

## Scientific meeting participated:

## In the Name of Allah CV

**Name:** Sohrab Hajizadeh

**Date of birth:** March 22, 1954

**Sex:** Male

**Nationality:** Iranian

**Mailing Address:** Dept. of physiology, School of Medical Sciences. Tarbiat Modares University. P. O. Box 14115-111 Tehran-Iran and Institute for Cognitive Science Studies, New Pardis City Tehran

### Academic Qualifications:

**B. Sc.**  
In

Biology

**M. Sc.** In Human physiology

**Ph. D.** In Human physiology

### Academic experiences:

Instructor of physiology from 1989

Assistant professor of physiology from 1995

Associated professor of physiology from 2000

Professor of Physiology from 2006

### Membership of scientific societies:

Iranian society of physiogy and pharmacology

European Atherosclerosis Society

Reviewer of journal of microvascular research

### Research interests:

1.

Cardiovascular physiology

2. Microcirculation

3. Heart and brain preconditioning

4.

1. 9th Iranian Congress of physiology and Pharmacology May, 15-18 1989  
Tehran-Iran

2. 2nd Congress of AOPS Nov, 1990 New Delhi-India
3. First Congress of Biochemistry I.R.Iran, May, 18-20 1991 Tehran-Iran
4. 10th Iranian Congress of Physiology and Pharmacology Dec, 9-12 1991- Ahwaz-Iran.
5. 32nd International Congress of Physiological Sciences Aug, 1-6 1993-Glasgow-England.
6. 11th Iranian Congress of physiology and Pharmacology May, 17-20, 1993- Univ. of Medical Sciences Tabriz – Iran
7. 3rd FAOPS Congress of Federation of Asian and Oceanian Physiological Societies Nov, 7-10, 1994- Shanghai-China.
8. 7th Congress of Biomedical Engineering, Dec. 18-21, 1994 Sharif Univ. of Technology, Tehran-Iran.
9. 7th Iranian Congress of physiology and pharmacology may, 1996 Medical University of Iran, Tehran- Iran.
10. 8th Congress on Biomedical engineering Dec. 23-25 1996 Faculty of Biomedical Engineering, Amirkabir Univ. Tehran-Iran.
11. 33rd International Congress of Physiological Sciences 30 July 5 Aug 1997. ST. Petersburg-Russia.
12. 13th Iranian-Congress of physiology & Pharmacology. Aug 26-29, 1997 Isfahan Univ. of Medical Sciences Isfahan-Iran.
13. 9th international symposium on vascular neuroeffector mechanisms. Aug, 2-5 1998 Porto- Portugal.
14. 14th Iranian-Congress of physiology & Pharmacology. May, 16-20, 1999 Tehran Univ. of Medical Sciences Tehran-Iran.
15. 10th Porto meeting on adrenergic mechanisms. Sep. 25-27, 2000 Porto-Portugal.
16. 34th International congress of physiological sciences Aug, 26-31, 2001. Christchurch Newzeland.
17. 15th Iranian congress of physiology and pharmacology Nov, 5-8, 2001. Univ. of Medical Sciences Shiraz-Iran.
18. 5<sup>th</sup> scientific congress Federation of Asian & Oceanian physiological Sciences (FAOPS) 23\_26 , September 2002. Kuala Lumpur- Malaysia.
19. 16<sup>th</sup> iranian congress of physiology and pharmacology May 9-13 2003 Tarbiat Modares University Tehran –Iran.
20. 17<sup>th</sup> Iranian congress of physiology and pharmacology Oct. 1-4, 2005 Univ. of Medical Sciences Kerman. Kerman\_ Iran.
21. 5<sup>th</sup> scientific congress Federation of Asian & Oceanian physiological Societies (FAOPS) 23\_26 , September 2002. Kuala Lumpur-Malaysia.
22. 5<sup>th</sup> scientific congress Federation of Asian & Oceanian physiological Societies (FAOPS) 23\_26 , September 2007. Kuala Lumpur-Malaysia.
23. The 15<sup>th</sup> congress of the ASEAN federation of endocrine societies, 29 Nov- 1 Dec 2009 QNCC Bangkok- Thailand.
24. 19<sup>th</sup> Iranian congress of physiology and pharmacology 3-6 Nov. 2009 Shaheed Beheshti university of med. Sci. Tehran- Iran.
25. ۶. <sup>th</sup> Iranian congress of physiology and pharmacology 17-22  
8-12 Oct.2011 Hamadan university of med. Sci. Hamadan - Iran.
- 26.

## a: Papers:

1. Wang xiao Fei., **Hajizadeh S.** et al. Effect of BAPTA-AM loading on Myoplasmic resting free calcium and  $Ca^{++}$  - transients in frog twitch muscle fibres. Chinese Journal of physiological Sciences. 1992, 8(4):291-299.
2. **Hajizadeh S.**, Khoshbaten A., Asgari A., M Khaksari M. The effect of altering frequency and pulse width of low voltage stimulation on local skin blood flow. Kowsar Medical Journal. Fall 1375, Vol. 1, Part 1,; 31-37.
3. **Hajizadeh S.**, Khoshbaten A., Asgari A. Low voltage electrical stimulation and wound healing in rabbits: Effect of altering frequency. Medical Journal of Islamic Republic of Iran, 1996, Vol. 10(3): 225-228.
4. Khaksari M., Asgari A., Rahimi M., and **Hajizadeh S.** Effect of Ibuprofen and Methimazole on postburn Edema. Journal of kerman university of Medical Sciences, 1995, Vol 2(3): 120-127 .
5. **Hajizadeh S.**, Khoshbaten A., Asgari A. Low voltage electrical stimulation and wound healing in diabetic rabbits, kowsar Medical Journal. Spring 1376, Vol. 2, Part 1, 25-30.
6. Khaksari M., Khoshbaten A., **Hajizadeh S.**, Asgari A. The Effect of calmodulin antagonists on early burn inflammation . clinical and Experimental pharmacology and physiology, 1995 Vol. 22(3): A 57.
7. **Hajizadeh S.**, Khoshbaten A., Khaksari M., Asgari A. Comparison of wound healing in nondiabetic and diabetic rabbits by using low voltage electrical stimulation. European Journal of physiology 1995, supplement to Vol. 430, No. 4, R-150.
8. Khaksari M., Khoshbaten A., **Hajizadeh S.**, Asgari A. Comparison effects of calmodulin antagonist and steroid drugs on burn edema. European J. of physiology 1995, supplement to volume 43, No. 4. R-154.
9. **Hajizadeh S.**, Khoshbaten A., Asgari A., Khaksari M. Effect of Substance P on blood flow increase – induced by electrical stimulation Modarres Journal of Medical Sciences. 1998, Vol. 1(1) 1-9
10. Moghtaderi M., Khoshbaten A., **Hajizadeh S.**, Asgari A. Comparison the effects of fandermol and clobetazol on prevention of carginen – induced inflammation – kowsar medical journal 1997, Vol. 3(2) 117-121.
11. Lotfi R., **Hajizadeh S.**, Fathollahi Y. Wound healing in castrated rat. Modarres Journal of Medical Sciences 1999, Vol. 1(2): 167-171.
12. Boozarjomehri F., **Hajizadeh S.**, Sharafi A., Firoozabadi M. Effect of low frequency pulse electromagnetic field on skin wound healing in rat. J. of shaheed Sadooghi medical sciences univ. 1999 year 6. No 4: 54-59.
13. **Hajizadeh S.**, Mehdizadeh A., Fathollahi Y. Effect of intraperitoneal and local application of nicotine on wound healing in rat. Modarres J. of Medical Sciences. 1999, Vol. 2. No. 1: 19-23.
14. **Hajizadeh S.**, Khoshbaten A., Asgari A.

- Mechanism of blood flow increase-induced by electrical stimulation. Medical j. of Islamic Republic of Iran Feb. 2000, Vol. 13 No. 42: 279-282.
15. **Hajizadeh S.**, Motamedi F., Semanian S.  
Inhibition of analgesia induced by electrical stimulation with cholinergic agents. J. of physiology and pharmacology 1999, Vol. 3, No. 1: 67-71.
  16. Badavi M., Khosbaten A., **Hajizadeh S.**  
Decreased response of knee joint blood vessels to phenylephrine in chronic inflammation: involvement of nitric oxide. Experimental physiology 2000, Vol. 85. 1: 49-55.
  17. **Hajizadeh S.**, Khosbaten A., Asgari A., Khaksari M.  
Effect of Substance P on blood flow increase – induced by electrical stimulation Modarres Journal of Medical Sciences. 1998, Vol. 1(1): 1-9
  18. Bouzarjomehri F., **Hajizadeh S.**, Sharafi A., Firoozabadi S.M.  
Effect of low frequency pulse electromagnetic field on wound healing in rat skin. Arch. Jrn. Med, 3(1): 23-26.
  19. Khaksari M., Sajadi M A., **Hajizadeh S.**, Shariati M., Hassani Sefat M.  
Effect of dietary fish oil on wound healing in diabetic Rat. J. of physiology and pharmacology Winter 99-2000, Vol. No 2: 181-191.
  20. Khaksari M., Khosbaten A., **Hajizadeh S.**  
Treatment of paw edema induced by kaoline with trifluoprazine in Rat. J. Daneshvar Spring 2000, No. 27: 47-56.
  21. Khaksari M., Khosbaten A., Asgari A., Hosseini A., **Hajizadeh S.**  
Effect of fundermol a plant ointment on burn induced edema in Rat. J. of shaheed Sadougeeh Medical Sci. University. Spring 2000, 8 th year, No. 1. 48-57.
  22. Bigdeli M., **Hajizadeh S.**  
A review on points of views of pharmacological treatment of obstructive apnea. J. of Zanjan Medical Sci. University Spring 2000, No. 30, 1-9.
  23. Palizvan M.R., Fathollahi Y., Semnianian S., **Hajizadeh S.**, Mirnajafizadeh J.  
Differential effects of pentylentetrazol – kindling on long-term potentiation of population excitatory postsynaptic potentials and population.
  24. Badavi M., Khosbaten A., **Hajizadeh S.**  
Decreased responsiveness of knee joint blood vessels to stimulation of  $\alpha - 1$  adrenoceptors in chronic inflammation: A. role of nitric oxide. J. of physiology and pharmacology, Winter 2001, Vol. 4, No 2: 175-186.
  25. Pejhan A., **Hajizadeh S.**, Khosbaten A., Fathollahi Y.  
The role of prostaglandines in modulation of vascular responsiveness to phenylephrine in chronically inflamed rat knee joint. J. of physiology and pharmacology, Spring & Summer 2001, Vol. 5, No.1: 43-54.
  26. Palizvan M.R., Fathollahi Y., semnianian S., **Hajizadeh S.**, Mirnajafizadeh J.  
Chemical kindling enhances paired pulse index in CA1 cell body layer of hippocampus of anaesthetized rats. Modarres J. of medical sciences. Summer 2000, Vol 3, No. 1:1-7.
  27. Rostampour M., Fathollahi Y., Semnianian S., **Hajizadeh S.**, Mirnajafizadeh J.  
The effect of cysteamine on long-term potentiation and paired-pulse stimulation in the CA1 region of hippocampal slices in rat. j. of physiology and pharmacology Fall and winter 2000, Vol. 4, No. 2:119-129
  28. Zamani R., Semnianian S., Fathollahi Y., **Hajizadeh S.**

Systemic naloxone enhances cerebral blood flow in anesthetised morphine-dependent rats. *European J. of Pharmacology* 2000.

29. Talebian S., **Hajizadeh S.**, Olyaie GR., Fathollahi Y. Neuromascular response of the hallucis muscle to iontophoresis of epinephrine in healthy men. *Kowsar Med. J.* 2001, Vol. 6 (3): 165-173.
30. Zamani R., Semnianian S., Fathollahi Y., **Hajizadeh S.** Cerebral blood flow changes in morphin dependent rats during naloxon with drawal syndrome. *Kowsar Med. J.* 2000, Vol 6(2): 103-110.
31. Rostampour M., Fathollahi Y., Semnianian S., **Hajizadeh S.**, Mirnajafizadeh J., Shafizadeh M. Cysteamine pre-treatment reduces pentylentetrazol-induced plasticity and epileptiform discharge in the CA1 region of rat hippocampal slices. *Brain Research* 2002, 955:98-103
32. Rostampour M., Fathollahi Y., Semnianian S., **Hajizadeh S.**, Mirnajafizadeh J., Shafizadeh M. The ability of hippocampal CA1 area for induction of long-term potentiation is persistently reduced by prior treatment with cysteamine: an in vitro study. *Neuropeptides* 2002, 36(4):263-270.
33. Shiran K., **Hajizadeh S.**, Fathollahi Y. Investigation of the response of vascular alpha1-adrenoceptors of diabetic rat knee joint in acute inflammation. *J. of Rafsanjan university of medical sciences*, spring 2002, Vol.1, No.2:72-78.
34. Bigdeli M., **Hajizadeh S.** and Shahrzaz S. Pulmonary vascular muscle proliferation as a result of protein and mRNA\_eNOS alterations in rat model of CHF. *Medical J of I.R.Iran*, August 2002, Vol. 16 No.2: 101-105.
35. Khatibi MR., Aghagani M., **Hajizadeh S.**, Kalalian H. Comparison of time duration and frequency of electrical stimulation on wound healing. *J. of Semnan university of medical sciences*, Spring and summer 2002, Vol.3&4:23-28
36. Zahedi khorasani M., **Hajizadeh S.**, semnianian S., Fathollahi Y. Effect of adenosine system on Cerebral blood flow. *Kowsar Med.J.* Fall 2003, Vol. 8(3): 205-214.
37. **Hajizadeh S.**, Abedini Gh., Fathollahi Y. Investigation on  $\beta$ -2 receptors antivation on rat knee joint blood flow in acute inflammation. *Modarres J Medical Sci.* Fall 2003 val. 6, No 2: 57-64.
38. Bana Sadegh S., **Hajizadeh S.**, Semnianian S. Wound healing after different methods of denervation in rabbit hind limb *Kowsar Med.Journal*, spring 2004, Vol. 9(1): 29-31.
39. Pourabol: I., **Hajizadeh S.**, Najafipour H., Khoshbaten A. the rol of Indomethacin and Theophyllin on Knee Joint diameter and vascular responses. *Kowsar Med. J.* summer 2004, vol 9(2): 101-110.
40. Zahedi Khorasani M., **Hajizadeh S.**, Semnianian S. Fathollahi Y. Interaction of adenosine and naloxone in the regulation of regional cerebral blood flow in morphine dependent rats *kowsar Med.J.* Fall 2004, vol. 9 (3): 193-200.
41. Khaksari M., M. Mahmoodi, M. E. Rezvani, M. A. Sajjadi, Gh. Asadi Karam, **S. Hajizadeh**, Differences Between Male And Female students in Cardiovascular and Endocrine Responses to examination Stress. *J Ayub Med.coll. Abbottabad.* 2005 Apr- Jun;17 (2):9-15.
42. Pejhan A., **S. Hajizadeh**, A. Khoshbaten, Y.Fathollahi. The effect of simultaneous inhibition of enzymes which produce nitric oxide and

- prostaglandins in modulation of vascular alpha-1 adrenoceptors responsiveness to phenylephrine in chronically inflamed rat knee joint. *Daneshvar J.* 1384, Vol. 57: 9-20.
43. **Hajizadeh S.**, Zahedi khorasani M., Semnanian S., Fathollahi Y. Cerebral blood flow regulation in anesthetized morphine dependent rats: The role of adenosine system. *Medical Journal of the Islamic republic of Iran* 2005, Vol.18 (4): 353-359.
  44. Alizadeh A.M., M. Naseri, **S. Hajizadeh**, M Nayeypour, V. Khoori. The role of nitric oxide in functional and tonic characteristics of rabbit AV node. *J of physiology and pharmacology* spring and summer 2005, Vol. 9 (1): 1-7.
  45. **Hajizadeh S.** Mehdizadeh A., Fathollahi Y. Effect of cigarette smoking on wound healing rat skin. *J Danesh and Tandorosti* 2006, Vol. 2 No. 1: 1-5.
  46. Pejhan A., L. Ladan , A. Heydari, **S.Hajizadeh**, M. Rakhshani. The status of blood pressure in urban population of Sabzevar in 1382. *J of Rafsanjan university of medical sciences*, 2005 Vol 4 (2): 95-102.
  47. Safari F., **S. Hajizadeh**, Y. Fathollahi. Skin blood flow changes due to morphine and the role of nitric oxide. *J of physiology and pharmacology* spring and summer 2005, Vol. 9 (1): 35-40.
  48. Goodarzi I., **S. Hajizadeh**, S.M. Firoozabadi, G. Torkaman. Effect of low frequency electromagnetic field on skin wound healing of diabetic rat. *J of Daneshvar.* 1384, Vol.56: 45-52.
  49. Zahedi M. **Hajizadeh S.** Fathollahi Y. Semnanian S. Interaction of adenosine and naloxone in the regulation of regional cerebral blood flow in morphine dependent rats. *Brain Research*1084(2006) 61-66.
  50. **Hajizadeh S.** Shiran K., Fathollahi Y. Responsiveness of vascular alpha1-adrenoceptors of diabetic rat knee joint in acute inflammation. *Journal of Basic & Clinical physiology and pharmacology* 2005, Vol.16No.4:301-309.
  51. Khatami F., **Hajizadeh S.**, Nafar M., kKhaksari M., Farjad J. et al. Investigation on the hyperhomocysteinemia and atherosclerosis in renal transplant recipient patients. *Kowsar Med.J.*2006, Vol.11, No. 2: 183-190.
  52. khaksari M., Rahmani MR., asadi Karam GhR., **Hajizadeh S.** and Shahrani M. Decrease in blood flow and temperature of rat knee joint by calcium channel blockers in chronic inflammation. *Hormozgan Med. J.* 2006, Vol. 10, No. 4: 311-319.
  53. Bigdeli Mohammad Reza **Hajizadeh S.**, Froozandeh M., Rasulian B., Heidarianpur A., Khoshbaten A. Prolonged and intermittent normobaric hyperoxia induce different degrees of ischemic tolerance in rat brain tissue. *Brain Research* 2007,1152: 228-233.
  54. Heidarianpur A. **Hajizadeh S.**,Ghanbari A. Effect of chronic exercise on endothelial dysfunction and insulin signaling of cutaneous microvascular in streptozotocin-induced diabetic rats. *European J of cardiovascular prevention and rehabilitation* 2007 Vol.14, No. 6: 746-752.
  55. Safari F. **Hajizadeh S.**, Fathollahi Y. Azizi H. Effect of nitric oxide on skin blood flow of intact and morphine dependent rats. *J. of physiology and pharmacology* Vol. 10, Winter 2007, 267-274.

56. Bigdeli Mohammad Reza, **Hajizadeh S.** et al. The study of creation threshold of ischemic tolerance induced by normobaric hyperoxia in rat stroke model. Under review.
57. Bigdeli Mohammad Reza **Hajizadeh S.**, Froozandeh M., Rasulian B., Heidarianpur. Normobaric hyperoxia induces ischemic tolerance and upregulation of glutamate transporters in the rat brain and serum TNF-a level. *Experimental neurology* 2008, 212: 298-306
58. Khaksari Haddad M., Rahmani MR., Asadi Karam GhR., **Hajizadeh S.**, Shahrani M. Decrease in blood flow and temperature of rat knee joint by calcium channel blocker in chronic inflammation. *Hormozgan Medical Journal Winter 2006 Vol. 10, No 4: 311-320.*
59. Bigdeli Mohammad Reza, **Hajizadeh S.**, Khoshbaten A.,Froozandeh M. Study on the effect of neuroprotective prolonged and intermittent normobaric hyperoxia on serum level of TNF-a and glutamate transporters expression in rat brain. *Physiology and Pharmacology*, Fall 2007, 11(3): 208- 217.
60. Pouraboli Iran, **Hajizadeh Sohrab**, Najafipour Hamid, Khoshbaten Ali, Rasaei Mohammad. Does PGE2 mediate indomethacine and theophylline effects on joint diameter and vascular response of chronically inflamed rat knee joint to safenous nerve stimulation? *Physiology and pharmacology*, 2008, 12(1): 75-68.
61. Hosseini M; **Hajizadeh S**; Fathollahi Y. The role of adenosine A2 receptors in regulation of pial vessels blood flow in anesthetized morphine dependent rats. *Physiology and pharmacology*, 2008, 12(1): 22-30.
62. Barabadi Z; **Hajizadeh S**; Javan M. Investigation on the vasodilatory effect of insulin through KATP channels and NO pathway in the skin vessels of native and diabetic rats. *Physiology and pharmacology*, 2008, 11(4): 270-275.
63. Bigdeli M.R., **Hajizadeh S.**, Rahnema M., Khoshbaten A.,Heidarianpour A. The effect of preconditioning with prolonged and intermittent normobaric hyperoxia on upregulating TNF-a Converting enzyme and increasing serum TNF-a level in male rats. *Medical J of Kowsar 2007 Vol.12 No.3:193-208*
64. Bigdeli M.R., **Hajizadeh S.**, Forozandeh M., Khoshbaten A.The study of glutamate transporter 3 (EAAT3) expression, serum TNF- $\alpha$  level, and NF-kB activity in ischemic tolerance induced by prolonged and intermittent normobaric hyperoxia. *Modarres J of Medical sciences 2006 Vol.10 No.2: 11-21*
65. Bigdeli M.R., **Hajizadeh S.**, Banieghbal B., Masjedi mR. A comprehensive simulator of the human pulmonary system: validation with determination of total co2 and diagnosis of Acid-base abnormalities. *J of Biological systems*, 2009, Vol. 17, No. 1: 153-171.
66. Janahmadi M., Goudarzi I., Kaffashian MR., Behzadi G., Fathollahi Y., **Hajizadeh S.** Co-treatment with riluzole a neuroprotective drug, ameliorates the 3-acetylpyridine-induced neurotoxicity in cerebellar purkinje neurons of rats: Behavioural and electrophysiological evidence. *Neurotoxicology* 30 (2009): 393-402
67. Pourkhalili Kh., **Hajizadeh S.**, Tiraihi T., Akbari Z., Esmaeili M. Bigdeli MR., Khoshbaten A. Ischemia and reperfusion-induced arrhythmias: role of hyperoxic preconditioning. *J.of cardiovascular medicine* 2009.

68. **Hajizadeh S.**, Erfani B., Faghihi M., Barabadi Z., Hosseini M. Decrease of the responsiveness of beta-2 adrenoceptors of diabetic rat knee joint blood vessels in acute inflammation. *J of Physiology and Pharmacology* 2008 Vol 12. No.3:221-226
69. **Hajizadeh S.**, Faghihzadeh S., Khaksari M., Boskabadi M., Pejhan A., Rostampour M., dianat M., Naserian J. Estimation of Cardiovascular vital parameters of Iranian population using reference equations. *J of knowledge and health* 2007 Vol.2 No.4: 1-9
70. Goudarzi I., **Hajizadeh S.**, Salmani M., Abrari K. Pulsed electromagnetic fields accelerate wound healing in the skin of diabetic rats. *Bioelectromagnetics* 31:318-323 2010.
71. Malakouti SM., Kourosh Arami M., sarihi A., Hajizadeh S., Behzadi G., Shahidi S. et al. Reversible inactivation and xcitation of nucleus Raphe Magnus can modulate tail blood flow of male wistar rats in response to hypothermia. *Iranian Biomedical Journal* 2008, 12 (4): 237-240
72. Gholampour F., Shid Moosavi SM., Oji SM., **Hajizadeh S.** Effect of angiotensin II receptor type 1 antagonist on renal hemodynamic and tubular responses to ischemia-reperfusion injury in rat. *Arak medical University Journal Spring* 2007,10(1):1-9
73. Gholampour F., Shid Moosavi SM., Oji SM., **Hajizadeh S.** The role of inducible nitric oxide synthase (iNOS) in ischemia/reperfusion-induced acute renal failure in anesthetized rats. *Arak medical University Journal Winter* 2010, 12(4):51-60
74. Raeisi E., S.M.P. Firoozabadi, S. Hajizadeh, H. Rajabi, Z. M. Hassan The effect of high-frequency electric pulses on tumor blood flow in vivo. *J Membrane Biol* (2010) 236: 163-166
75. Ghafouri Samireh, **Hajizadeh S.**, Mani A.R. Enhancement of Insulin-induced cutaneous vasorelaxation by exercise in rats: A role for nitric oxide and Kca+2 channels. *European journal of Pharmacology* 2010 in press.
76. Fatemeh Safari<sup>1</sup>, **Sohrab Hajizadeh S\***<sup>1</sup>, Shahnaz Shekarforoush <sup>2</sup>, Gholamreza Bayat <sup>1</sup>, Mohsen Foadoddini<sup>3</sup>, Ali Khoshbaten <sup>4</sup>

Influence of Ramiprilat and Losartan on ischemia – reperfusion injury in the rat hearts *Journal of the Renin-Angiotensin-Aldosterone System. Vol. 13, No. 1, March 2012: 29-35*

77. Gholamreza Bayat<sup>1</sup>, **Sohrab Hajizadeh<sup>1\*</sup>**, Mohammad Javan<sup>1</sup>, Mahdi Forouzandeh Moghadam<sup>2</sup>, Fatemeh Safari<sup>3</sup>, Hossein Azizi<sup>1</sup>, Roham mazloom<sup>1</sup>  
Decreased Uncoupling Protein 2 and 3 (UCP2 and UCP3) mRNA expression by endurance exercise training with and without chronic administration of nandrolone in rat heart *Physiology and Pharmacology*, 15 (3), 330-340 Autumn 2011 [Persian]

78. Fatemeh Safari<sup>1</sup>, **Sohrab Hajizadeh<sup>1\*</sup>**, Shahnaz Shekarforoush<sup>2</sup>, Mehdi Forouzandeh<sup>3</sup>, Mohsen Foadoddini<sup>4</sup>, Gholamreza Bayat<sup>1</sup>, Bita Houshmand<sup>1</sup>, Ali Khoshbaten<sup>5</sup>



Effects of pretreatment with non hypotensive dose of ramiprilat and losartan on myocardial ischemia-reperfusion induced arrhythmias and infarct size in rats. *Physiology and Pharmacology*, 15 (1), 116-123  
Spring 2011 [Persian]

79. Bayat Gh 1, **Hajizadeh S1\***, Javan M 1, Safari F2, Goudarzvand M3, Shokri S 4, Pourkhalili Kh5, Alavian F1

Effect of exercise and chronic administration of nandrolone decanoate on expression of rat heart sarcolemmal ATP- sensitive potassium channels. *Feyz, Journal of Kashan University of Medical Sciences May, 2012; Vol. 16, No 2, Pages 102-11*

80. **Hajizadeh s.**, Safari F., Shekar foroush S., Khoshbaen A., Mani A., Foadoddin M., Bayat Gh. The effect of different durations of pretreatment with non-hypotensive dose of Ramiprilat and Losartan on myocardial ischemia-reperfusion induced arrhythmias and infarct size in rats

81. Firoozeh Alavian1, Sohrab Hajizadeh1\*, Mohammad Reza Bigdeli2, Mohammad Javan1 THE ROLE OF PROTEIN KINASE C IN ISCHEMIC TOLERANCE INDUCED BY HYPEROXIA IN RATS WITH STROKE *EXCLI Journal 2012;11:188-197 – ISSN 1611-2156*

82. Karamshahlou, Bitah Hooshmand, **Sohrab Hajizadeh**, Ali R. Mani The role of endogenous hydrogen sulfide in pathogenesis of chronotropic dysfunction in rats with cirrhosis *European Journal of Pharmacology* ] (]]]] )]]-]]]

83. MOHAMMAD REZA RAOUFY, 1 **SOHRAB HAJIZADEH**, 1, 4 SHAHRIAR GHARIBZADEH, 2 ALI R. MANI, 1, 5 PARIVASH EFTEKHARI 1 AND MOHAMMAD REZA MASJEDI 3 Nonlinear model for estimating respiratory volume based on thoracoabdominal breathing movements. *Respirology* (2013) **18**, 108–116  
doi: 10.1111/j.1440-1843.2012.02251.x

84. Mohsen Naseri, Ali Mohammad Alizadeh2\*, Vahid Khori3, **Sohrab Hajizadeh4**, Saeed Khodayari5

A novel isolated dual perfusion/superfusion heart model for physiological and pharmacological evaluation of mammalian heart preparations  
*Physiology and Pharmacology*, 16 (4), 340-349 Winter 2013 [Article in Persian]

85. Eftekhari Parivash, **Hajizadeh S.**, Raoufy MR., Masjedi MR., Yang M., Li jung jing, Foster PS.

Preventive effect of N-Acetylcysteine in a mouse model of steroid resistant acute exacerbation of asthma. *EXCLI journal* 2013;12: 184-192

86. Mazloom R, Eftekhari G, Rahimi M, Khori V, **Hajizadeh S**, Dehpour AR, Mani AR. The Role of  $\alpha 7$  nicotinic acetylcholine receptor in modulation of heart rate dynamics in endotoxemic rats.

PLoS One. 2013 Dec 10;8(12):e82251. doi: 10.1371/ journal.pone.0082251. eCollection 2013.

**87.** Shirazi AH, Raoufy MR, Ebadi H, De Rui M, Schiff S, Mazloom R, **Hajizadeh S**, Gharibzadeh S, Dehpour AR, Amodio P, Jafari GR, Montagnese S, Mani AR.

Quantifying memory in complex physiological time series.

PLoS One. 2013 Sep 5;8(9):e72854. doi: 10.1371/journal.pone.0072854.

PMID: 24039811 [PubMed - in process]

**88.** Safari F, Bayat G, Shekarforoush S, Hekmatimoghaddam S, Anvari Z, Moghadam MF, **Hajizadeh S**.

Expressional profile of cardiac uncoupling protein2 following myocardial ischemia reperfusion in losartan and ramiprilat treated rats.

J Renin Angiotensin Aldosterone Syst. 2013 Jan 31. [Epub ahead of print] PMID: 23372044 [PubMed - as supplied by publisher]

- **89.** Saeed Pazhoohan, Mohammad Reza Raoufy, Mohammad Javan, Sohrab Hajizadeh

Effect of Rho-kinase inhibition on complexity of breathing pattern in a guinea pig model of asthma

plos one Published: October 31, 2017, <https://doi.org/10.1371/journal.pone.0187249>

90. Firoozeh Alavian<sup>1</sup>, Sohrab Hajizadeh<sup>2\*</sup>, Mohammad Javan<sup>2</sup>, Mohammad Reza Bigdeli<sup>3</sup>  
<sup>1</sup> Farhangian University, Tehran, Iran  
Effects of preconditioning with intermittent normobaric hyperoxia on TNFR1 and TNFR2 expression in the rat brain *Physiol Pharmacol* 2017, 21(2): 110-119

91. [Bayat G](#)<sup>1</sup>, [Javan M](#)<sup>1</sup>, [Khalili A](#)<sup>1</sup>, [Safari F](#)<sup>1</sup>, [Shokri S](#)<sup>1</sup>, [Hajizadeh S](#)<sup>1</sup>.

Chronic endurance exercise antagonizes the cardiac UCP2 and UCP3 protein up-regulation induced by nandrolone decanoate.

[J Basic Clin Physiol Pharmacol](#). 2017 Nov 27;28(6):609-614. doi: 10.1515/jbcpp-2017-0049.

92. Firoozeh Alavian<sup>1</sup>, Sohrab Hajizadeh<sup>2\*</sup>, Mohammad Javan<sup>2</sup>, Mohammad Reza Bigdeli<sup>3</sup>

<sup>1</sup> Farhangian University, Tehran, Iran

Evaluation of ERK activity on ischemic tolerance-induced by intermittent normobaric hyperoxia in the rat model of stroke arak medical univ. j., V. 20 No6 41-53

93- Saeed Pazhoohan 1, 2 , Ehsan Aref 2 , Leila Zare 2, SamanehDehghan 2, Mohammad Javan , SohrabHajizadeh1 2 Mohammad Reza Raoufy2 \*

**Inhibition of Rho-kinase improves response to deep inspiration in ovalbumin-sensitized guinea pigs**

Department of Physiology, Faculty of Medicine, Arak University of Medical Sciences, Arak, Iran

Department of Physiology, Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran, Basic Med Sci 2020; 23:1584-1589. doi:

10.22038/ijbms.2020.46258.10683

94- Saeed Pazhoohan1, Ehsan Aref1, Mehdi Eslami-Behroozi 1, Mohammad Javan 1, Sohrab Hajizadeh 1, Mohammad Reza Raoufy 1

**Rho Kinase; a Novel Therapeutic Target in Asthma, Review Article**

Nafas, Vol. 3, No. 2, Summer 2016, Pages: 1-12

95- Masoumeh Kourosh Arami, S. Hajizadeh

**Maturation of NMDA receptor-mediated spontaneous postsynaptic currents in the rat locus coeruleus neurons. Physiology international vol. 107, Issue 1, pp 18-29**

, Apr 2020 DOI:

<https://doi.org/10.1556/2060.2020.00010>

96- Somayeh Nazari, Masoumeh Kourosh Arami, Alireza Komaki and Sohrab Hajizadeh

**Relative contribution of central and peripheral factors in superficial blood flow regulation following cold exposure**

March 2020 Physiology and Pharmacology,

DOI:10.32598/ppj.24.2.50

97- Zahra Rezaei ,Sohrab Hajizadeh \* ,Zahra Piri **Biological Functions of Nitric Oxide in the Brain and Brain Stem**

J.Kerman University of Medical Sciences Vol.29, No. 6, pp 568-576. Nov. 2022

98- Zahra Rezaei ,Sohrab Hajizadeh. **Central and Peripheral Thermoregulatory Responses to Cold Exposure: Involvement of Sympathetic System, Nitric Oxide, and Orexin**

J. Kerman University of Medical Sciences No. 4 Vol. 29, pp.401-410, Aug. 2022

## B: abstracts

1. **Hajizadeh S.**, Motamed F. Cholinergic system and Trans-cutaneous electrical Nerve stimulation induced analgesia. Proceeding of Asian and Oceanian Physiological Sciences (AOPS) Nov. 1990, New Delhi.
2. **Hajizadeh S.**, Motamedi F. The comparison of the effect of muscarinic and nicotinic acethylcholine receptors of Transcutaneous electrical nerve stimulation induced analgesia. 10th Iranian Congress of Physiology and Pharmacology 9-12 Dec. 1991, Ahwaz-Iran.
3. **Hajizadeh S.**, Wang X. F, Zhu P. H. Effect of BAPTA-AM on Ca<sup>2+</sup>- Transients in frog twitch muscle fibers. XXX II Congress of international Congress of Physiological sciences. (IUPS) 1-6 Aug. 1993-Glasgow-England.
4. Kesmati M., Motamedi F., **Hajizadeh S.** A study of involvement of neurochemical systems in Transcutaneous electrical nerve stimulation (TENS). XXX II Congress of IUPS 1-6 Aug. 1993 Glasgow – England.
5. **Hajizadeh S.**, Khoshbaten A., Khaksari M., Asgari A. Effect of electrical stimulation on blood flow. Using laser Doppler flowmetry. 7th Annual conference on Biomedical Engineering. Sharif Univ. of Tech. 18-21, Dec. 1994- Tehran-Iran.
6. **Hajizadeh S.**, Khoshbaten A., Khaksari M., Asgari A. Effect of electrical stimulation on blood flow: by laser Doppler Flow metry Fourth IBRO word Congress of Neuroscienculo 9-14 July 1995. Kyto – Japen.
7. Khaksari M., **Hajizadeh S.** Physiology in Medical sciences universities of Iran. Workshop and Training course, Teaching physiology July 6-9, 1997 St. petersburg- Repino- Russia.
8. **Hajizadeh S.**, and Khaksari M. Physiology in Medical sciences universities of Iran. Workshop and Training course, Teaching physiology July 6-9, 1997 St. petersburg- Repino- Russia.
9. **Hajizadeh S.** et al. Blood flow increase induced by Electrical stimulatın was augmented by substance P. 33rd international congress of IUPS, 30 Jone –5 July 1997. St-petersburg-Russia.
10. Khaksari M., Khoshbaten A., **Hajizadeh S.**, Asgari A. The Calmodulin antagonist trifluoperazine inhibits kaolin induced paw edema in Rats. XXXIII international congress of physiological sciences. June 36- July 5. 1997. St. petersburg, Russia.

11. **Hajizadeh S.**, Khoshbaten A., Asgari A., Khaksari M. Role of the sympathetic Nervous system in cutaneous blood flow increase induced by electrical stimulation. International symposium on vascular neuroeffector mechanisms 2-5, August, 1998. Porto- Portugal.
12. **Hajizadeh S.**, Khoshbaten A., Asgari A., Khaksari M. Wound healing was impaired by diabetes and was Augmented by electrical stimulation in rabbit. Brisbane, 98, 27 Sept. 1 Oct. 1998. Brisbane – Australia.
13. **Hajizadeh S.**, Khoshbaten A., Asgari A. Blood flow increase induced by electrical stimulation was augmented by substance P. XXXIII international congress of physiological sciences June 30 July 5. 1997. St. Petersburg, Russia.
14. Badavi M., Khoshbaten A., **Hajizadeh S.**, and Nazari F. Study of  $\alpha_1$  adrenergic receptor sensitivity of rat knee Joint vessels in chronic inflammation. Proceedings of the Australian physiological and pharmacological Society, 27 Sept. 1 Oct. 1998. Brisbane Australia.
15. Khaksari M., Sajadi M.A., Hassani sefat M., and **Hajizadeh S.** The effect of fish oil on wound healing in diabetic rats. Proceedings of the Australian Physiological and pharmacological Society Brisbane 98, 27 Sept-1 Oct. Brisbane Australia.
16. Bana Sadegh S., **Hajizadeh S.**, Semnianian S. Wound healing after denervation in rabbit hind limb. 14th Iranian congress of physiology and pharmacology 16-20 may 1999, Tehran Univ. of medical sciences. Tehran – Iran.
17. Ghofranipour F., **Hajizadeh S.**, Asadpour M. Comparison of hemoglobin, hematocrite and red blood cell in smokers that educated with group discussion and non educated persons. 14th Iranian congress of physiology and pharmacology 16-20 may 1999, Tehran Univ. of medical sciences. Tehran-Iran.
18. **Hajizadeh S.**, Banasadegh S., Semnianian S. Comparison the effect of different methods of denervation on wound healing in rat's hind limb. 14th Iranian congress of physiology and pharmacology 16-20 may 1999, Tehran-Iran.
19. Badavi M., Khoshbaten A., **Hajizadeh S.**, and Nazari F. The role of nitric oxide in reduced response of knee joint blood vessels to phenylephrine in adjuvant monoarthritis. 14th Iranian congress of physiology and pharmacology 16-20 may 1999, Tehran Univ. of medical sciences. Tehran-Iran.
20. Lotfi R., **Hajizadeh S.**, Fathollahi Y. Wound healing in castrated rat. 14th Iranian conaress of physiology and pharmacology 16-20 may 1999, Tehran Univ. of medical sciences. Tehran-Iran.
21. Badavi M., Khoshbaten A., **Hajizadeh S.**, Nazari F. The effect of chronic inflammation on the knee joint blood vessels' response to sodium nitroprusside. 14th Iraninan congress of physiology and pharmacology 16-20 may 1999, Tehran Univ. of medical sciences. Tehran-Iran.
22. Pour Amir M., Rassae M.J., Ansari M., **Hajizadeh S.**, Pur Bahador R. The influence of digoxin – spesific Fab fragments on digoxin toxicity. 14th Iranian congress of physiology and pharmacology 16-20 may 1999, Tehran Univ. of medical sciences. Tehran-Iran.
23. **Hajizadeh S.**, Mehdizadeh A., and Fathollahi Y. Effect of cigarette smoking on wound healing in rat. 14th Iranian congress of physiology and pharmacology 16-20 may 1999, Tehran Univ. of medical sciences. Tehran-Iran.
24. Sajadi M.A., Khaksari M., ... **Hajizadeh S.**

- The effect of oral fish oil diet on wound healing in diabetic rats. 14th Iranian congress of physiology and pharmacology 16-20 may 1999, Tehran Univ. of medical sciences. Tehran-Iran.
25. Boozarjomehry F., **Hajizadeh S.**, Sharafi A., Firoozabadi S.M. Low frequency pulsed electromagnetic field (PEMF) in experimental cutaneous wound healing in rats. 14th Iranian congress of physiology and pharmacology 16-20 may 1999, Tehran Univ. of medical sciences. Tehran-Iran.
  26. Pejhan a., **Hajizadeh S.**, Khoshbaten A., Fathollahi Y.  
Role of prostaglandins in responsiveness of vascular alpha-1 adrenoceptors to phenylephrine of rat knee joint in chronic inflammation. 10th Porto meeting on adrenergic mechanisms. 25-27. Sep. 2000. Porto – Portugal.
  27. Moghtaderi M., Khoshbaten A., **Hajizadeh S.**, Asgari A.  
Effect of fundermol on rabbit knee joint's acute inflammation. 12th irani an congress of physiology and pharmacology 15-18 Nov. 1995 Iran med. Sci. University, Tehran-Iran.
  28. Khaksari M., Khoshbaten A., Rahimee M., **Hajizadeh S.**, Asgari A.  
Burn edema induced was inhibited by fundermol. 12th iranian congress of physiology and pharmacology 15-18 Nov. 1995 Iran mal. Sci. University, Tehran-Iran.
  29. **Hajizadeh S.**, et al.  
Effect of electrical stimulation on wound healing in diabetic rabbits. 8th congress of Medical engineering of Iran. 21-23 Dec. 1996, Amir kabir University, Tehran-Iran.
  30. **Hajizadeh S.**, Khoshbaten A., Asgari A., Rezazadeh M.  
Comparison of different frequencies of electrical stimulation on wound healing. 6th congress of Iran physical therapy 13-15 May 1996, Tehran Univ. Tehran-Iran.
  31. Oryan Sh., **Hajizadeh S.**, Mirdamadi S.  
Comparison the effect of central and peripheral injection of cafeine on food intake of Rat. 13th congress of physiology and pharmacology 24-27. Aug. 1997. Isfahan - Iran.
  32. Bashar doost Gh., Khoshbaten A., **Hajizadeh S.**, Asgari A.  
Investigation on the effect of voltage, frequency and duration of pulse on response of skin. Vasculature to electrical stimulation of saphenou nerve. 13th congress of physiology and pharmacology 24-27. Aug. 1997. Isfahan - Iran.
  33. Ghaderi Ph., Hamzehzadeh A., **Hajizadeh S.**  
A new method for tensile strength measurement of skin. 13th congress of physiology and pharmacology 24-27. Aug. 1997. Isfahan - Iran.
  34. Khaksari M., Khoshbaten A., **Hajizadeh S.**, Asgari A.  
Local application of fundermol ointment for treatment of burn in Rat. 13th congress of physiology and pharmacology 24-27. Aug. 1997. Isfahan - Iran.
  35. Moghtaderi M., Khoshbaten A., **Hajizadeh S.**, Asgari A.  
Comparison the effect of fundermol in forms of ointment and injection on acute knee inflammation. 13th congress of physiology and pharmacology 24-27. Aug. 1997. Isfahan - Iran.
  36. Talebian S., **Hajizadeh S.**, Olyaei GR., Fathollahi Y., and Abolfazli R.  
The effects of anodal io of EE on neuromuscular responses in healthy men and patients with myasthenia gravis. 15th Iranian congress of physiology and pharmacology 5-8. Nov. 2001. Shiraz-Iran.
  37. Talebian S., **Hajizadeh S.**, Olyaei GR., Fathollahi Y., and Abolfazli R.

- The effects of anodal io of EE on neuromuscular responses in healthy men and patients with myasthenia gravis. 15th Iranian congress of physiology and pharmacology 5-8. Nov. 2001. Shiraz-Iran.
38. Pejhan A., **Hajizadeh S.**, Khoshbaten A., and Fathollahi Y.  
Prostaglandins and nitric oxide alter the responsiveness of vascular  $\alpha$ -1 adrenoceptors to phenylephrine in chronically inflamed rat knee joint. 15th Iranian congress of physiology and pharmacology 5-8. Nov. 2001. Shiraz-Iran.
  39. Dianat M., **Hajizadeh S.**, Danesh pajouh M.  
Chronic cigarette consumption and pulmonary functions. 15th Iranian congress of physiology and pharmacology 5-8. Nov. 2001. Shiraz-Iran.
  40. Bigdely MR., **Hajizadeh S.**, Masjedi MR., Banieghbal B.  
Diagnosis and treatment of clinical abnormalities of acid-base balance in chronic obstructive pulmonary disease (COPD) and asthma cases by the modeling of biological systems. 15th Iranian congress of physiology and pharmacology 5-8. Nov. 2001. Shiraz-Iran.
  41. Mashkani BA., Allameh A., Lotfi A., **Hajizadeh S.**, and Ghamami.  
Effect of morphine on expression of glutathiones – transferase and its II class in rat tissues. 15th Iranian congress of physiology and pharmacology 5-8. Nov. 2001. Shiraz-Iran.
  42. Badavi M., Khoshbaten A., **Hajizadeh S.**, and Nazari F.  
Involvement of nitric oxide in altered response of knee joint blood vessels to  $\alpha$ 1-Adrenoceptor activation during chronic monoarthritis activation during chronic monoarthritis in rats. 15th Iranian congress of physiology and pharmacology 5-8. Nov. 2001. Shiraz-Iran.
  43. Alizadeh A., Naseri M., **Hajizadeh S.**, and Nayeypour SM.  
Double perfusion system, A new method for AV node studies. 15th Iranian congress of physiology and pharmacology 5-8. Nov. 2001. Shiraz-Iran.
  44. Shiran K., **Hajizadeh S.**, and Fathollahi Y.  
To investigate responsiveness of vascular  $\alpha$ 1- adrenoceptors of diabetic rat knee joint in acute inflammation. 15th Iranian congress of physiology and pharmacology 5-8. Nov. 2001. Shiraz-Iran.
  45. Palizan MR., Fathollahi Y., Semnianian S., **Hajizadeh S.**, and Mirnajafizadhy J.  
Differential effects of pentylene tetrazol-kindling on long- term potentiation of population excitatory postsynaptic potentials and population spikes in the ca1 region of rat hippocampus. 15th Iranian congress of physiology and pharmacology 5-8. Nov. 2001. Shiraz-Iran.
  46. Talebian S., **Hajizadeh S.**, Olyaei GR., Fathollahi Y., and Abolfazli R.  
The effects of anodal io of EE on neuromuscular responses in healthy men and patients with myasthenia gravis. 15th Iranian congress of physiology and pharmacology 5-8. Nov. 2001. Shiraz-Iran.
  47. Ghamami G., **Hajizadeh S.**, and Fathollahi Y.  
Morphine-dependency and skin wound healing. 15th Iranian congress of physiology and pharmacology 5-8. Nov. 2001. Shiraz-Iran.
  48. Khatibi MR., Aghagani S., **Hajizadeh S.** and Kalalian H. Comparison of time duration and frequency of electrical stimulation of wound healing. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
  49. **Sohrab Hajizadeh**, Mahin Dianat.

Assessment of physiological values of vital (cardio-pulmonary) parameters in different ages for women in south area of iran. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.

50. M. R. Palizvan, Y. Fathollahi, S. Semnanian, **S. Hajizadeh**, J. Mirnajafizadh.  
Differential effects of pentylentetrazol – kindling on long- term potentiation in the CA1 region of rat hippocampus. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
51. M. Rostampour, Y.Fathollahi, S.Semnanian, **S. Hajizadeh**, J.Mirnajafi-zadeh.  
Effect of cystemine on tetanic stimulus-induced long-term potentiation (LTP) in the CA1 region of rat hippocampal slices. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
52. Alizadeh. AM, Naseri. SM, **Hajizadeh. S** and Nayeypour. M.  
Effect of nitric oxide on AV node conduction time in rabbit heart. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
53. Badavi. M, Khoshbaten. A, **Hajizadeh. S**, and Nazari. F.  
Altered response of knee joint blood vessels to  $\alpha_2$ -Adrenoceptor activation during chronic monoarthritis in rats: Involvement of nitric oxide. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
54. M.R. Bigdeli, **S. Hajizadeh**, M.H. Amrollahi.  
The objectivity of the modelling of biological system with experimental foundings in cardiopulmonary system in order to blood gases exchange. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
55. **Hajizadeh S.**, Dianat M. Measurement of some cardio-pulmonary parameters of male subjects aged below 15 years and above 55 years old in Boushehr. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
56. Goudarzi. I, **Hajizadeh. S**, Firoozabadi. M, Fathollahi. Y, Torkaman. G, Ghadery Pakdell. F.  
Effect of extremely low frequency pulsed electromagnetic fields on wound healing in the skin of diabetic rats. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
57. NikanjamN., Mokhtari Dizje M.,Saber H., **Hajizadeh S**.Measurement of carotid static pressure changes using the Bernouli principle. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
58. Pouraboli I., **Hajizadeh S.**, Najafipour H.,Khoshbaten A.The role of prostaglandins in blood flow response of chronically inflamed rat knee joint to saphenous nerve stimulation. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
59. Zahedi Khorasani M., **Hajizadeh S.**, Semnanian S., Fathollahi Y.Changes of cerebral blood flow in morphine dependent & morphine withdrawal rats : Effects of adenosine, teophylline & naloxone. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
60. Bashardoust GHR., Khoshbaten A., **Hajizadeh S.**, Asgari A.Effect of electrical stimulation of saphenous nerve & NOS inhibition on rabbit skin blood flow. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13,2003.



61. Ghamami G., Boskabadi MH., Mazloom R., **Hajizadeh S.** Blood pressure among population aged 8-18 years in the city of Mashhad. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
62. Shadman MT., Boskabadi MH., Ghamami G., Mazloom R.,**Hajizadeh S.** Blood groups among population aged 8 year and over in city of Mashhad. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13,2003.
63. Zahedi Khorasani M., **Hajizadeh S.**, Semnianian S.,Fathollahi Y.In vestigation the effects of adenosine A1&A2 receptors on cerebral blood flow in anesthtized morphine dependent rats. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
64. Bahrami f>, Semnianian S., Sahraei H., **Hajizadeh S.** et al. Study on articles which have been presented in 10<sup>th</sup> to 15<sup>th</sup> Iranian congress of physiology and pharmacology. 16<sup>th</sup> Iranian Congress of Physiology & Pharmacology. Tehran-Iran May 9-13, 2003.
65. Zahedi Khorasani M., **Hajizadeh S.**, Jarrahi M., J. Drier.
66. Bigdeli Mohammad Reza, Hajizadeh Sohrab.Pulmonary vascular muscle proliferation as a result of protein and mRNA- eNOS alteration in the rat model of CHF. The 6<sup>th</sup> congress of the federation of Asian and Oceanian physiological Sciences. Oct. 16-18, 2006 Central city Marriott Hotel, Seoul, Korea
67. Arami Masoomeh, **Hajizadeh S.**, Sarihi Abdorahman. The effect of nitric oxide level of nucleus raphe magnus in hypothermia in male wistar rats. The 6<sup>th</sup> congress of the federation of Asian and Oceanian physiological Sciences. Oct. 16-18, 2006 Central city Marriott Hotel, Seoul, Korea
68. **Hajizadeh S.**, Safari Fatemeh. Inhibition of hyperthermia-induced by morphine decreases skin blood flow of rat: The role of nitric oxide. The 6<sup>th</sup> congress of the federation of Asian and Oceanian physiological Sciences. Oct 16-18, 2006 Central city Marriott Hotel, Seoul, Korea.
69. Heidarianpour Ali, **Hajizadeh S.**, Khoshbaten Ali,Ghanbari Abbas. Effects of chronic exercise on endothelial dysfunction and insulin signaling of cutaneous microvascular in streptozotocin diabetic rats. The 6<sup>th</sup> congress of the federation of Asian and Oceanian physiological Sciences. Oct. 16-18, 2006 Central city Marriott Hotel, Seoul, Korea
70. Zahedi M., **Hajizadeh S.**, jarrahi M., Drier J. Evaluation of Na-pump alpha subunit failure on cortical spreading depression. 17<sup>th</sup> Iranian congress of physiology and pharmacology, Kerman 9-12 Mehr 1384 (Oct. 1-4 2004).
- 71.Naserian J., **Hajizadeh S.**, Faghihzadeh S. Evaluation of cardiac parametersin different groups of Iranian men: Comparison between smokers and non smokers. 17<sup>th</sup> Iranian congress of physiology and pharmacology, Kerman 9-12 Mehr 1384 (Oct. 1-4 2004).
72. Safari F. **Hajizadeh S.**, Fathollahi Y., Hasanpour E. Skin blood flow changes after morphine injection: Role of NO. 17<sup>th</sup> Iranian congress of physiology and pharmacology, Kerman 9-12 Mehr 1384 (Oct. 1-4 2004).
73. **Hajizadeh S.**, Boskabadi M., Khaksari M., Faghihzadeh S., Naserian J., Pejhan A. Estimation of cardiovascular parameters in Iranian adult population using reference equations. 17<sup>th</sup> Iranian congress of physiology and pharmacology, Kerman 9-12 Mehr 1384 (Oct. 1-4 2004).
74. Pouraboli I., **Hajizadeh S.**, Najafipour H., Khoshbaten A., Rasae M. Effect of theophylline on responsiveness of rat knee joint blood vessels induced by safenous nerve

stimulation. 17<sup>th</sup> Iranian congress of physiology and pharmacology, Kerman 9-12 Mehr 1384 (Oct. 1-4 2004).

75. Rostampour M., Fathollahi Y., Semnianian S., **Hajizadeh S.**, Mirnajafizadeh J. Systemic pretreatment reduced synaptic plasticity in rat hippocampal CA1 slices. 17<sup>th</sup> Iranian congress of physiology and pharmacology, Kerman 9-12 Mehr 1384 (Oct. 1-4 2004).

76. **Hajizadeh S.**, Naserian G. et al. Reference equations for estimation of cardiovascular parameters of non adult population of Iran. 17<sup>th</sup> Iranian congress of physiology and pharmacology, Kerman 9-12 Mehr 1384 (Oct. 1-4 2004).

77. Naserian J., **Hajizadeh S.**, Faghihzadeh S., Relationship between pulmonary parameters and weight in Iranian men: comparison between smokers and non smokers. 13<sup>th</sup> Iranian biology conference and first international conference of biology 23-25 Aug. 2005 Guilan University, Rasht- Iran

78. Naserian J., **Hajizadeh S.**, Faghihzadeh S. Mean values of tidal volume in different groups of Iranian adult men: comparison between smokers and non smokers. 5<sup>th</sup> Iranian conference of immunity and occupational health, 15-16 ordibehesht 1384 (April 2005), Isfahan-Iran

79. Naserian J., **Hajizadeh S.**, Faghihzadeh S. Mean values of slow vital capacity in different groups of Iranian adult men: comparison between smokers and non smokers. 5<sup>th</sup> Iranian conference of immunity and occupational health, 15-16 ordibehesht 1384 (April 2005), Isfahan-Iran

80. Naserian J., **Hajizadeh S.**, Faghihzadeh S. Mean values of respiration rate in different groups of Iranian adult men: comparison between smokers and non smokers. Iranian students conference of occupational health, 8-9 day 1383 ( Dec. 2004), Iran medical sciences university Tehran-Iran

81. **Hajizadeh S.**, Barabadi Z. Insulin induced vasodilation of skin blood vessels of native and diabetic rats: role of  $K_{ATP}$  channel and NO pathway. The 2009 congress of the asean federation of endocrine societies 29 Nov.-1 Dec. Thailand –Bangkok

82. **Hajizadeh S.**, Bigdeli MR. The study of creation threshold of ischemic tolerance induced by normobaric hyperoxia in rat stroke model. 5<sup>th</sup> congress of FAONS and XXVIII Annual meeting of IAN Nov. 25-28 2010, Lucknow- India

### ج- کتاب :

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- ۲- ویراستاری کتاب چکیده فیزیولوژی گایتون ، انتشارات تیمورزاده ، سال ۱۳۸۱
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- ۴- شگفتی های آفرینش در خلقت اندام های بدن انسان انتشارات: تهران آفرینش حیات ۱۳۹۹

### د- طرح های تحقیقاتی مصوب دانشگاهی و ملی

- ۱- روش های نوین در تحریک الکتریکی برای تسریع بهبودی زخم. طرح مصوب پژوهشکده بنیاد جانبازان انقلاب اسلامی. سمت: مسئول اجرایی و پژوهشگر. طرح به اتمام رسیده است.
- ۲- طرح مصوب دانشگاه تربیت مدرس. سمت: مجری طرح - طرح به اتمام رسیده است.
- ۲- تعیین اندازه های طبیعی پارامترهای قلبی - ریوی در بزرگسالان و خردسالان ایران طرح ملی، مصوب شورای پژوهش های علمی وزارت بهداشت، درمان و آموزش پزشکی سمت: مجری طرح
- ۳- بررسی نقش مسیر Rho-kinase در تغییرات عملکردی و بافت شناسی مجاری هوایی در مدل آسمی موش های صحرائی. طرح مصوب صندوق حمایت از پژوهشگران کشور خاتمه در ۱۴۰۰/۱۰/۹ سمت: مجری طرح

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- ۲- پژوهشگر برتر دانشگاه در سال ۱۳۷۹
- ۳- همکار طرح برنده جایزه در جشنواره رازی

## فعالیت های اجرایی:

- ۱- بیش از ۱۰ سال مسئولیت های آموزشی و اجرایی در آموزش و پرورش
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- ۳- مدیر گروه فیزیولوژی از سال ۱۳۷۵ تا سال ۱۳۷۶
- ۴- معاون آموزشی دانشکده علوم پزشکی از آبان ۱۳۷۶ تا خرداد ۱۳۷۹
- ۵- مدیر کل آموزش دانشگاه از تاریخ ۷۹/۲/۲۶ تا آبان ۸۶
- ۶- عضو شورای آموزشی دانشگاه
- ۷- عضو شورای دانشگاه
- ۸- عضو شورای آموزشی دانشکده علوم پزشکی
- ۹- داور مجلات علمی و پژوهشی مختلف
- ۱۰- داور بین المللی مجله میکرو و سکولار ریسرچ
- ۱۱- عضو کمیته تخصصی گروه های فیزیولوژی، بیوشیمی، فیزیک و پزشکی
- ۱۲- عضو کمیته ترفیع و ارتقاء دانشکده پزشکی سال های ۷۶ و ۷۷
- ۱۳- عضو شورای نظارت و ارزشیابی دانشکده
- ۱۴- عضو کمیته برنامه ریزی علوم پایه پزشکی در سال های ۷۶ و ۷۷
- ۱۵- نماینده انجمن فیزیولوژی و فارماکولوژی ایران در مجمع عمومی کنگره بین المللی علوم فیزیولوژی (IUPS) آگوست ۲۰۰۱، کریست چرچ، نیوزیلند.
- ۱۶- مسول دفتر استعداد های درخشان تا سال ۱۳۸۶
- ۱۷- دبیر انجمن دانش آموختگان دانشگاه.
- ۱۸- عضو هیئت بورد فیزیولوژی در سال ۱۳۸۱ و ۸۲

- ۱۹- عضو هیات تحریریه مجله فیزیولوژی و فارماکولوژی
- ۲۰- عضو هیات تحریریه مجله دانشگاه علوم پزشکی اهواز
- ۲۱- سردبیر مجله دانش و تندرستی بیش از هشت سال
- ۲۲- سردبیر مجله تازه های علوم شناختی
- ۲۳- معاون پژوهشی پژوهشکده علوم شناختی سال های ۱۳۹۰ و ۱۳۹۱
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