

Curriculum Vitae

Farinaz Nasirinezhad, Ph.D



Education:

Undergraduate school: B.Sc. in biology, Jondishahpour university, Ahwaz, Iran, (1984-1987)

Graduate school: M.Sc in human physiology, Shiraz medical university, Shiraz, Iran (1991-1994)

Doctoral degree: Ph.D in human physiology, Beheshti medical university, Tehran, Iran (1997-2003)

Exchange visitor: Miami project to cure paralysis, university of Miami, Miami, USA (j visa, 2002-2003)

Postdoctoral research: Miami project to cure paralysis, university of Miami, Miami, USA (2009-2012)

Present research interest: Neuropathic pain

Present working status: lecturer & researcher in Iran University of medical sciences, Tehran, Iran (from 1993 until now)

Email: *FNNezhad@med.miami.edu*

Science16117@yahoo.co.uk

Lectures and poster presentations:

1. antinociceptive effect of conotoxin delivery to the spinal cord in a central neuropathic pain model, 8th Congress of the European Federation of IASP® Chapters (EFIC®) Florence, Italy, 2013
2. Spinal transplantation of schwann cells engineered to express the conopeptides, ω -conotoxin and conantokin G, alleviate chronic pain after spinal cord Injury, SFN, 2011, Washington D.C, USA
3. Use of viral vectors encoding endomorphins and histogranin for pain alleviation in a rodent spinal cord injury model, INTR, 2011, Clearwater, USA
4. Viral constructs encoding conopeptides for suppression of pain in spinal cord injured rats, abstract number 263.7, SFN meeting San Diego 2010

5. Development of conopeptide gene therapy tools for rodent chronic spinal cord injury pain. ASNTR meeting, Clearwater, USA, 2009
6. Intraperitoneal administration of ascorbic acid attenuates hyperalgesia in a rat model of neuropathic pain. (Second international congress of neuropathic pain, Berlin, Germany, 2007)
7. Dose dependant effect of ascorbic acid in chronic pain alleviation (18th international congress of physiology and pharmacology, Iran, 2007)
8. Involvement of NMDA receptors in antinociceptive effects of ascorbic acid (11th congress of EFNS, Brussels, Belgium, 2007).
9. Effect of 1,25 dihydroxy vitamin D3 on Neuropathic pain following chronic constriction injury of sciatic nerve. (Physiotherapy in the Ergonomic Era, Singapore 2006)
10. Neuropathic pain, Pain society, 2006 (invited speaker)
11. Analgesic effect of intrathecal transplantation of cultured calf chromaffin cells in neuropathic pain (The 4th scientific annual meeting of the Iranian pain society, Iran, 2005)
12. Synergism effect of noradrenalin and histogranin in alleviation of neuropathic pain in male rats. (5th congress of Iranian pain society, Iran 2005)
13. Alleviation of neuropathic pain behavior by intrathecal injection of histogranin and noradrenalin in adult rat. (4th world congress of cellular and molecular biology, Poitiers, France 2005)
14. The effect of intrathecal transplantation of chromaffin cells on sciatic nerve histology in neuropathic rats (The 3rd scientific annual meeting of the Iranian pain society, Iran, 2004)
15. Analgesic effect of intrathecal injection of a NMDA antagonist and adrenal medulla transplantation in neuropathic rats. (3rd word congress world institute of pain, Barcelona, Spain, 2004)
16. The effect of spinal transplantation of chromaffin cells on pain behavior in neuropathic rats (14th international congress of geographic medicine, Iran, 2003)
17. Is there any correlation between anterior hypothalamus and hunger center? (12th international congress of geographic medicine, Iran, 1999)
18. The study of unilateral and bilateral vagotomy on serum testosterone concentration on male rats (13th international congress of physiology and pharmacology, Iran 1998)
19. The differences between right and left anterior hypothalamic nuclei in regulation of gonadal function (12th international congress of physiology and pharmacology, Iran, 1995)
20. The possibility of hypothalamic anterior nuclei function in asymmetric control of testicular function (Forth IBRO congress of neurosciences, Japan, 1995)
21. Are anterior hypothalamic nuclei as a thermoregulatory center? (III FAOPS congress, China, 1994)
22. The dominance of the right testis to the left in testosterone secretion (satellite symposium of III FAONS congress, China, 1994)

Publications:

1. M Yousefifard, V Rahimi-Movaghar, F Nasirinezhad, M Baikpour, S Safari. Neural stem/progenitor cell transplantation for spinal cord injury treatment; A systematic review and meta-analysis. *Neuroscience*. 2016.
2. M Yousefifard, F Nasirinezhad, HS Manaheji, A Janzadeh, M Hosseini, , 2016 Human bone marrow-derived and umbilical cord-derived mesenchymal stem cells for alleviating neuropathic pain in a spinal cord injury model. *Stem Cell Research & Therapy*. 2016; 7(1):1.
3. F Nasirinezhad, M Hosseini, Z Karami, M Yousefifard, A Janzadeh. Spinal 5-HT₃ receptor mediates nociceptive effect on central neuropathic pain; possible therapeutic role for tropisetron. *The journal of spinal cord medicine*. 2015;1-8.
4. M Hosseini, M Yousefifard, H Aziznejad, F Nasirinezhad. The Effect of Bone Marrow-Derived Mesenchymal Stem Cell Transplantation on Allodynia and Hyperalgesia in Neuropathic Animals: A Systematic Review with Meta-Analysis. *Biology of Blood and Marrow Transplantation*. 2015;21(9):1537-44.
5. F Nasirinezhad, S Jergova, JP Pearson, J Sagen. Attenuation of persistent pain-related behavior by fatty acid amide hydrolase (FAAH) inhibitors in a rat model of HIV sensory neuropathy. *Neuropharmacology* 95. 2015; 100-109, 2015.
6. P Chen, S Jergova, C Han, C Cosner, F Nasirinezhad, N Pathak, et al. Designing CGRP (8-37) Recombinant Peptide Construct to Evaluate Model of Nerve Injury-Induced Pain in Rats. *CELL TRANSPLANTATION*. 2015;24 (4): 754-5.
7. F Hosseini, M Karami, Z Janzadeh, A Nasirinezhad. Effect of coenzyme Q10 on neuropathic pain threshold resulting from spinal cord injury in male rats. *Physiology and Pharmacology*. 2014;18: 204-14.
8. A Janzade, SB Jameie, S Choobchian, F Nasirinezhad. Neuroprotective Effect of Coenzyme Q10 in Chronic Constriction Injury-Induced Neuropathic Pain in Rat. *Thrita*. 2014; 3 (1).
9. F Nasirinezhad, M Hosseini, S Salari. Anti-allodynic Efficacy of NMDA Antagonist Peptide and Noradrenaline Alone and in Combination in Rodent Neuropathic Pain Model. *The Korean journal of pain*. 2015; 28 (2): 96-104.
10. M Hosseini, Z Karami, A Janzadenh, SB Jameie, ZH Mashhadi. The effect of intrathecal administration of muscimol on modulation of neuropathic pain symptoms resulting from spinal cord injury; an experimental study. *Emergency*. 2015;2(4): 151.
11. The effect of administration of co Q10 on pain alleviation in a neuropathic pain model of spinal cord injury.
12. M Masoumipoor, SB Jameie, A Janzadeh, F Nasirinezhad, M Soleimani. Effects of 660- and 980-nm low-level laser therapy on neuropathic pain relief following chronic constriction injury in rat sciatic nerve. *Lasers in medical science*. 2014; 29(5):1593-8, 2014
13. M Masoumipoor, SB Jameie, A Janzadeh, F Nasirinezhad, M Kerdari, et al. Effects of 660 nm Low Level Laser Therapy on Neuropathic Pain Relief Following Chronic

Constriction Injury in Rat Sciatic Nerve. Archives of Neuroscience. 2014; 1(2): 76-81, 2014.

14. F Nasirinezhad, F Mirzakoochak Khoshnevis, K Parivar, Gh Amin. Antifertility effect of aqueous extract of areal part of *Ruta graveolens* on immature female Balb/C mice. Journal of physiology and pharmacology. 2010;14(1):168-76.
15. F Nasirinezhad, E Ramezani Nik, M Sadeghi, S Mohammad Fereshtenezhad comparison between the effects of gonadal hormones on nociceptive behavior of male rats in two neuroathic pain models. physiology and pharmacology. 2009;13(2):139-50.
16. Does low birth weight predict hypertension and obesity in schoolchildren? Annals in nutrition and metabolism 2013. Published online; august 8.
17. Relationship between breast feeding and obesity in children with low birth weight. Iranian red crescent medical journal. 2013;15(3):676-82.
18. Apelin-13 protects the brain against ischemic reperfusion injury and cerebral edema in a transient model of focal cerebral ischemia. J Mol Neurosci. 2012 Sep;48(1):201-8.
19. Development of conopeptide gene therapy tools for rodent chronic spinal cord injury pain cell transplantation. 2010;19: 354.
20. Use of viral vectores encoding endomorphins and histogranin for pain alleviation in a rodent spinal cord injury model cell transplantation. 2011; 20: 57.
21. Concentration-effects Relationship of intraperitoneal adminsitration of of 1,25 dihydroxy vitamin D3 in a chronic constriction model of neuropathic pain. Basic and clinical neuroscience. 2011; 2(3):43-50.
22. Differentiation pain resulting from cervical posterior hisotomy is alleviated by chromaffin cell transplants into the rat spinal subarachnoid space. Neurosurgery. 2007; 60: 919-25.
23. Effect of intrathecal transplantation of adrenal medullary tissue on the sciatic nerve regeneration following chronic constriction injury in the rat. Yakhteh medical journal. 2005; 7 (2); 68-73.
24. NMDA antagonist peptide supplementation enhances pain alleviation by adrenal medullary transplants. Cell transplantation. 2005;14 :203-11.
25. Adrenal medullary transplants show enhanced analgesic effects with NMDA antagonist peptide histogranin. Exp. Neurol. 2004; (187)215.
26. Cumulative effect of intrathecal adrenal medulla transplantation and histogranin injection in alleviation of neuropathic pain in rat Exp. Neurol. 2003; (181) 100.
27. Effect of the aqueous extract of the aerial part of the *Ruta graveolens* on the spermatogenesis of immature Balb/C mice. Journal of Iran university of medical sciences. 2007; No:56.
28. Effect of alcoholic extract of *Ruta graveolens* on reproductive system function of immature female Balb/C mice. Journal of Iran university of medical sciences. 2007;No:56.
29. Antinociceptive effect of 1, 25 Dihydroxy vitamin D3 in a neuropathic pain model. Iran university of medical sciences. 2007; (56): 181-90.

30. Effect of intrathecal transplantation of adrenal medulla on sensory and motor behavior in an animal pain model. Iran University of medical sciences, (31), 2002.
31. Effect of vagotomy on testosterone secretion control, Iran University of medical sciences, (1), 1999.
32. Asymmetry in neural structures controlling gonadal function. Pejouhandeh. 1998 (3).

Awards:

1. award from IASP 2010
2. award from ASNTR 2009
3. award from ASNTR 2010
4. award from SFN 2011