

Rezazadeh C.V



Personale Information

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Degree and qualification

PhD of Medical Physiology

Employment / Professional experience

Since 2012 Physiology & Pharmacology Research Center of Rafsanjan University of Medical Sciences.

Research interest

Insulin resistance, insulin mechanism of secretion, beta regeneration, stroke

Research techniques

1. Animal handling
2. Cannulation
3. Organ perfusion
4. Hyperinsulinemic euglycemic clamp
5. Inducing type 1 and type 2 diabetes
6. Real-time PCR
7. RT-PCR
8. Inducing transient middle cerebral artery occlusion (TMCAO) by clot and microfilament in rat or mice.
9. Inducing permanent middle cerebral artery occlusion (PMCAO) in rat or mice
10. Behavioral tests after inducing stroke (Bederson test, Hanging test, sticky test, coronal test)
11. TTC staining and analyzing the stained brain sections in ischemia-reperfusion injury
12. Image J software
13. RNA isolation from tissue and cell
14. DNA isolation from tissue and cell
15. Insulin and glucagon measurement
16. Take blood sample from rat and mice
17. Inducing hypertension with model of 2 kidney 1 clip (2K-1C) in rat
18. Inducing postconditioning in small animals
19. Ovariectomy in rat and mice

Membership of professional organizations, committee and societies

- Physiology and pharmacology society
- Isfahan Endocrine Research Center
- Neurosciences Center at Rafsanjan University of Medical Sciences (RUMS)

Selected publications

1. Gamma-aminobutyric acid attenuates insulin resistance in type 2 diabetic patients and reduces the risk of insulin resistance in their offspring

Rezazadeh H, Mohammad Reza Sharifi, Mohammadreza Sharifi, Nepton Soltani
Biomedicine & Pharmacotherapy 138 (2021) 111440

2. Insulin resistance and the role of gamma-aminobutyric acid

Rezazadeh H, Sharifi MR, Soltani N. Insulin resistance and the role of gamma-aminobutyric acid. J Res Med Sci 2021

3. Neuroprotective consequences of postconditioning on embolic model of cerebral ischemia in rat.

Rezazadeh H, Hoseini Kahnuee M, Roohbakhsh A, Shamsizadeh A, Rahmani MR, Bidaki R, Amin F, Kamali B, Bakhshi H, Allahtavakoli M.
Iran J Basic Med Sci. 2013 Feb;16(2):144-9.

4. Proinflammatory cytokines in the embolic model of cerebral ischemia in rat.

Jafarinaveh HR, Allahtavakoli M, **Rezazadeh H**, Kazemi Arababadi M, Taghavi MM, Shamsizadeh A, Rahmani MR.
Iran J Allergy Asthma Immunol. 2014 Apr;13(2):125-30.

5. Delayed combination therapy of local brain hypothermia and decompressive craniectomy on acute stroke outcome in rat.

Allahtavakoli M, Kahnouei MH, **Rezazadeh H**, Roohbakhsh A, Mahmoodi MH, Moghadam-Ahmadi A, Zarisfi M.
Iran J Basic Med Sci. 2014 Jul;17(7):476-82.

6. Regulatory effects of chronic low-dose morphine on nitric oxide level along with baroreflex sensitivity in two-kidney one-clip hypertensive rats.

Rezazadeh H, Hosseini Kahnouei M, Hassanshahi G, Allahtavakoli M, Shamsizadeh A, Roohbakhsh A, Fatemi I, Zarisfi M, Pourshanazari AA.
Iran J Kidney Dis. 2014 May;8(3):194-200.

7. Effect of co-administration of morphine and nicotine on cardiovascular function in two-kidney one clip hypertensive (2K1C) rats.

Zeinivand M, Rahmani MR, Allahtavakoli M, Shamsizadeh A, Hassanshahi G, **Rezazadeh H**, Pourshanazari AA.
Bosn J Basic Med Sci. 2013 Aug;13(3):140-5.

8. The Effect of Mechanical Control of Brain Blood Flow on the Embolic Model of Stroke after Delayed Tissue Plasminogen Activator Therapy in Ovariectomized Rat

Rezazadeh H, M.H. Hosseini Kahnouei, I. Fatemi, A. Shamsizadeh,
E. Hakimzadeh, M. Allahtavakoli
J Babol Univ Med Sci; 16(6); Jun 2014

9. The Effect of Exercise Preconditioning on Tactile Learning Following Transient Cerebral Ischemia in Male Rats

Tahamtan M, Allahtavakoli M, Taghavi MM, **Rezazadeh H**, Arababadi MK, Shamsizade A
Journal Of Zanjan University Of Medical Sciences And Health Services 2013

10. Effect of General Hypothermia on the Embolic Model of Stroke in the Male Rat

Ehsani V, Dashti MH, Rezvani ME, **Rezazadeh H**, Shamsizadeh A, Mobini M, Hakimizadeh E, Allahtavakoli M

Journal of Shahid Sadoughi University of Medical Sciences
Vol. 21, No. 6, Jan-Feb 2014 Pages: 776-783

11. The Effect of Sneezing on the Reduction of Infarct Volume and the Improvement of Neurological Deficits in Male Rats

Vanaie M, Valiyan Boroujeni M, Motavallipour Abarghuie H, Pourshanazari AA, **Rezazadeh H**.

Adv Biomed Res. 2018 Nov 27;7:142. doi: 10.4103/abr.abr_119_18. eCollection 2018.

12. TRPV1 receptor-mediated expression of Toll-like receptors 2 and 4 following permanent middle cerebral artery occlusion in rats.

Hakimizadeh E, Shamsizadeh A, Roohbakhsh A, Arababadi MK, Hajizadeh MR, Shariati M, Fatemi I, Moghadam-Ahmadi A, Bazmandegan G, **Rezazadeh H**, Allahtavakoli M.

Iran J Basic Med Sci. 2017 Aug;20(8):863-869. doi: 10.22038/IJBMS.2017.9107.

13. Transient brain hypothermia reduces the reperfusion injury of delayed tissue plasminogen activator and extends its therapeutic time window in a focal embolic stroke model.

Zarisfi M, Allahtavakoli F, Hassanipour M, Khaksari M, Rezazadeh H, Allahtavakoli M, Taghavi MM.

Brain Res Bull. 2017 Sep; 134:85-90. doi: 10.1016/j.brainresbull.2017.07.007. Epub 2017 Jul 11.

References

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