

CV of Mohammad Allahtavakoli

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Education:

- PhD of Medical physiology, Dept of physiology, University of Tehran Medical Sciences 2006, Iran.

Awards:

- Six months Scholarship in Australia by the grant of medical education and health ministry, 2006, Melbourne, Australia.
- Fellowship of cerebral ischemia awarded by the grant of Matsumae International Foundation, 2009, Tokyo, Japan.

PhD dissertation topic:

- Effect of PPAR- γ Ligand on Focal Embolic Stroke Model and its Interaction with a Glutamate antagonist Receptor (Mk-801) in rat

Lectures:

- Neurophysiology and neuroscience for medical students (32 hours)
- Neurophysiology for dental students (20 hours)
- Respiratory physiology for medical & dental students (10 hours)
- General physiology for nursing students (40 hours)
- Midwifery physiology (48 hours)

Research

- My principal research interests lie in the field of cerebral ischemia (Stroke). Since hyperemia after reperfusion in ischemic stroke has devastating effects on neuronal death and some complications of rt-PA are due to its reperfusion properties, I am currently working on finding the ways to reduce hyperemia after thrombolytic therapy. I hypothesize that ameliorating hyperemia after thrombolytic therapy may widen therapeutic time window of rt-PA.

Publications in English ISI journals

1. Razavinasab M, Shamsizadeh A, Shabani M, Nazeri M, **Allahtavakoli M**, Asadi-Shekaari M, Esmaeli-Mahani S, Sheibani V. Pharmacological blockade of TRPV1 receptors modulates the effects of 6-OHDA on motor and cognitive functions in a rat model of Parkinson's disease. *Fundam Clin Pharmacol*. 2012 Nov 5. doi: 10.1111/fcp.12015.
2. Shimamura M, Taniyama Y, Katsuragi N, Koibuchi N, Kyutoku M, Sato N, **Allahtavakoli M**, Wakayama K, Nakagami H, Morishita R. Role of central nervous system periostin in cerebral ischemia. *Stroke*. 2012 Apr;43(4):1108-14. doi: 10.1161/STROKEAHA.111.636662
3. Rajabi S, Shamsizadeh A, Amini H, Shirazi M, **Allahtavakoli M**, Abbasnejad M, Sheibani V. Effect of DSP-4 induced central noradrenergic depletion on tactile learning in rat. *Neurol Res*. 2012 Jan;34(1):80-4.
4. **Allahtavakoli M**, Jarrott B. Sigma-1 receptor ligand PRE-084 reduced infarct volume, neurological deficits, pro-inflammatory cytokines and enhanced anti-inflammatory cytokines after embolic stroke in rats. *Brain Research Bulletin* 85 (2011) 219–224
5. **Allahtavakoli M**, Moloudi R, Rezwani ME, Shamsizadeh A. Effect of Morphine Withdrawal Syndrome on Cerebral Ischemia Outcome in Rats. *Iran J Basic Med Sci*. 2011; 14(1): 1-8.
6. **Allahtavakoli M**, Moloudi R, Arababadi MK, Shamsizadeh A, Javanmardi K. Delayed post ischemic treatment with Rosiglitazone attenuates infarct volume, neurological deficits and neutrophilia after embolic stroke in rat. *Brain Res*. 2009; 1271:121-7.
7. Rezvani ME, Roohbakhsh A, **Allahtavakoli M**, Shamsizadeh A. Anticonvulsant effect of aqueous extract of *Valeriana officinalis* in amygdala-kindled rats: possible involvement of adenosine. *J Ethnopharmacol*. 2010; 127(2):313-8.
8. **Allahtavakoli M**, Shabanzadeh A, Roohbakhsh A, Pourshanazari A. Combination therapy of rosiglitazone, a peroxisome proliferator-activated receptor-gamma ligand, and NMDA receptor antagonist (MK-801) on experimental embolic stroke in rats. *Basic Clin Pharmacol Toxicol*. 2007; 101(5):309-14.
9. **Allahtavakoli M**, Shabanzadeh AP, Sadr SS, Parviz M, Djahanguiri B. Rosiglitazone, a peroxisome proliferator-activated receptor-gamma ligand, reduces infarction volume and neurological deficits in an embolic model of stroke. *Clin Exp Pharmacol Physiol*. 2006; 33(11):1052-8.

10. **Allahtavakoli M**, Pourshanazari A, Heshmatian B. Vitamin E Derivative Alpha-Tocotrienol Failed to Show Neuroprotective Effects after Embolic Stroke in Rats. *Journal of Basic Medical Sciences*. 2009;12(1):9-17.

11. Hasanein P, Parviz M, Keshavarz M, Javanmardi K, **Allahtavakoli M**, Ghaseminejad M. Modulation of cholestasis-induced antinociception in rats by two NMDA receptor antagonists: MK-801 and magnesium sulfate. *Eur J Pharmacol*. 2007; 12:554(2-3):123-7.

Publications in Persian journals

1. **Allahtavakoli M**, Bani Asad F, Mahmoudi M. Effect of Hydro-Alcoholic Extract of *Artemisia aucheri* on Healing of Skin Wound in Rat. *J Mazand Univ Med Sci* 2010; 20(77): 70-76.
2. **Allahtavakoli M**, Arab Baniassad F, Baniassad Sh, Amin F. [Effect of immobilization stress on scratching behavior on male rat. *JSKUMS*. 2011 June, July; 13(2): 14-19.
3. **Allahtavakoli M**, Rezaee H, Kamrany N, Shamsizadeh A, Moloudi R, Amin F, khatami F. Ascorbic acid attenuates infarct volume and neurological deficits after the Embolic model of stroke in rat. *Journal of Rafsanjan Medical Sciences University*. 2009; 8(1):49-58.
4. **Allahtavakoli M**, Moloudi R, Heshmatian B, Rahmani MR, Rezvani ME. Local brain ischemia inducing in rat by embolic model of stroke. *Journal of Isfahan Medical School*. 2008; 26: 1-8.
5. Azarang A, Shamsizadeh A, Shaibani S, **Allahtavakoli M**, Rezvani E, Mahmoodi M. Calmodulin potentiates the antinociceptive effects of morphine. 2009; 8(1): 11-18.
6. Saboori E, Heshmatian B, **Allahtavakoli M**. Effects of local Angiotensin 1 in central Amygdale on blood pressure and heart rate of double-blat hypertensive rats. *Orumia medical journal*. 2008; 19(4):316-324.
7. Moossavi SM, Vafa M.R, **Allahtavakoli M**, et al. Evaluation of Urinary Riboflavin level of School-Age Children in Rafsanjan, 2004-2005. *Journal of Rafsanjan Medical Sciences University*. 2008; 4(2): 35-41.
8. **Allahtavakoli M**, Khaksari M, Assar Sh., Effect of Mummify on Skin Wound Healing in Male Rat. *Journal of Babol Medical University*. 2003; 22:5-12.

9. **Allahtavakoli M**, Hervabadi SH, Babae Gh. Effect of an Intervention Program on Weight Control & Self-esteem of Obese Students. *Journal of Asrar*.1995; 15:21-26.
10. **Allahtavakoli M**. et al, Prevalence & Related Factors with Unwanted Pregnancy in Rafsanjan, *Journal of Rafsanjan Medical Sciences University*. 2000; 1:20-25.
11. Solaimani M., **Allahtavakoli M**, a Survey on the Demand Rate for Medical Services & Related Factors in Rafsanjan. *Journal of Teb and Tazkiah*. 2004; 52: 52-59.
12. Hadavi M, **Allahtavakoli M**. Comparison of Endotracheal tube sizes used in 1-14 year old children with the standard formula. *Journal of Rafsanjan Medical Sciences University*. 2004; 3(4):276-281.
13. **Allahtavakoli M**, Shamsizadeh A, Mahmoodi M, Moloudi R, Rezvani ME. Effect of alpha tocotrienol and proxisome proliffrative-activated receptor ligand on the brain ischemia in male rat. *J Babol Univ Med Sci*. 2008; 10(3): 7-14.
14. Shafiee N, **Allahtavakoli M**, Razaati F, Kazemi M. Effect of Ramadan fasting on mental health of students of Jiroft nursing school. *J Rafsanjan Med Univ Sci*. 2007; 6: 73-78.
15. Kazemi M, Ansari A, **Allahtavakoli M**, Karimi S. Effect of Quran-reading sound on mental health of students of Rafsanjan nursing school. 2003; 3 (1): 52-56.
16. **Allahtavakoli M**. Rafiee Gh, Mashayekhi mazar J. A survey on adherence to preventative guidelines on household accidents in Rafsanjan houses in 2001. *J Rafsanjan faculty of nursing*. 2006; 1(2): 15-21.