

Personal Information

Name: Mohammad raze

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Date of Birth: June 22, 1968

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Academic Background

M.Sc. Thesis

“Calcium channel blockers attenuate chronic inflammation in rat knee joints”, M.Sc. Thesis,
Kerman University of Medical Sciences, Supervisor: Dr. M.Khaksari haddad

Ph.D. Thesis

- “The effects of MAGL pathway inhibition (JZL-184) on stroke outcome, its interaction with cannabinoid system and r-tPA side effects in mice pMCAO model”, Ph.D. Thesis, *Rafsanjan University of Medical Sciences*, Supervisor: Dr. M.Tavakoli

Publications

1- Opium can differently alter blood glucose, sodium and potassium in male and female rats
GA Karam, HR Rashidinejad, MM Aghaee, J Ahmadi, **MR Rahmani**, Pak J Pharm Sci 21 (2), 180-4, 2008.

2-Neuroprotective consequences of postconditioning on embolic model of cerebral ischemia in rat.H Rezazadeh, MH Kahnuee, A Roohbakhsh, A Shamsizadeh,Iranian journal of basic medical sciences 16 (2), 144-19, 2013.

3-Proinflammatory cytokines in the embolic model of cerebral ischemia in rat.
HR Jafarinaveh, M Allahtavakoli, H Rezazadeh, MK Arababadi, Iranian Journal of Allergy, Asthma and Immunology, 125-130, 2014.

4-Protective effect of atorvastatin on d-galactose-induced aging model in mice
E Kaviani, **MR Rahmani**, A Kaeidi, A Shamsizadeh, M Allahtavakoli,Behavioural brain research 334, 55-60,2017.

5-PRISMA; Preferred Reporting Items for Systematic Reviews and Meta-Analyses
S Asar, S Jalalpour, F Ayoubi, **MR Rahmani**, M Rezaeian.Journal of Rafsanjan University of Medical Sciences 15 (1), 68-80, 2016.

6-Effect of vitex agnus castus extraction on anxiety-like behaviors in ovariectomized rats
N Honari, I Pourabolli, E Hakimizadeh, A Roohbakhsh, A Shamsizadeh,JOURNAL OF BABOL UNIVERSITY OF MEDICAL SCIENCES (JBUMS) 14 (568), 29-35,2012.

7-Effect of aqueous extract of Descurainia sophia on castor oil-induced diarrhea in male rat
F Ayoobi, B Kamali, A Shamsizadeh, MA Sajadi, A Roohbakhsh, Journal of Rafsanjan University of Medical Sciences 12 (2), 149-156, 2013.

8-A survey on stimulatory effects of topical application of radioactive lantern mantle powder on wound healing,SMJ Mortazavi, **MR Rahmani**, A Rahnama, A SAEIDPOUR, E Nouri,IRANIAN JOURNAL OF RADIATION RESEARCH (IJRR) 6 (2), 97-102,2008.

9-Inhibition of transient receptor potential vanilloid-1 confers neuroprotection, reduces tumor necrosis factor-alpha, and increases IL-10 in a rat stroke model.E Hakimizadeh, A Shamsizadeh, A Roohbakhsh, MK Arababadi,Fundamental & clinical pharmacology 31 (4), 420-428,2017.

10-A Standard for the Reporting of Diagnostic Accuracy Studies.S Jalalpour, S Assar, F Ayoubi, MR Rahmani, M Rezaeian.Journal of Rafsanjan University of Medical Sciences 14 (1), 57-68,2015.

11-Effect of garlic extract on gastric acid and pepsin secretion in rat.M Shahrani, M Rafieian, H Shirzad, M Hashemzadeh, H Yoosefi, **MR Rahmani**. KAUMS Journal (FEYZ) 10 (4), 8-13,2007.

12-The role of capsaicin-induced acute inactivation of C-fibers on tactile learning in rat
MR Rahmani, S Rajabi, M Allahtavakoli, A Roohbakhsh, V Sheibani,Iranian journal of basic medical sciences 16 (2), 129,2013.

13-The Bio-positive Effects of Burned Radioactive Lantern Mantle Powder on the Wound Healing in Rat.SMJ Mortazavi, **MR Rahmani**, A Rahnama, J AhmadiKahnali, ...Journal of Rafsanjan University Of Medical Sciences 5 (2), 89-96,2006.

14-Effect of co-administration of morphine and nicotine on cardiovascular function in two-kidney one clip hypertensive (2K1C) rats.M Zeinivand, **MR Rahmani**, M Allatavakoli, A Shamsizadeh, ...Bosnian journal of basic medical sciences 13 (3), 140,2013.

15-Internal evaluation of physiology department of Rafsanjan University of Medical Sciences.M Allahtavakoli, A Roohbakhsh, **MR Rahmani**, H Bakhshi, F Amin, ...Journal of Rafsanjan University of Medical Sciences 12 (3), 233-242,2013.

16-The Consort (Consolidated Standards Of Reporting Trials).F Ayoobi, MR Rahmani, S Assar, S Jalalpour, M Rezaeian.Journal of Rafsanjan University of Medical Sciences 15 (10),2017.

17-ASSESSMENT OF FOENICULUM VULGARE L. METHANOLIC EXTRACT EFFECT ON A MODEL OF PARKINSON'S DISEASE INDUCED BY ICV INJECTION OF 6-HYDROXYDOPAMIN IN FEMALE RATS, USING BEHAVIORAL TESTS. H Nakisa, F Ayoobi, V Ehsani, M Akramian, F Khajehasani, **MR RAHMANI**. JOURNAL OF BIRJAND UNIVERSITY OF MEDICAL SCIENCES 22 (2), 125-133,,2015.

18-Effect of chronic morphine treatment on tactile learning in rat.M Talebi, M Mashayekhi, S Rajabi, **MR Rahmani**, A Roohbakhsh. African Journal of Pharmacy and Pharmacology 5 (19), 2128-2131, 2011.

19-Short-term effects of troxerutin (vitamin P4) on muscle fatigue and gene expression of Bcl-2 and Bax in the hepatic tissue of rats.M Zamanian, A Shamsizadeh, A Esmaeili Nadimi, M Hajizadeh, **MR Rahmani**. Canadian journal of physiology and pharmacology 95 (6), 708-713, 2017.

20-The Possible Role Of Toll-Like Receptor 4 In The Pathology of Stroke.M Allahtavakoli, A Shamsizadeh, A Roohbakhsh, A Moghadam-Ahmadi, **MR Rahmani**. Advances in Biosciences & Clinical Medicine, 8, 2017.

21-Calcium channel blockers attenuate chronic inflammation in rat knee joints
MR Rahmani, M Allahtavakoli, M Mahmoodi, G Hassanshahi, African Journal of Pharmacy and Pharmacology 7 (18), 1081-1087, 2013.

22-The alterations of serum cortisol level and blood count in male rats after a short term exposure to burned radioactive lantern mantle powder.MJ Mortazavi, M Asiabana Rezaiee,

MR Rahmani, M Rezieean, ...Zahedan Journal of Research in Medical Sciences 11 (4), 0-0, 2010.

23-Effect of Periodontal Diseases on Plasma Level of LDL, HDL and Total Cholesterol in Rats.MD Hamidreza Rashidinejad, DDS Houman Mehrizi, DDS Amin Arsalan, ...OFFICIAL QUARTERLY PUBLICATION OF THE IRANIAN HEART ASSOCIATION,2009.

24-THE ROLE OF LOCUS CORELEUS NEURONS ON CEREBRAL BLOOD FLOW AND SEZIURE IN STRESS RAT.MR RAHMANI, ME REZVANI, H AZIN, M SHARIATI, 2009.

25-Decrease in blood flow and temperature of rat knee joint by calcium.M Khaksarihadad, **MR Rahmani**, GH AsadiKaram, S Hajizadeh,Hormozgan Medical Journal 10 (4), 311-320,2007.

26-THERAPEUTIC ULTRASOUND INDUCED ENHANCEMENT OF TRANSDERMAL TRANSPORT OF INSULIN IN RATS.SMJ MORTAZAVI, **MR RAHMANI**, SH DERAKHSHAN, MM AGHAEI, ...2007.

27-The overall results of a study on the stimulatory effects of topical application of radioactive lantern mantle powder.SMJ Mortazavi, **MR Rahmani**, A Rahnama, A Saeed-Pour, E Nouri.

28-Local Brain Ischemia Inducing in Rat by Embolic Model of Stroke.M Allahtavakoli, R Moloudi, B Heshmatian, **MR Rahmani**, ME Rezvani, ...Isfahan University of Medical Sciences(IUMS) 26 (89), 158~ 166.

29- Treatment with troxerutin protects against cisplatin-induced kidney injury in mice.Dehnamaki, Karimi, Pilevarian, Fatemi, Hakimizadeh, Kaeidi, Allahtavakoli, **Rahmani**, Khademalhosseini, Bazmandegan, 2019.

30- Protective effect of atorvastatin on D-galactose-induced aging model in mice Elham Kaviani, **Mohammadreza Rahmani**, Ayat Kaeidi, Ali Shamsizadeh, Mohamad Allahtavakoli, Nazanin Mozafari, Iman Fatemi, Behavioural Brain Research 334 55–60(2017).

31-Short-term effects of troxerutin (vitamin P4) on muscle fatigue and gene expression of Bcl-2 and Bax in the hepatic tissue of rats.Mohammad Zamanian, Ali Shamsizadeh, Ali Esmaeili Nadimi, Mohammadreza Hajizadeh, Fatemeh Allahtavakoli, **Mohammadreza Rahmani**, Ayat Kaeidi, Hamidreza Safari Khalegh, Mohammad Allahtavakoli. Canadian Journal of Physiology and Pharmacology. Vol. 95, No. 6: pp. 708-713, 2017.

32- Effect of chronic morphine treatment on tactile learning in rat.Mohammad Talebi, Maryam Mashayekhi, Soodeh Rajabi, **Mohammadreza Rahmani**, Ali,Roohbakhsh and Ali Shamsizadeh. African Journal of Pharmacy and Pharmacology Vol. 5(19), pp. 2128-2131, 22 November, 2011.

33- Monoacylglycerol lipase inhibitor, JZL-184, confers neuroprotection in the Mice middle cerebral artery occlusion model of stroke.**Mohammad-Reza Rahmani**, Ali Shamsizadeh, Amir Moghadam-Ahmadi, Ayat Kaeidi,Mohammad Allahtavakoli. Life Sciences 198 143–148, (2018).

34- Monoacylglycerol Lipase Inhibitor is Safe when Combined with Delayed r-tPA Administration in Treatment of Stroke. **Mohammad-Reza Rahmani**, Ali Shamsizadeh, Elham Hakimizadeh, and Mohammad Allahtavakoli, Inflammation, Vol. 41, No. 6, December 2018.

35-JZL184, as a monoacylglycerol lipase inhibitor, down-regulates inflammation in a cannabinoid pathway dependent manner . **Mohammad-Reza Rahmani**, Ali Shamsizadeh, Amir Moghadam-Ahmadi, Gholamreza Bazmandegan , Mohammad Allahtavakoli. Biomedicine & Pharmacotherapy, Volume 103, , Pages 1720-1726 ,July 2018.

Technical Skills

- ✓ **Animal Handling (Rat & Mouse)**
- ✓ **Catheterization of Femoral arteries, Carotid and Jugular veins**
- ✓ **Creation of an ischemic brain model**
- ✓ **Creating a Rheumatoid Arthritis model**
- ✓ **Using a Doppler Laser Device for measure blood flow**
- ✓ **Investigation of inflammation in laboratory animals**
- ✓ **Creating an ovariectomy model in rats and mice**
- ✓ **Creating a pMCAO (permanent Middle Cerebral Artery Occlusion) model.**
- ✓ **Focal brain ischemia in rat & mice**

Research Interests

- ✓ *Focal brain ischemia*
- ✓ *Inflammation*
- ✓ *Diabetic disease treatment planning*
- ✓ *Brain Ischemia-reperfusion treatment*

Congress and Conference

1 - 16th Iranian Congress of Physiology and Pharmacology -Tehran- Terabit Modarres University-9-13May- 2003.

2-The 16th International Congress of Geographic Medicine - Shiraz -1-4 December 2003.

3-The 5th Annual Seminar on Researchers - Mashhad University of Medical Sciences, 12-14 October 2004.

4- 17th Iranian Congress of Physiology and Pharmacology – Kerman, 1-4 October 2005.

5 – 1st International Human, Life and Radiation Conference- Rafsanjan, 29- 31 October 2006.

6-Health conference in the teachings of the great Prophet – Rafsanjan, 23- February2007.

7- The 3th conference of dental students - Tehran 19-20 April2007.

8 – 19th Iranian Congress of Physiology and Pharmacology-Tehran, 6-10 Novaber-2009.

9- 1st International and 22nd Iranian Congress of Physiology and Pharmacology – Kashan University of Medical Sciences, 7- 11 Sept 2015.

10-The 1st Congress of Paramedical Sciences in Great Zone -8- Rafsanjan University of Medical,22 –February-2017.

11-2st International and 23nd Iranian Congress of Physiology and Pharmacology – zahedan University of Medical Sciences, 15- 18 February 2018.