* (2016), 15 (Special issue): 83-91
28. Rafiee L, Hajhashemi V, **Javanmard SH**. Fluvoxamine inhibits some inflammatory genes expression in LPS/stimulated human endothelial cells, U937 macrophages, and carrageenan-induced paw edema in rat. *Iran J Basic Med Sci.* 2016 Sep;19(9):977-984.
29. Farhang A, **Javanmard SH**, Mehvari J, Zare M, Saadatnia M. Inflammation and endothelium response in epileptic patients: A case-control study. *Adv Biomed Res.* 2016 Aug 30;5:131.
30. Amjadi F, Mehdipoor R, Zarkesh-Esfahani H, **Javanmard SH**. Leptin serves as angiogenic/mitogenic factor in melanoma tumor growth. *Adv Biomed Res.* 2016 Jul 29;5:127.
31. **Haghjooy Javanmard S**, Anari J, Zargar Kharazi A, Vatankhah E. In vitro hemocompatibility and cytocompatibility of a three-layered vascular scaffold fabricated by sequential electrospinning of PCL, collagen, and PLLA nanofibers. *J Biomater Appl.* 2016 Sep;31(3):438-49
32. Ghomi, Hamed; Emadi, Rahmatollah; **Javanmard, Shaghayegh Haghjooye**. Fabrication and characterization of nanostructure diopside scaffolds using the space holder method: Effect of different space holders and compaction pressures . *MATERIALS & DESIGN* . MAY 5 2016.
33. Poursafa, Parinaz; Baradaran-Mahdavi, Sadegh; Moradi, Bitan; **javanmard sh** ,et al. The relationship of exposure to air pollutants in pregnancy with surrogate markers of endothelial dysfunction in umbilical cord. *ENVIRONMENTAL RESEARCH* . APR 2016
34. Ghomi, Hamed; Emadi, Rahmatollah; **Javanmard, Shaghayegh Haghjooye**. Preparation of nanostructure bioactive diopside scaffolds for bone tissue engineering by two near net shape manufacturing techniques. *MATERIALS LETTERS* . MAR 15 2016
35. Mirzaei, H.; Sahebkar, A.; Jaafari, M. R. **Javanmard sh** .; et al. PiggyBac as a novel vector in cancer gene therapy: current perspective. *CANCER GENE THERAPY* FEB-MAR 2016

36. Jafari, Tina; Faghihimani, Elham; Feizi, Awat; **Javanmard sh** et al. Effects of vitamin D-fortified low fat yogurt on glycemic status, anthropometric indexes, inflammation, and bone turnover in diabetic postmenopausal women: A randomised controlled clinical trial. *CLINICAL NUTRITION* . FEB 2016.
37. Dana, Nasim; **Javanmard, Shaghayegh Haghjooy**; Rafiee, Laleh. Role of peroxisome proliferator-activated receptor alpha and gamma in antiangiogenic effect of pomegranate peel extract. *IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES*. JAN 2016.
38. Varshosaz, Jaleh; **Javanmard, Shaghayegh Haghjooy**; Soghrati, Sahel; et al. Magnetic chondroitin targeted nanoparticles for dual targeting of montelukast in prevention of in-stent restenosis. *RSC ADVANCES* . 2016.
39. Amjadi, Fatemehsadat; Aflatoonian, Reza; Javanmard, **Shaghayegh Haghjoo**; et al. Apolipoprotein A1 as a novel anti-implantation biomarker in polycystic ovary syndrome: A case-control study. *JOURNAL OF RESEARCH IN MEDICAL SCIENCES* . NOV 2015.
40. Naghitorabi M, Mohammadi-Asl J, Sadeghi HM, Rabbani M, Jafarian-Dehkordi A, **Javanmard SH**. Quantitation of CDH1 promoter methylation in formalin-fixed paraffin-embedded tissues of breast cancer patients using differential high resolution melting analysis. *Adv Biomed Res*. 2016 May.
41. Hasanpour Z, **Javanmard SH**, Gharaaty M, Sadeghi M. Association between serum myeloperoxidase levels and coronary artery disease in patients without diabetes, hypertension, obesity, and hyperlipidemia.. *Adv Biomed Res*. 2016 Jun
42. . Rafiee L, Hajhashemi V, **Javanmard SH**. Maprotiline inhibits LPS-induced expression of adhesion molecules (ICAM-1 and VCAM-1) in human endothelial cells *Res Pharm Sci*. 2016 Mar.
43. Behfarnia P, Saied-Moallemi Z, **Javanmard SH**, Naseri R. Serum, saliva, and GCF concentration of RANKL and osteoprotegerin in smokers versus nonsmokers with chronic periodontitis. *Adv Biomed Res*. 2016 Apr
44. Rafiee L, Shokouh P, Roohafza H, Mansourian M, **Javanmard SH**. Association of glutathione S-transferases M1 and T1 gene polymorphisms with the risk of metabolic syndrome in an Iranian population. *Adv Biomed Res*. 2016 Mar.
45. jafari T, Askari G, Mirlohi M, **Javanmard SH**, Faghihimani E, Fallah AA. Stability of Vitamin D3 in fortified yoghurt and yoghurt drink (Doogh). *Adv Biomed Res*. 2016 Mar
46. Varshosaz J, Taymouri S, Hassanzadeh F, **Javanmard SH**, Rostami M. Self-assembly micelles with lipid core of cholesterol for docetaxel delivery to B16F10 melanoma and HepG2 cells. *J Liposome Res*. 2015 Jun
47. Varshosaz J, Taymouri S, Hassanzadeh F, **Javanmard SH**, Rostami M. Self-assembly micelles with lipid core of cholesterol for docetaxel delivery to B16F10 melanoma and HepG2 cells. *J Liposome Res*. 2015 Jun
48. AG Safaeian, **SH Javanmard**, L MH Vahidian. The effect of hydroalcoholic extract of *Ferula foetida* stems on blood pressure and oxidative stress in dexamethasone-induced hypertensive rats. *Research in Pharmaceutical Sciences* 2015.10 (4), 326-334.
49. S Taymouri, J Varshosaz, F Hassanzadeh, **SH Javanmard**, N Dana. Optimisation of processing variables effective on self-assembly of folate targeted Synpronic-based micelles for docetaxel delivery in melanoma cells. *IET Nanobiotechnology*.2015/14Agu.
50. N Safaeian, **SH Javanmard**, L H Namvar. Antihypertensive and antioxidant effects of a hydroalcoholic extract obtained from aerial parts of *Otostegia persica* (Burm.) Boiss. *Research in Pharmaceutical Sciences* 2015.10 (3), 192-199.
51. S Zandifar, M Tajaddini, A Zandifar, F Haghdoost, **SH Javanmard**. Prevalence of genetic polymorphism rs11568817 in the promoter region of the gene 5-HTR1B in migraine patients compared with controls. *CEPHALALGIA*.2015, 35, 259-259.
52. B Dehghan, MR Sabri, **SH Javanmard**, AR Ahmadi, M Mansourian. Neurally mediated syncope: Is it really an endothelial dysfunction? *Anatol J Cardiol* 2015; 15.

53. L Safaeian, G Asghari, **SH Javanmard**, A Heidarinejad. The effect of hydroalcoholic extract from the leaves of *Moringa peregrina* (Forssk.) Fiori. on blood pressure and oxidative status in dexamethasone-induced hypertensive rats *Adv Biomed Res.* 2015 May 11;4:101.
54. A Omid, B Eghbali, **SH Javanmard**, V Ashoorion. General practitioners' encounters in rural and urban care centers in Isfahan with gynecological/obstetric and pediatric diseases. *Journal of education and health promotion* .2015.
55. Sabri MR, Zolfi-Gol A, Ahmadi A, **Haghjooy-Javanmard S**. Effect of Tadalafil on Myocardial and Endothelial Function and Exercise Performance After Modified Fontan Operation. *Pediatr Cardiol.* 2015
56. Alasvand M, Rashidi B, **Haghjooy Javanmard S**, Khazaei M. Effect of blockade of neuropeptide Y receptor on aortic intima-media thickness and adipose tissue characteristics in normal and obese mice. *Iran J Basic Med Sci.* 2015 May;18(5):443-8.
57. Mostafavi N, **Haghjooy-Javanmard S**, Presidend N, Manssori NS, Kelishadi R .Persistence of endothelial cell damage late after Kawasaki disease in patients without coronary artery complications. *Adv Biomed Res.* 2015 Jan 30;4:25.
58. Shajarian M, Rafiee L, Najj-Esfahani H, **Haghjooy-Javanmard S**, Nizal S. Association of RBP4 gene variants with adverse lipid profile and obesity *Gene.* 2015 Apr 25;561(1):1-5.
59. Bahrambeigi V, Ahmadi N, Moisyadi S, Urschitz J, Salehi R, **Haghjooy Javanmard S**. PhiC31/PiggyBac modified stromal stem cells: effect of interferon γ and/or tumor necrosis factor (TNF)-related apoptosis-inducing ligand (TRAIL) on murine melanoma. *Mol Cancer.* 2014 Nov 26;13:255.
60. Bahrambeigi V1, Ahmadi N, Salehi R, **Javanmard SH**. Genetically modified murine adipose derived mesenchymal stem cells producing interleukin-2 favors B16F10 melanoma cell proliferation. *Immunol Invest.* 2015;44(3):216-36.
61. Dana N, **Haghjooy Javanmard S**, Laleh Rafiee Role of Peroxisome Proliferator-activated Receptor alpha and gamma in Antiangiogenic Effect of pomegranate peel extract.. *Iran J Basic Med Sci.* 2015. In press.
62. Sima Seifabadi, **Shaghayegh Haghjooy-Javanmard**. The Inhibitory Effect of Hydroalcoholic Extract of Black Punica Granatum Pericarp on Melanoma Tumor Angiogenesis through PPAR α and PPAR γ Pathways in C57BL6 Mice . *Journal of Isfahan Medical School.* 2015: 33(331), 3rd Week.
63. Sima Seifabadi , Laleh Rafiee , Hajar Najj Esfahani , **Shaghayegh Haghjooy Javanmard**. The Inhibitory Effect of Hydroalcoholic Extract of Black Punica Granatum Pericarp on the Number of Endothelial Progenitor Cells (EPCs) in Melanoma through Peroxisome Proliferator-Activated Receptor- α and γ (PPAR- α and γ) Pathways in C57BL6 Mice . *Journal of Isfahan Medical School.* 2015: 33(334), 2nd Week.
64. N Dana, **Sh Haghjooy javanmard**, L Rafiee. Antiangiogenic and antiproliferative effects of black pomegranate peel extract on melanoma cell line. *Research in Pharmaceutical Sciences,* April 2015; 10(2): 117-124.
65. Mohammad Bagher Tavakoli, Majid Kheirollahi, Ali Kiani, Mohamma Kazemi, Shaghayegh **Haghjooy Javanmard**, Leili Mohebat. Annexin V FITC conjugated as a radiation toxicity indicator in lymphocytes following radiation overexposure in radiotherapy programs. *Adv Biomed Res* 2015 4;4:119.
66. Khazaei M, Kalantari E, Saeidi H, ShabaniKia N, Tahergorabi Z, Rashidi B, Dana N, **Javanmard SH**. Gamma-secretase inhibitor does not modulate angiogenesis in colon adenocarcinoma in obese mice. *Bratisl Lek Listy.* 2015;116(4):248-51.
67. Fatemeh Hendijani, **Shaghayegh Haghjooy Javanmard**, Hojjat Sadeghi-aliabadi. Human Wharton's jelly mesenchymal stem cell secretome display antiproliferative effect on leukemia cell line and produce additive cytotoxic effect in combination with doxorubicin. *Tissue Cell* 2015 Jun 31;47(3):229-34
68. Jaleh Varshosaz, Somayeh Taymouri, Farshid Hassanzadeh, **Shaghayegh Haghjooy Javanmard**, Mahboobeh Rostami. Folated synperonic-cholesteryl hemisuccinate polymeric

- micelles for the targeted delivery of docetaxel in melanoma. *Biomed Res Int* 2015 8;2015:746093.
69. Athar Omid, Batool Eghbali, **Shaghayegh Haghjooy Javanmard**, Vahid Ashoorion. General practitioners' encounters in rural and urban care centers in Isfahan with gynecological/obstetric and pediatric diseases. *J Educ Health Promot* 2015 27;4:22.
 70. Kiyan Heshmat-Ghahdarjani, **Shaghayegh Haghjooy Javanmard**, Seyed Ali Sonbolestan, Mohammad Saadatnia, Seyed Ahmad Sonbolestan. Endothelial Function in Patients with Migraine without Aura during the Interictal Period. *Int J Prev Med* 2015 15;6.
 71. Fatemeh Golzar, **Shaghayegh Haghjooy Javanmard**. The effects of kisspeptin-10 on migration and proliferation of endothelial cell. *Adv Biomed Res* 2015 11;4:41.
 72. Tina Jafari, Elham Faghihimani, Awat Feizi, Bijan Iraj, **Shaghayegh Haghjooy Javanmard**, Ahmad Esmailzadeh, Aziz A Fallah, Gholamreza Askari. Effects of vitamin D-fortified low fat yogurt on glycemic status, anthropometric indexes, inflammation, and bone turnover in diabetic postmenopausal women: A randomised controlled clinical trial. *Clin Nutr* 2015 Mar
 73. Alireza Zandifar, Sima Seifabadi, Ehsan Zandifar, Sajedeh Sohrabi Beheshti, Abolfazl Aslani, **Shaghayegh Haghjooy Javanmard**. Comparison of the effect of topical versus systemic L-arginine on wound healing in acute incisional diabetic rat model. *J Res Med Sci* 2015 Mar;20(3):233-8.
 74. Alireza Zandifar, Niloufar Iraj, Maryam Taheriun, Mohamadhasan Tajaddini, **Shaghayegh Haghjooy Javanmard**. Association of the long pentraxin PTX3 gene polymorphism (rs3816527) with migraine in an Iranian population. *J Neurol Sci* 2015 Feb 16;349(1-2):185-9.
 75. Fatemeh Golzar, **Shaghayegh Haghjooy Javanmard**, Vahid Bahrambeigi, Laleh Rafiee. The effect of Kisspeptin-10 on mesenchymal stem cells migration in vitro and in vivo. *Adv Biomed Res* 2015 30;4:20.
 76. Nasser Mostafavi, Shaghayegh **Haghjooy-Javanmard**, Nahid President, Nayereh Siyah Manssori, Roya Kelishadi. Persistence of endothelial cell damage late after Kawasaki disease in patients without coronary artery complications. *Adv Biomed Res* 2015 30;4:25.
 77. Shaghayegh Haghjooy Javanmard, Tayebeh Shahsavarzadeh, Mohammad Saadatnia. Low levels of tissue factor pathway inhibitor increase the risk of cerebral venous thrombosis. *Adv Biomed Res* 2015 6;4.
 78. Sahar Salehi, Mohammadhossein Fathi, Shaghayegh **Haghjooy Javanmard**, Farnaz Barneh, Mona Moshayedi. Fabrication and characterization of biodegradable polymeric films as a corneal stroma substitute. *Adv Biomed Res* 2015 6;4.entire
 79. Hendijani F, Sadeghi-Aliabadi H, **Haghjooy Javanmard S**. Comparison of human mesenchymal stem cells isolated by explant culture method from entire umbilical cord and Wharton's jelly matrix. *Cell Tissue Bank*. 2014 Dec;15(4):555-65.
 80. Bahrami E, Mirmoghtadaee P, Ardalan G, Zarkesh-Esfahani H, Tajaddini MH, **Haghjooy-Javanmard S**, Najafi H, Kelishadi R. Insulin and leptin levels in overweight and normal-weight Iranian adolescents: The CASPIAN-III study. *J Res Med Sci*. 2014 May;19(5):387-90.
 81. **Haghjooy-Javanmard S**, Sadeghi M, Safavi S, Gheraati M, Dana N. Prognostic value of the high-mobility group box-1 in young patients with chest pain. *ARYA Atheroscler*. 2014 May;10(3):154-8.
 82. Gheissari A, Roomizadeh P, Kelishadi R, Abedini A, **Haghjooy-Javanmard S**, Abtahi SH, Mehdikhani B. Comparison of the performance of the updated Schwartz, combined Schwartz and the Grubb glomerular filtration rate equations in a general pediatric population. *Saudi J Kidney Dis Transpl*. 2014 Sep;25(5):1004-10.
 83. Pestechian N, Hosseini Safa A, Tajedini M, Rostami-Nejad M, Mousavi M, Yousofi H, **Haghjooy Javanmard S**. Genetic diversity of *Echinococcus granulosus* in center of Iran. *Korean J Parasitol*. 2014 Aug;52(4):413-8.

84. Kelishadi R, **Haghjooy Javanmard S**, Tajadini MH, Mansourian M, Motlagh ME, Ardalan G, Ban M. Genetic association with low concentrations of high density lipoprotein-cholesterol in a pediatric population of the Middle East and North Africa: The CASPIAN-III study. *Atherosclerosis*. 2014 Sep 23;237(1):273-278.
85. Nilforoushzadeh MA, **Javanmard SH**, Ghanadian M, Asghari G, Jaffary F, Yakhdani AF, Dana N, Fatemi SA. The Effects of *Adiantum capillus-veneris* on Wound Healing: An Experimental In Vitro Evaluation. *Int J Prev Med*. 2014 Oct;5(10):1261-8.
86. Zarei G, Reisi P, Alaei H, **Javanmard SH**. Effects of amitriptyline and fluoxetine on synaptic plasticity in the dentate gyrus of hippocampal formation in rats. *Adv Biomed Res*. 2014 Sep 30;3:199.
87. Haghdoost F, **Javanmard SH**, Keyhanian K, Samety AA, Loghmani P, Rafiei L, Sarrafzadegan N. Association of heme oxygenase-1 gene promoter polymorphism and blood pressure in an Iranian population. *Intern Med J*. 2014 Sep;44(9):931-2.
88. Hoseini SG, **Javanmard SH**, Hejazi SH, Rafiei L, Zarkesh SH, Karbalaii K, Khamesipour A. Comparison of immune regulatory factors in acute and chronic lesions of cutaneous leishmaniasis due to *Leishmania major*. *J Res Med Sci*. 2014 Mar;19(Suppl 1):S36-40.
89. Asgary S, Keshvari M, Afshani MR, Amiri M, Laher I, **Javanmard SH**. Effect of fresh orange juice intake on physiological characteristics in healthy volunteers. *ISRN Nutr*. 2014 Mar 4;2014:405867.
90. Rafee L, Abedini M, **Javanmard SH**, Sarrafzadegan N, Mansourian M. Association of GSTT1 and GSTM1 polymorphisms with blood pressure: A Bayesian modeling of continuous data. *J Res Med Sci*. 2014 Mar;19(3):200-4.
91. Moghaddasi M, **Javanmard SH**, Reisi P, Tajadini M, Taati M. The effect of regular exercise on antioxidant enzyme activities and lipid peroxidation levels in both hippocampi after occluding one carotid in rat. *J Physiol Sci*. 2014 Sep;64(5):325-32.
92. Naji-Esfahani H, Zamani M, Marandi SM, Shaygannejad V, **Javanmard SH**. Preventive Effects of a Three-month Yoga Intervention on Endothelial Function in Patients with Migraine. *Int J Prev Med*. 2014 Apr;5(4):424-9.
93. Zarfeshany A, Asgary S, **Javanmard SH**. Potent health effects of pomegranate. *Adv Biomed Res*. 2014 Mar 25;3:100.
94. Tajadini M, Panjehpour M, **Javanmard SH**. Comparison of SYBR Green and TaqMan methods in quantitative real-time polymerase chain reaction analysis of four adenosine receptor subtypes. *Adv Biomed Res*. 2014 Feb 28;3:85.
95. Zandifar A, Soleimani S, Irajii N, Haghdoost F, Tajaddini M, **Javanmard SH**. Association between promoter region of the uPAR (rs344781) gene polymorphism in genetic susceptibility to migraine without aura in three Iranian hospitals. *Clin Neurol Neurosurg*. 2014 May;120:45-8.
96. Salmasi M, Amini L, **Javanmard SH**, Saadatnia M. Metabolic syndrome in migraine headache: A case-control study. *J Res Med Sci*. 2014 Jan;19(1):13-7.
97. Mansourian M, **Javanmard SH**. Adiponectin gene polymorphisms and susceptibility to atherosclerosis: A meta-analysis. *J Res Med Sci*. 2013 Jul;18(7):611-6. Review.
98. Zandifar A, Taheriun M, Soleimani S, Haghdoost F, Tajaddini M, **Javanmard SH**. Investigation of chemokine receptor CCR2V64I gene polymorphism and migraine without aura in the Iranian population. *ScientificWorldJournal*. 2013 Dec 25;2013:836309.
99. Omid Khoshnoud, Mohammad Hassan Tajaddini, Mahin Hashemipour, Mansour Salehi, Awat Feizi, **Shaghayegh Haghjooy Javanmard**, Roya Kelishadi, Silva Hovsepian, Masoud Amini, R434X Mutation in Dual Oxidase 2 Gene among Patients with Permanent and Transient Congenital Hypothyroidism, *Journal of Isfahan Medical School*, Vol. 30, No. 211, 1st week, January 2013
100. Gheissari A, Kelishadi R, Roomizadeh P, Abedini A, **Haghjooy-Javanmard S**, Abtahi SH, Mehdikhani B, Shafiei M. Chronic Kidney Disease Stages 3-5 in Iranian Children: Need for a

- School-based Screening Strategy: The CASPIAN-III Study. *Int J Prev Med.* 2013 Jan;4(1):95-101.
101. **Haghjooy Javanmard S**, Ziaei A, Ziaei S, Ziaei E, Mirmohammad-Sadeghi M. The effect of preoperative melatonin on nuclear erythroid 2-related factor 2 activation in patients undergoing coronary artery bypass grafting surgery. *Oxid Med Cell Longev.* 2013;2013:676829.
 102. Sarrafzadegan N, Rabiei K, Nouri F, Mohammadifard N, Moattar F, Roohafza H, **Haghjooy Javanmard S**, Zarfeshani S, Pourmoghaddas M. Parental perceptions of weight status of their children. *ARYA Atheroscler.* 2013 Jan;9(1):61-9.
 103. Motaghi M, **Haghjooy Javanmard S**, Haghdoost F, Tajadini M, Saadatnia M, Rafiee L, Zandifar A. Relationship between vitamin D receptor gene polymorphisms and migraine without aura in an Iranian population. *Biomed Res Int.* 2013;2013:351942.
 104. Emadi-Baygi M, Nikpour P, Mohammad-Hashem F, Maracy MR, **Haghjooy-Javanmard S**. MSI2 expression is decreased in grade II of gastric carcinoma. *Pathol Res Pract.* 2013 Nov;209(11):689-91.
 105. Barneh F, Moshayedi M, Mirmohammadsadeghi H, **Haghjooy-Javanmard S**, Sabzghabae AM, Badri S. EphB4 tyrosine kinase stimulation inhibits growth of MDA-MB-231 breast cancer cells in a dose and time dependent manner. *Dis Markers.* 2013;35(6):933-8.
 106. Alireza Zandifar, Maryam Taheriun, Samira Soleimani, Faraidoon Haghdoost, Mohamadhasan Tajaddini, and **Shaghayegh Haghjooy Javanmard**, Investigation of Chemokine Receptor CCR2V64I Gene Polymorphism and Migraine without Aura in the Iranian Population. *The Scientific World Journal Volume 2013 (2013)*, Article ID 836309, 5 pages
 107. Amir Mohammad Ghanei1, Mohammad Saadatnia MD2, **Shaghayegh Haghjooy Javanmard**, Effects of Opium Addiction on Vascular Endothelium, *Journal of Isfahan Medical School*, Vol. 30, No. 216, 2nd Week, February 2013
 108. H Mir Mohammad Sadeghi, M Rabbani, A Jafarian-Dehkordi, **S Haghjooye Javanmard**, Quantitative evaluation of DNMT3B promoter methylation in breast cancer patients using differential high resolution melting analysis, Vol 8, No 3 (2013)
 109. Sahar Salehi1, Mohammadhossein Fathi1, **Shaghayegh Haghjooy Javanmard**, Thomas Bahners2, Jochen S. Gutmann, Süleyman Ergün, Klaus P. Steuhl8, Thomas A. Fuchsluger Generation of PGS/PCL Blend Nanofibrous Scaffolds Mimicking Corneal Stroma Structure Article first published online: 19 JUL 2013
 110. Leila Dehghani, Rokhsareh Meamar, , Gholamreza Askari,3 Fariborz Khorvash, Vahid Shaygannejad, Azam Foroughi Pour, and **Shaghayegh Haghjooy Javanmard** ,The Effect of Pioglitazone on the Alzheimer's Disease-Induced Apoptosis in Human Umbilical Vein Endothelial Cells, *Int J Prev Med.* 2013 May; 4(Suppl 2): S205–S210.
 111. Mostofizade N, Nikpour P, **Javanmard SH**, Emadi-Baygi M, Miranzadeh-Mahabadi H, Hovsepian S, Hashemipour M. The G395R Mutation of the Sodium/Iodide Symporter (NIS) Gene in Patients with Dysmorphogenetic Congenital Hypothyroidism. *Int J Prev Med.* 2013 Jan;4(1):57-62.
 112. Dana N , **Javanmard SH**, Fazilati M, and . Pilehvarian A A. A comparison of peroxisome proliferator-activated receptor- α agonist and antagonist on human umbilical vein endothelial cells angiogenesis, *Adv Biomed Res.* 2013; 2: 54
 113. **Shaghayegh Haghjooy Javanmard**, Mohsen Mirmohammad-Sadeghi, Seyed Mohammad Hashemi-Jazi, Hooria Seyedhosseini Ghaheh, Azam Mosayebi ,Correlation of C-Reactive Protein (CRP) in Blood and the Atherosclerotic Plaque and its Severity in Patients with

- Diabetes Mellitus Undergoing Coronary Artery Bypass Graft Surgery, Journal of Isfahan Medical School Vol. 31, No. 228, 2nd Week, May 2013
114. Gheissari A, **Javanmard SH**, Shirzadi R, Amini M, Khalili N, Lowering effect of valsartan on fetuin-A in type 1 diabetes mellitus, Iran J Kidney Dis. 2013 Nov;7(6):440-5
 115. Nizal Sarrafzadegan, Katayoun Rabiei, Fatemeh Nouri, Noushin Mohammadifard, Fariborz MoattarHamidreza Roohafza, **Shaghayegh Haghjooy Javanmard**, Sonia Zarfeshani, and Masoud Pourmoghaddas, Parental perceptions of weight status of their children, ARYA Atheroscler. 2013 January; 9(1): 61–69.
 116. Mahsa Gharzi,¹ Hamid R. D. Dolatabadi,² Parham Reisi,^{3,4} and **Shaghayegh H. Javanmard**, Effects of different doses of doxepin on passive avoidance learning in rats, Adv Biomed Res. 2013; 2: 66.
 117. **Shaghayegh Haghjooy Javanmard**, Seyed Ali Sonbolestan, Kiyam Heshmat, The Effect of Enalapril on Anti-inflammatory Cytokines in Patients with Migraine: A Double-Blind, Randomized Clinical Trial, Journal of Isfahan Medical Vol. 31, No. 232, 2nd Week, June 2013
 118. Mahsa Gharzi, Hamid R. D. Dolatabadi, Parham Reisi, and **Shaghayegh H. Javanmard** Effects of different doses of doxepin on passive avoidance learning in rats, Adv Biomed es. 2013; 2: 66.
 119. Kelishadi R, Hashemi M, **Javanmard SH**, Mansourian M, Afshani M, Poursafa P, Sadeghian B, Fakhri M. Effect of particulate air pollution and passive smoking on surrogate biomarkers of endothelial dysfunction in healthy children. Paediatr Int Child Health. 2013 Nov 6
 120. Haghdoost F, Baradaran Mahdavi MM, Zandifar A, Sanei MH, Zolfaghari B, **Javanmard SH**. Pistacia atlantica Resin Has a Dose-Dependent Effect on Angiogenesis and Skin Burn Wound Healing in Rat. Evid Based Complement Alternat Med. 2013;2013:893425. Oct 27
 121. Alaleh Gheisari, Mohammadreza Sabri, Hamidreza Pirpiran, **Shaghayegh Haghjooy Javanmard**. Evaluation of Blood Pressure Changes Using Ambulatory Blood Pressure Monitoring (ABPM) in Children Undergoing Kidney Transplantation and its Relationship with Left Ventricular Mass Index, and Level of Serum Angiotensin and Atrial Natriuretic Peptide, Journal of Isfahan Medical School, Vol 29, No 162 2nd week, January 2012
 122. **Javanmard S.H.** · Shahsavarezadeh T. · Saadatnia M. Soluble Thrombomodulin and Endothelial Cell Protein C Receptor Levels in Patients with Cerebral Venous and Sinus Thrombosis Eur Neurol 2013;70:156-158 .
 123. Daryoush Shahbazi-Gahrouei, Zeinab Ghasemian¹, Mohammad Abdolahi², Sohrab Manouchehri, **Shaghayegh haghjooy Javanmard** and Nasim Dana, In vitro Evaluation of Cobalt-Zinc Ferrite Nanoparticles Coated with DMSA on Human Prostate Cancer Cells, Mol Biomark Diagn 2013, 4:3
 124. Marjan Mansourian, **Shaghayegh Haghjooy Javanmard**, Adiponectin gene polymorphisms and susceptibility to atherosclerosis: A meta analysis, Journal of Research in Medical Sciences July 2013.
 125. Kamyar Hemat¹, **Shaghayegh Haghjooy Javanmard**, Mohammad Saadatnia, Laleh Rafiee, Alireza Zandifar, Mohamadhasan Tajaddini, Genetic Polymorphisms of C677T MTHFR Gene in Migraine Patients Compared with Controls, Journal of Isfahan Medical School Vol. 30, No. 214, 4th week, January 2013
 126. Seyed Ali Sonbolestan, Kiyam Heshmat¹, **Shaghayegh Haghjooy Javanmard**, Mohammad Saadatnia³ Efficacy of Enalapril in Migraine Prophylaxis: A Randomized, Double-blind,

- Placebo-controlled Trial, *International Journal of Preventive Medicine*, Vol 4, No 1, January, 2013.
127. Rokhsareh Meamar, Leila Dehghani, Majid Ghasemi, Mohamad Saadatnia, Keivan Basiri, Nazanin Alaei Faradonbeh⁴, **Shaghayegh Haghjooy Javanmard**, Enalapril protects endothelial cells against induced apoptosis in Alzheimer's disease in vitro, *J RES MED SCI*, Supplement 1 March 2013.
 128. Mehdi Ghoreishian, DDS, MSc, Majid Rezaei, DDS, Batoul Hashemi Beni, PhD, **Shaghayegh Haghjooy Javanmard**, MD, PhD, Bijan Movahedian Attar, DDS, MSc, and Haidar Zalzali, DDS, Facial Nerve Repair With Gore-Tex Tube and Adipose-Derived Stem Cells: An Animal Study in Dogs, *J ORAL MAXIL SURG*, 71:577-587, 2013
 129. Mahdi Khorshidi-Behzadi, Houman Alimoradi b, **Shaghayegh Haghjoo-Javanmard**, Mohammad Reza Sharifi Nastaran Rahimi d, Ahmad Reza Dehpour, The effect of chronic hyperthyroidism and restored euthyroid state by methimazole therapy in rat small mesenteric arteries *European Journal of Pharmacology* 701 (2013) 20–26
 130. Zahra Sadat Mortazavi, **Shaghayegh Haghjooy Javanmard** MD, PhD, Maryam Motamer, Saeideh Bahrani¹, Farid Nasr Esfahani, The Effect of Testosterone on the Amount of Platelet Derived Growth Factor and Stromal Cell-Derived Factors-1 Alpha in Bone Marrow of Male Wistar Rats, *Journal of Isfahan Medical School*, Vol. 30, No. 220, 2nd Week, March 2013
 131. Mostofizade N, Nikpour P, **Javanmard SH**, Emadi-Baygi M, Miranzadeh-Mahabadi H, Hovsepian S, Hashemipour M The G395R Mutation of the Sodium/Iodide Symporter (NIS) Gene in Patients with Dyshormonogenetic Congenital Hypothyroidism. *Int J Prev Med*. 2013 Jan;4(1):57-62.
 132. Alaleh Gheissari, Roya Kelishadi, Peyman Roomizadeh, Amin Abedini, **Shaghayegh Haghjooy- Javanmard**, Seyed-Hossein Abtahi, Bahareh Mehdikhani, Mohammad Shafiei, Chronic Kidney Disease Stages 3-5 in Iranian Children: Need for a School-based Screening Strategy: The CASPIAN-III Study, *International Journal of Preventive Medicine*, Vol 4, No 1, January, 2013
 133. Sedigheh Asgary, Amirhossein Sahebkar, Mohammad Reza Afshani, Mahtab Keshvari, **Shaghayegh Haghjooyjavanmard**, and Mahmoud Rafieian-Kopaei, Clinical Evaluation of Blood Pressure Lowering, Endothelial Function Improving, Hypolipidemic and Anti-Inflammatory Effects of Pomegranate Juice in Hypertensive Subjects. *Phytother Res*. 2013 Mar 21
 134. Borujeny, Alireza Khadivi; Marandi, Mohammad; Javanmard, **Shaghayegh Haghjooy**; Rajabi, Hamid; Burojeny, Zahra Khadivi; Behzadi, Mahdi Khorshidi, Effect of Eight Weeks of Resistance Training on Some Signaling Factors Affecting on the Satellite Cells in Wistar Rats, *SOURCE. Journal of Isfahan Medical School*; 12/3/2012, Vol. 30 Issue 207
 135. SH Hejazi, SG Hoseini, **SH Javanmard**, SH Zarkesh, A Khamesipour Interleukin-10 and Transforming Growth Factor- β in Early and Late Lesions of Patients with Leishmania major Induced Cutaneous Leishmaniasis, *Iranian Journal of Parasitology* 2012;7(3) : 16-23
 136. Moloud Ahmadi, Nafise Nili, **Shaghayegh Haghjooy Javanmard**, Hajar Najji, Ebrahim Sayed Tabatabaei, Pomegranate Peel Extract Supplementation Increases the Number of Endothelial Progenitor Cells and Attenuates the Development of Atherosclerosis Plaque, *Journal of Isfahan Medical School*, Vol. 30, No. 194, 4th week, August 2012 Received: 13.3.2012
 137. **Shaghayegh Haghjooy Javanmard**, Mahdi Khorshidi Behzadi², Fatemehsadat Amjadi MSc, Majid Khazaei, Hamid Zarkesh Esfahani, Leptin Enhances Melanoma Tumor Growth by

Increasing Endothelial Progenitor Cells, Journal of Isfahan Medical School Vol 29, No 170, 2nd week, March 2012

138. Shervin G. Hoseini, **Shaghayegh H. Javanmard**, Sayyed H. Zarkesh, 1 Ali Khamesipour, Laleh Rafiei, 1 Khadijeh Karbalaie, 3 Mohamadali Nilforoushzade, 4 Mehdi Baghaei, 6 and Seyed H. Hejazi Regulatory T-cell profile in early and late lesions of cutaneous leishmaniasis due to *Leishmania major*, J Res Med Sci. 2012 June; 17(6): 513–518
139. Alian Z, Hashemipour M, Dehkordi EH, Hovsepian S, Amini M, Moadab MH, **Javanmard SH**. The effects of folic acid on markers of endothelial function in patients with type 1 diabetes mellitus. Med Arh. 2012;66(1):12-5.
140. Khazaei M, Salehi E, Rashidi B, **Javanmard SH**, Fallahzadeh AR. Role of peroxisome proliferator-activated receptor β agonist on angiogenesis in hindlimb ischemic diabetic rats. J Diabetes Complications. 2012 Mar;26(2):137-40. Epub 2012 Mar 29.
141. Zandifar E, Sohrabi Beheshti S, Zandifar A, **Haghjooy Javanmard S**. The effect of captopril on impaired wound healing in experimental diabetes. Int J Endocrinol. 2012;2012:785247.
142. **Haghjooy Javanmard S**, Saadatnia M M, Homayouni V V, Nikoogoftar M M, Maghzi AH, Etemadifar M, Chaitanya VG, McGee JC, Minagar A, Alexander JS. Interferon-beta-1b protects against multiple sclerosis-induced endothelial cells apoptosis. Front Biosci (Elite Ed). 2012 Jan 1;4:1368-74.
143. Nikpour P, Emadi-Baygi M, Mohammad-Hashem F, Maracy MR, **Haghjooy-Javanmard S**. Differential expression of ZFX gene in gastric cancer. J Biosci. 2012 Mar;37(1):85-90.
144. Hashemipour M, Abari SS, Mostofizadeh N, **Haghjooy-Javanmard S**, Esmail N, Hovsepian S, Masoud A, Kelishadi R, Hasanzadeh A, Mirouliaei M. The role of maternal thyroid stimulating hormone receptor blocking antibodies in the etiology of congenital hypothyroidism in Isfahan, Iran. Int J Prev Med. 2012 Feb;3(2):128-33.
145. Gheissari A, **Javanmard SH**, Shirzadi R, Amini M, Khalili N. The effects of blocking Angiotensin receptors on early stages of diabetic nephropathy. Int J Prev Med. 2012 Jul;3(7):477-82.
146. Ghanadian SM, Ayatollahi AM, Afsharypour S, **Javanmard SH**, Dana N. New mirsinane-type diterpenes from *Euphorbia microsciadia* Boiss. with inhibitory effect on VEGF-induced angiogenesis. J Nat Med. 2012 Jul 15.
147. Alipour SH, Rabbani H, Akhlaghi M, Dehnavi AM, **Javanmard SH**. Analysis of foveal avascular zone for grading of diabetic retinopathy severity based on curvelet transform. Graefes Arch Clin Exp Ophthalmol. 2012 Jul 4
148. Ghoreishian M, Rezaei M, Beni BH, **Javanmard SH**, Attar BM, Zalzali H. Facial Nerve Repair With Gore-Tex Tube and Adipose-Derived Stem Cells: An Animal Study in Dogs. J Oral Maxillofac Surg. 2012 Aug 3.
149. Nasim Dana, **Shaghayegh Haghjooy Javanmard**, Mohammad Fazilati, Ali Asghar Pilehvarian. Anti-angiogenic effects of pomegranate peel extract (*Punica Granatum L.*) on human umbilical vein endothelial cells. Journal of Isfahan Medical School, Vol. 30, No. 195, 1st week, September 2012
150. N. Dana, **Sh. Haghjooy Javanmard**, S. Asgary, H. Asnaashari, N. Abdian. Anti-atherosclerotic effects of Aloe vera in hypercholesterolemic rabbits. J Babol Univ Med Sci. 2012 J Babol Univ Med Sci.

151. M. Naderi Maralani¹, A. Movahedian, **Sh. Haghjooy Javanmard**, Antioxidant and cytoprotective effects of L-Serine on human endothelial cells ,Research in Pharmaceutical Sciences November 2012; 7(4):209-215
152. **Shaghayegh Haghjooy Javanmard**, Zahra Hasanpour, Zahra Abbaspoor, Gholam A. Naderian¹, Mehdi Jahanmard, Aqueous concentrations of VEGF and soluble VEGF receptor-1 in diabetic retinopathy patients Journal of Research in Medical Sciences , December 2012
153. **Haghjooy Javanmard Sh.**, Dana N., Saadatnia M., Maghzi A.H., Homayouni V., Etemadifar M., Minagar A., Naji Esfahani H ,Effect of the sera of patients with multiple sclerosis on apoptosis and nitric oxide production of endothelial cells, Journal of Kerman University of Medical Sciences, Vol. 19, No. 6, November, December 2012
154. Bahrani S.,**Javanmard S. H.**,Mortazavi Z. S.,Motamer M.,Esfahani F. N. Effects of testosterone on the number of circulating endothelial progenitor cells in wistar rats .Journal of Isfahan Medical School, Vol. 30, No. 203, 1st week, November 2012
155. **Shaghayegh Haghjooy Javanmard**, Mehdi Nematbakhsh², Azam Feghhi¹ and Nasim Dana, Hyperinsulinemia may have a protective role in the early stages of atherosclerosis in rabbit model of hypercholesterolemia ,Journal of Diabetes and Metabolic Disorders ,2012, 11:5
156. Moloud Ahmadi, Nafise Nili, **Shaghayegh Haghjooy Javanmard**,Hajar Naji, Ebrahim Sayed Tabatabaei, Pomegranate peel extract supplementation increases the number of endothelial progenitor cells and attenuates the development of atherosclerosis plaque , Journal of Isfahan Medical School, Vol. 30, No. 194, 4th week, August 2012
157. Shervin G. Hoseini, **Shaghayegh H. Javanmard**, Sayyed H. Zarkesh¹, Ali Khamesipour, Laleh Rafiei¹, Khadijeh Karbalaie, Mohammadali Nilforoushzade, Mehdi Baghaei, Seyed H. Hejazi, Regulatory T-cell profile in early and late lesions of cutaneous leishmaniasis due to Leishmania major, J RES MED SCI , Vol. 30, No. 194, 4th week, August 2012
158. Zahra Hasanpour, **Shaghayegh Haghjooy Javanmard** , Zahra Abbaspoor, Gholam Ali Naderian, Mehdi Jahanmard, Relationship between Macular Thickness and the Ratio of Vascular Endothelial Growth Factor to Its Soluble Receptor 1 in Non-Proliferative Diabetic Retinopathy , Journal of Isfahan Medical School, Vol. 30, No. 206, 4th week, November 2012
159. Nasim Dana, **Shaghayegh Haghjooy Javanmard**, Sedigheh Asgary, Hossein Asnaashari,Narges Abdian, ,The effect of Aloe vera leaf gel on fatty streak formation in hypercholesterolemic rabbits ,J RES MED SCI , May 2012
160. **Shaghayegh Haghjooy Javanmard**, Nasim Dana. The effect of interferon γ on endothelial cell nitric oxide production and apoptosis. Advanced Biomedical Research,april-june2012/vol 1/issu2
162. Maryam Motamer, **Shaghayegh Haghjooy Javanmard**, Farid Nasr Esfahani,Zahra Sadat Mortazavi, Saeideh Bahrani, The Effect of Testosterone on the Amount of Nitric Oxide and Stromal Cell-derived Factor-1 α in Peripheral Circulation of Female Wistar Rats, Journal of Isfahan Medical School, Vol. 30, No. 210, 4th week, December 2012
163. Alaleh Gheissari, **Shaghayegh H Javanmard**¹, Roohollah Shirzadi, Masood Amini, Nooshin Khalili, The effects of blocking Angiotensin receptors on early stages of diabetic nephropathy. International Journal of Preventive Medicine, Vol 3, No 7, July 2012

164. Ferdous Mehrabian, Sayed Mohammad Hashemi Jazi, **Shaghayegh Haghjooy Javanmard**, Mahshid Kaviani, and Vida Homayouni ,Circulating endothelial cells (CECs) and E-selectin: Predictors of preeclampsia J Res Med Sci. 2012 January; 17(1): 15–21.
165. Hashemipour M, Dehkordi EH, **Javanmard SH**, Hovsepian S, Moaddab MH, Kelishadi R, Aghanouri Z, Tavalalian H, Salekardestani M, Amini M. Von Willebrand Factor, and Soluble Intercellular and Vascular Cell Adhesion Molecules as Indices of Endothelial Activation in Patients with Congenital Hypothyroidism. Horm Res Paediatr. 2011 Jul 7.
166. **Javanmard SH**, Keyhanian K, Loghmani P, Samety AA, Haghdoost F, Rafiei L, Talaei M, Asgari S, Jazi MH, Sarrafzadegan N. Association between hemeoxygenase-1 gene promoter polymorphisms and metabolic syndrome in Iranians. Mol Biol Rep. 2011 Jul 3.
167. **Javanmard SH**, Sonbolestan SA, Heshmat-Ghahdarijani K, Saadatnia M, Sonbolestan SA. Enalapril improves endothelial function in patients with migraine: A randomized, double-blind, placebo-controlled trial. J Res Med Sci. 2011 Jan;16(1):26-32.
168. Amjadi F, **Javanmard SH**, Zarkesh-Esfahani H, Khazaei M, Narimani M. Leptin promotes melanoma tumor growth in mice related to increasing circulating endothelial progenitor cells numbers and plasma NO production. J Exp Clin Cancer Res. 2011 Feb 21;30:21.
169. Poursafa P, Kelishadi R, Lahijan-zadeh A, Modaresi M, **Javanmard SH**, Assari R, Amin MM, Moattar F, Amini A, Sadeghian B. The relationship of air pollution and surrogate markers of endothelial dysfunction in a population-based sample of children. BMC Public Health. 2011 Feb 18;11:115.
170. Rostampour N, TajaddiniM, Hashemipour M, Salehi M, Feizi A, **Javanmard SH**, Kelishadi R, Saneian H, Hovsepian S, Amini M. The Mutation of Dual Oxidase 2 (DUOX2) Gene among Patients with Permanent and Transient Congenital Hypothyroidism. Journal of Isfahan Medical School 2011; Vol 29, No 139: 3rd week July 2011
171. Shamsavarzadeh T., **Javanmard S.H.**, Saadatnia M. Impact of Factor VIII and von Willbrand Factor Plasma Levels on Cerebral Venous and Sinus Thrombosis: Are Independent Risk Factors? European Neurology 2011. Sep 30;66(4):243-246
172. Khazaei M, Fallahzadeh AR, Sharifi MR, Afsharmoghaddam N, **Javanmard SH**, Salehi E. Effects of diabetes on myocardial capillary density and serum angiogenesis biomarkers in male rats. Clinics (Sao Paulo). 2011;66(8):1419-24.
173. Hashemipour M, Dehkordi EH, **Javanmard SH**, Hovsepian S, Moaddab MH, Kelishadi R, Aghanouri Z, Tavalalian H, Salekardestani M, Amini M. Von Willebrand factor, and soluble intercellular and vascular cell adhesion molecules as indices of endothelial activation in patients with congenital hypothyroidism. Horm Res Paediatr. 2011;76(2):99-103.
174. **Javanmard SH**, Keyhanian K, Loghmani P, Samety AA, Haghdoost F, Rafiei L, Talaei M, Asgari S, Jazi MH, Sarrafzadegan N. Association between heme oxygenase-1 gene promoter polymorphisms and metabolic syndrome in Iranians. Mol Biol Rep. 2011 Jul 3.
175. **Javanmard SH**, Rabbani H. Interdisciplinary researches in iran. J Med Signals Sens. 2011 May;1(2):89-90. PubMed PMID: 22606662.
176. Mosayebi A, **Javanmard SH**, Mirmohamadsadeghi M, Rajabi R, Mostafavi S, Mansourian M. The effects of cardiac tertiary prevention program after coronary artery bypass graft surgery on health and quality of life. Int J Prev Med. 2011 Oct;2(4):269-74.
177. Khalilian MR, Sabri MR, Nikyar A, **Javanmard SH**. Relationship between echocardiographic findings and laboratory serum biomarkers in patients with and without low cardiac output. J Res Med Sci. 2011 Nov;16(11):1397-404

178. Parinaz Poursafa, Roya Kelishadi, Faramarz Moattar, Laleh Rafiee, Mohammad Mehdi Amin, Ahmadreza Lahijan-zadeh, **Shaghayegh Haghjooy Javanmard**. Genetic variation in the association of air pollutants with a biomarker of vascular injury in children and adolescents in Isfahan, Iran, *JRMS* 2011; 16(6): 733-740
179. Mohammad Reza Khalilian, Mohammad Reza Sabri, Abdolrasoul Nikyar, and **Shaghayegh Haghjooy Javanmard** ,Relationship between echocardiographic findings and laboratory serum biomarkers in patients with and without low cardiac output *J Res Med Sci*. 2011 November; 16(11): 1397–1404.
180. Hossein Rabbani1 and **Shaghayegh Haghjooy Javanmard**, Image analysis in In Vivo Stem Cell Tracking *Annual Review & Research in Biology*, ISSN: 2231-4776, Vol.: 1, Issue.: 4 (October-December)
181. Ahmadi m., **haghjooy javanmard sh.**, nili n., *biochemistry*:p-2: proteomic analysis of atherosclerosis, *cell journal (yakhteh) winter 2011*; 12(supplement 1)
182. Jazi SM, Shafiei S, Zarkesh-Esfahani SH, Maleki Vareki S, **Javanmard SH** ,The effects of bare metal versus drug-eluting stent implantation on circulating endothelial cells following percutaneous coronary intervention. *J Res Med Sci*. 2011 May;16(5):605-10.
183. Parinaz Poursafa, Roya Kelishadi, Faramarz Moattar, Laleh Rafiee, Mohammad Mehdi Amin, Ahmadreza Lahijan-zadeh, and **Shaghayegh Haghjooy Javanmard** ,Genetic variation in the association of air pollutants with a biomarker of vascular injury in children and adolescents in Isfahan, Iran *J Res Med Sci*. 2011 June; 16(6): 733–740.
184. Kheradmand E., M. Saadatnia, S. **Haghjooy Javanmard**, Evaluation of factor V Leiden's contributing role in activated protein C resistance among Iranian patients with cerebral venous thrombosis, *May 30, 2011*, 17:15 - 18:15
185. **Haghjooy Javanmard S**, Gheisari Y, Soleimani M, Nematbakhsh M, Monajemi A. Effect of L-arginine on circulating endothelial progenitor cells in hypercholesterolemic rabbits. *Int J Cardiol*. 2010 Aug 20;143(2):213-6.
186. Hosseini M, **Haghjooy Javanmard Sh**, Nematbakhsh M. Late treatment with l-arginine increases 8-isoprostaglandin f2 α and oxidized LDL in hypercholesterolemic rabbits. *ARYA Atherosclerosis Journal* 2010, 5(4): 167-174
187. Assari A, Modarresi MR, **Haghjooy Javanmard Sh**, Poursafa P, Kelishadi R. The Relationship between Air Pollution and Serum Level of Thrombomodulin and Tissue Factor in a Representative Sample of Adolescents Aged 10-18 Years in Isfahan, Iran. *Journal of Isfahan medical school*. Vol 28, No 109: September 2010
188. **Haghjooy Javanmard Sh.** , Omid A., Effect of group teaching on information retention, educational strategies in medical education, Volume 2, Number 4 (2010).
189. Mansourian M, **Javanmard SH**, Poursafa P, Kelishadi R. Air Pollution and Hospitalization for Respiratory Diseases Among Children in Isfahan, Iran. *Ghana Medical Journal* 2010 Dec;44(4):138-43.
190. **Haghjooy javanmard Sh**, Nematbakhsh M, Soleimani M. Serum VEGF, nitrite concentration and fatty streaks in early stage of atherosclerosis in rabbits. *Pakistan journal of nutrition* 2009; 8 (1): 86-89
191. **Haghjooy Javanmard S**, Nematbakhsh M, Sanei MH. Early prevention by L-Arginine attenuates coronary atherosclerosis in a model of hypercholesterolemic animals; no positive results for treatment. *Nutr Metab (Lond)*. 2009 Mar 24;6:13.

192. **Haghjooy Javanmard S**, Nematbakhsh M, Mahmoodi F, Mohajeri MR. L-Arginine supplementation enhances eNOS expression in experimental model of hypercholesterolemic rabbits aorta. *Pathophysiology*. 2009 Jun;16(1):9-13.
193. Nematollahi S, Nematbakhsh M, **Haghjooyjavanmard S**, Khazaei M, Salehi M. Inducible nitric oxide synthase modulates angiogenesis in ischemic hindlimb of rat. *Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub*. 2009 Jun;153(2):125-9.
194. Asgary S, **Haghjooyjavanmard S**, Setorki M, RafieianM, Haghighi S, Eidi A , Haeri Rohani A. The postprandial effect of apple juice intake on some of the biochemical risk factors of atherosclerosis in male rabbit. *Journal of Medicinal Plants Research*, October, 2009; 3(10): 785-790.
195. Pourmoghadas M , Nourmohamamadi H, Tabesh F, **Haghjooyjavanmard S**, Tabesh E. effect of enhanced external counter pulsation on plasma level of nitric oxide and vascular endothelial growth factor. *ARYA Atherosclerosis Journal* 2009, 5(2): 59-63.
196. **Shaghayegh Haghjooy Javanmard**, Ali Moeiny, Quantitative immunohistochemistry by measuring chromogen signal strength using a C# written program, *JRMS* 2009; 14(3): 201-203
197. Nematbakhsh M, Heydarzadeh Z, Borjian L, **Haghjooyjavanmard Sh**. Low dose of L-arginine does not change endothelial permeability of aorta and coronary arteries in rat. *Pakistan journal of nutrition* 2008, 7(1):126-129
198. **Haghjooyjavanmard Sh**, Nematbakhsh M, Monajemi A. L arginine supplementation influenced nitrite but not nitrate and total nitrite in rabbit model of hypercholesterolemia. *Iranian biomedical journal* 2008; 12(3):179-84.
199. **Haghjooyjavanmard Sh**, Nematbakhsh M. Endothelial Function and Dysfunction: Clinical Significance and Assessment. *Journal of Research in Medical Sciences* 2008; 13(4): 207-21
200. Nematbakhsh M, **Haghjooyjavanmard S**, Mahmoodi F, Monajemi AR. The prevention of endothelial dysfunction through endothelial cell apoptosis inhibition in a hypercholesterolemic rabbit model: the effect of L-arginine supplementation. *Lipids Health Dis*. 2008 Aug 2;7(1):27.
201. Nematbakhsh M, **Haghjooyjavanmard S**, Mahmoodi F, Monajemi AR The effect of L-arginine on serum lipids and nitrite levels, and number of apoptotic cells, iNOS and eNOS expressions of aorta after formation of fatty streaks in rabbit. *J. Appl. Biomed* 2008; 6(4): 203-210.
202. Fatehi F, Hadadgar A, Changiz T, Shahkarami A, Kianmehr G, **haghjooyjavanmard Sh**, Monajemi A. Determing and prioritizing admission criteria for talented students' office in Isfahan University of Medical Sciences using analytical hierarchy process model. *Iranian journal of medical education*. 2007 spring and Summer 7(1):101-107.
203. **Haghjooyjavanmard Sh**, Nematbakhsh M, Monajemi A, Soleimani M. The effect of L-arginine supplementation on VEGF concentration in a cholesterol rich diet withdrawal model, *Arya Atherosclerosis journal* 2007, 3(2): 72-76.
204. **haghjooy javanmard sh**,nematbakhsh mahdi,monajemi a.r.,soleymani masoudeffect of l-arginine supplementation on the concentration of vascular endothelial growth factor in a cholesterol-rich diet withdrawal model *arya atherosclerosis* issn: 1735-3955 date: 2007 volume: 3

205. Nematbakhsh M, **Haghjooyjavanmard Sh**, Etamidifar M, Saboori M. Spectrophometry of CerebroSpinal Fluid may facilitate the diagnosis in Neurological patients, JRMS, 2006; 11(2): 122-3.

A statement on your most significant contributions to the research field of this Proposal :

Our research group focused on endothelial cell biology and endothelial function including angiogenesis for several years. We also were interested in endothelial dysfunction in chronic inflammatory states such as atherosclerosis and Diabetes Mellitus and cancer. Interestingly all the above mentioned diseases were associated with pathological angiogenesis. In 2012 we have changed our research field from vascular biology to physiological mechanisms which are interrupted in tumor cells, such as cancer cell metabolism, however, it is increasingly recognized that tumor cell interaction with other cells including fibroblasts, endothelial cells and immune cells and extracellular matrix, play an important role in tumor progression and metastasis.

A statement detailing the evidence of our capacity to conduct high quality, innovative research and evidence of our national and/or international research standing.

I am the author of at least 160 published papers. I have achieved several young scientist awards of several international congresses. I was the member of North American vascular biology organization. I had participated in 2 observship programs in USA. The first was in Cleveland Clinic and angiogenesis (2009) and the second on stem cell in University of IOWA in 2011.

I have founded and was the Editor in Chief of Advanced Biomedical Research journal from 2012 which was indexed in PubMed from 2013.

We were the first group in Iran which transformed mesenchymal stem cells in cancer treatment (PMID: PMC4258801).

I have won 3 national grants during last 5 years. We were the collaborating research center in CASPIAN study. In addition we have some collaborative research activities with SPAIN, Loma Linda (California) university and Karbalaw university.