

## Personal Details:

Name: Esmael Izadpanah

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Kurdistan University of Medical Sciences, Medical School Pasdaran Street Sanandaj, Iran

## Academic Qualifications:

PhD 2010 Physiology

Baqiyatallah University of Medical Sciences. Tehran Iran Master of Science 2002 Physiology

Iran University of Medical Sciences. Tehran Iran

Bachelor of Science 1997 Nursing

Tabriz University of Medical Sciences Tabriz - Iran

# Positions and Work Experiences:

Associate Professor and Faculty Member, Kurdistan University of Medical Sciences 2011-present

Head of Department of Physiology and Pharmacology, Kurdistan University of Medical Sciences 2016- present

## Ph.D. Thesis:

Assessment of Simultaneous Injection of Neural Stem Cells and (-)-Deprenyl to Improve Contusive Spinal Cord Injury in Rats

## Publications:

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| 1. Izadpanah E, Ahmadi S, The Effect of Intraperitoneal Injection of High Dose of Glibenclamide in The Rats on The Vascular Response of Isolated Aortic Rings to Acetylcholine, Isosorbide Dinitrate and Phenyl Ephrine. Scientific Journal of Kurdistan University of Medical Sciences, 2003; 4: 11-19.
2. Shafiei M, Homayounfar H, Izadpanah E, Mahmoudian M. STUDY ON THE VASCULAR EFFECTS OF CHRONIC ADMINISTRATION OF TWO SULFONYLUREAS, CHLORPROPAMIDE AND GLIBENCLAMIDE, ON THE HEALTHY RAT THORACIC AORTA. Journal of Iran University of Medical Sciences. 2003; 38: 885-94.
3. Izadpanah E, Saleh Nezhad G, Ahmadi S, Shahsavari S. The effect of a 6 month treatment course of male healthy rats by chlorpropamide and glibenclamide on vascular tone of aorta. Scientific Journal of Kurdistan University of Medical Sciences. 2007; 12(1): 46-53.
4. Fathi F, Jafari Kermani A, GolbarM.R., Izadpanah E., Golmohammadi M.Gh., Mowla S.J., Asgari A. Isolation, Induction of Neural and Glial Differentiation and Evaluating the Expression of Five Self Renewal Genes in Adult Mouse Neural Stem Cells. Journal of Iranian Anatomical Sciences. 2007; 5(19): 81-92.
5. Izadpanah E, Fathi F, Rezaie MJ, Asgari A, Assessment of functional recovery of contusive spinal cord injury by administration of (-)-Deprenyl in rats. Scientific Journal of Kurdistan University of Medical Sciences. 2009; 14(3): 1-10.
6. Golbar MR, Fathi F, Mowla S J, Soheili F, Ahmadi A, Izadpanah E. Gene Expression Profiling of NCAM, NCAM-L1, N-Cadherin, Ninjurin-1 and Ninjurin-2 during the Course of Differentiation of Murine Neural Stem Cells. Yakhteh Medical Journal. 2010; 11(4): 390-399.
7. Izadpanah E, Nemati M, Charkhpour M, Hassanzadeh K. Minocycline prevents morphine-induced elevation of glutamate level in cerebral cortex and lumbar region of spinal cord of rat: a potential mechanism for attenuating of tolerance to the analgesic effect of morphine. Scientific Journal of Kurdistan University of Medical Sciences. 2010; 57: 1-12
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| 1. Izadpanah E, Fathi F, Hassanzadeh K, Asgari A. Assessment of Simultaneous Injection of Neural Stem Cells and (-)-Deprenyl to Improve Contusive Spinal Cord Injury in Rats. Yakhteh Medical Journal. 2010; 12(3): 411-420.
2. Abedini M, Afkhamzadeh A, Sattari S, Ahmadi A, Izadpanah E, Janmardi R. Correlation between Procalcitonin, CBC, ESR, and CRP before and after Treatment of Systemic Inflammatory Response Syndrome in Children Aged 1-36 Months. Medical Journal of Tabriz University of Medical Sciences and Health Services. 2011; 33(5): 61 65.
 |
| 1. Hassanzadeh K, Roshangar L, Habibi-asl B, Farajnia S, Izadpanah E, Nemati M, Arasteh M, Mohammadi S. Riluzole prevents morphine-induced apoptosis in rat cerebral cortex. Pharmacol Rep. 2011; 63(3):697-707.
 |
| 1. Mollasalimi N, Ghanbari F, Izadpanah E, Khosropanah H, Rostami A, Ahmadi A, Kurd S, Amini A, Tavakoli T, Hasanzadeh K. Effect of methanolic and n-hexanic extracts of Allium porrum L. on some human coagulation tests in vitro. Scientific Journal of Kurdistan University of Medical Sciences. 2011; 15: 33-42.
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| 1. Ghavimi H, Izadpanah E, Hassanzadeh K. Minocycline: A Reasonable Choice for Combination Therapy in Management of Pharmacoresistant Epilepsy. Biomedicine International 2011; 2: 28-31.
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| 1. Charkhpour M, Parvizpour A, Ebrahimi F, Izadpanah E, Hasanzadeh K. Evaluation of the effect of intra cerebroventricular administration of CCPA on reduction of tolerance to the analgesic effect of morphine in rat. Scientific Journal of Kurdistan University of Medical Sciences 2011; 15(4): 1-9.
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| 1. Hasanzadeh K, Izadpanah E, Fathi F, Allahdini F, Salehnejad Q, Asgari A. Isolation of rat embryonic cortical neural stem cells and induction of differentiation SJKU. 2012; 16 (4):44-49.
 |
| 1. Habibi-asl B, Barati AH, Darvishi N, Izadpanah E, Mafakheri M, Hasanzadeh K. The Effect of nicorandil and glibenclamide on morphine-induced tolerance to the analgesic effect. SJKU. 2012; 16 (4): 60-69.
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| 1. Khatibi-baneh S, Izadpanah E, Ebrahimi Vosta Kolae S, Abdolmaleki A, Ghaderi M, Hasanzadeh K. The effect of carbenoxolone on morphine-induced withdrawal symptoms in rats. SJKU. 2013; 18 (1) :27-39
 |
| 1. Izadpanah E, Abdolmaleki A, Khatibi Baneh S, Ghaderi M, Kurd S, Hasanzadeh K. The effect of donepezil on morphine-induced withdrawal syndrome in rats. SJKU. 2013; 18 (3) :55-63
 |
| 1. Amini Y, Moloudi R, Izadpanah E, Hassanzadeh K. N-Acetylcysteine Provides Analgesic Effect in Rats. Journal of Isfahan Medical School 2013; 31(257): 1-8.
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| 1. Eslamipour J, Mozafari D, Izadpanah E, Hassanzadeh K. Association between plasma homocysteine and diabetic retinopathy in type II diabetes mellitus. Chron Dis J 2014; 2(2): 1-6
 |
| 1. Hassanzadeh K, Moloudi R, Nikzaban M, Moghbel H, Izadpanah E. Selegiline increases the mouse neural stem cell differentiation into neurons. Journal of Isfahan Medical School 2014; 32(276): 212-219.
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| 1. Rahimmi A, Khosrobakhsh F, Izadpanah E, Hassanzadeh K. Induction of Parkinson’s Disease Model in Rat by Rotenone. Journal of Isfahan Medical School 2014; 32(296): 1250-8.
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| 1. Sharifipour M, Izadpanah E, Nikkhoo B, Zare S, Abdolmaleki A, Hassanzadeh K, Moradi F, Hassanzadeh K. A new pharmacological role for donepezil: attenuation of morphine-induced tolerance and apoptosis in rat central nervous system. J Biomed Sci. 2014 Jan 23; 21:6. doi: 10.1186/1423-0127-21-6.
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| 1. Ghaderkhani S, Raman Moloudi M, Izadpanah E, Mohammadi R, Rostami A, Khomand P,

Hassanzadeh K. Effect of Hydroalcoholic Extract of Cinnamomum on Strychnine-InducedSeizure in Mice. J Isfahan Med Sch 2014; 32(299): 1-8. |
| 1. Moloudi MR, Hasanzadeh K, Rouhani S, Zandi F, Ahmadi A, Khalwatian P, Rostami A, Sheikh Esmaeili F, Izadpanah E. Effect of chloroformic extract of Cichorium intybus on liver function tests and serum level of TNF-α in obstructive cholestasis in rat. SJKU. 2014; 19 (4):10-19.
2. Amini H, Hassanzadeh K, Izadpanah E, Moloudi M.R. Effect of Systemic Administration of Mefloquine on Morphine-Induced Withdrawal Symptoms in Rats. J Mazandaran Univ Med Sci 2015, 24(121): 86-93.
3. Haydari S, Hassanzadeh K, Moloudi MR, Izadpanah E \*. Effect of hydroalcoholic extract of Cinnamomum on morphine-induced withdrawal symptoms in rats. SJKU 2015, 20(2): 8-14.
4. Rahimmi A, Khosrobakhsh F, Izadpanah E, Moloudi MR, Hassanzadeh K. N-acetylcysteine prevents rotenone-induced Parkinson's disease in rat: An investigation into the interaction of parkin and Drp1 proteins. Brain Res Bull. 2015; 113:34-40.
5. Ghasemi F, Moradi A, Izadpanah E, Moloudi MR, Hassanzadeh K, Rahimmi A, Hassanzadeh K. Simvastatin prevents morphine antinociceptive tolerance and withdrawal symptoms in rats. J Formos Med Assoc. 2015 May; 114(5):399-406. doi: 10.1016/j.jfma.2014.07.011.
6. Hassanzadeh K, Nikzaban M, Moloudi MR, Izadpanah E. Effect of selegiline on neural stem cells differentiation: a possible role for neurotrophic factors. Iran J Basic Med Sci 2015; 18:549‐554.
7. Zanjani B, Moloudi MR, Izadpanah E, Hassanzadeh K. Effect of Methylphenidate on methadone-induced analgesia in rat. Journal of Isfahan Medical School 2015; 33(327): 316-325
8. Shirzad H, Bagheri N, Azadegan-Dehkordi F, Zamanzad B, Izadpanah E, Abdi M, Ramazani G, Sanei MH, Ayoubian H, Ahmadi A, Jamalzehi S, Aslani P, Zandi F. [New insight to IL-23/IL-17 axis in Iranian infected adult patients with gastritis: effects of genes polymorphisms on expression of cytokines.](http://www.ncbi.nlm.nih.gov/pubmed/26151690) Acta Gastroenterol Belg. 2015 Apr-Jun; 78 (2):212-8.

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| 1. [Hassanzadeh](http://sjku.muk.ac.ir/search.php?slc_lang=en&sid=1&auth=Hassanzadeh) A,  [Shahvaisi](http://sjku.muk.ac.ir/search.php?slc_lang=en&sid=1&auth=Shahvaisi) K,  [Hassanzadeh](http://sjku.muk.ac.ir/search.php?slc_lang=en&sid=1&auth=Hassanzadeh) K,  [Izadpanah](http://sjku.muk.ac.ir/search.php?slc_lang=en&sid=1&auth=Izadpanah) E,  [Amini](http://sjku.muk.ac.ir/search.php?slc_lang=en&sid=1&auth=Amini) A , [MoulodiMR.](http://sjku.muk.ac.ir/search.php?slc_lang=en&sid=1&auth=Moulodi) Effects of rebamipide and encapsulating rebamipide with chitosan capsule on inflammatory mediators in rat experimental colitis. SJKU 2015, 20(3): 94-104.
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| 1. Shafie A, Moradi F, Izadpanah E, Mokarizadeh A, Moloudi MR, Nikzaban M, Hassanzadeh K. Neuroprotection of donepezil against morphine-induced apoptosis is mediated through Toll-like receptors. Eur J Pharmacol. 2015 Jul 11; 764:292-297.

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| 1. Hassanzadeh K, Khodadadi B, Moloudi MR, Amini H, Rahmani MR, Izadpanah E. A new pharmacological role for thalidomide: Attenuation of morphine-induced tolerance in rats. Acta Anaesthesiol Taiwan. 2016 Jun;54(2):65-9. doi: 10.1016/j.aat.2016.06.002. pubmed

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| 1. [Izadpanah](http://sjku.muk.ac.ir/search.php?slc_lang=en&sid=1&auth=Izadpanah) E, [Nikandam](http://sjku.muk.ac.ir/search.php?slc_lang=en&sid=1&auth=Nikandam) F,  [Moloudi](http://sjku.muk.ac.ir/search.php?slc_lang=en&sid=1&auth=Moloudi) MR,  [Hassanzadeh](http://sjku.muk.ac.ir/search.php?slc_lang=en&sid=1&auth=Hassanzadeh) K. [Evaluation of the analgesic effect of hydroalcoholic extract of Cinnamomum in rats](http://sjku.muk.ac.ir/article-1-2542-en.pdf). SJKU 2016, 21(4): 41-48. Scopus
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1. Izadpanah El, Hassanzadeh K, Yousefinejad V, Shahveisi K, Fatahi N, Moloudi MR\*. Effect of selegiline on liver cholestasis induced by bile duct ligation in rat. SJKU 2016, 21(5): 20-30. Scopus
2. Izadpanah E, Rahmanpour A. The Local Effect of rosemary essence on healing of the cutaneous incisional wounds in the rats infected with Staphylococcus aureus. SJKU 2017, 22(3): 10-19. Scopus
3. Ebrahimi SS, Oryan S, Izadpanah E, Hassanzadeh K. Thymoquinone exerts neuroprotective effect in animal model of Parkinson’s disease. Toxicology Letters, 2017, 276, 108-114.ISI
4. Moloudi, M.R., Moqbel, H., Dastan, D., Hassanzadeh, K., Nouri, B., Izadpanah, E. Effect of hydro-alcoholic extract of jasminum sambac on morphine withdrawal symptoms in rats. SJKU 2018, 23(1): 1-7. Scopus
5. Abdollahi O, Moloudi M R, Dastan D, Hassanzadeh K, Izadpanah E. Analgesic effect of Jasminum sambac hydro alcoholic extract in rats: role of the GABAergic and opioidergic pathways. SJKU. 2018; 23 (3) :19-25. Scopus
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**Research Interests:**

- Behavioral and Molecular Neuroscience

- Parkinson’s Disease in animal models

- Developmental Neurobiology

- Addiction

- Pain

- Cell Culture

- Stem Cell

## Professional Membership:

* Educational and Research Council of the School of Medicine, Kurdistan University of Medical Sciences
* Research council of the Cellular and Molecular Research Center, Kurdistan University of Medical Sciences

**Key Skills:**

* Experimental research methods
	+ - * Teaching Experiences:
			* Physiology for Medical students
			* Physiology for Nursing students

# Interests:

Iranian and Kurdish traditional music,

Language: fluent in Farsi, Kurdish, English, and familiar with Arabic

**Health Care Charity Contributions:**