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Date and Place of Birth 19th Jun 1967, Tabriz-Iran

Education:

1. Faculty of Pharmacy, Tabriz University of Medical Sciences, Pharm.D, 1985- 1990.
2. Physiology Department, Faculty of Medicine, Shaheed Behshti University of Medical Sciences, Ph.D., 1996-2002.

Present Position:

- Associate Professor, Physiology Department, Faculty of Medicine, Tabriz University of Medical Sciences.
- Head of physiology laboratory, Drug Applied Research Center, Tabriz University of Medical Sciences.

Honors and Awards:

Chosen as one of outstanding student researchers of the year 2000 by Tabriz University of Medical Sciences.

Scientific Associated Members:

- Iranian Society of Physiology and Pharmacology

Teaching Experiences:

- Taught Medical students (Nervous system, Endocrinology, Reproductive system and gastrointestinal system)
- Taught Paramedical students (all parts of physiology)
- Taught Master and Ph.D. students (Nervous system, Endocrinology, Cell physiology, work and handling of laboratory animals)

Training:

The international symposium, Animal Issues in Scientific Research, Yerevan, and 24-25 Oct 2005

Publications:

A. Books

- Babri Sh, Naginajad A, Experimental Physiology for Medical Students (in Persian). 1st ed. 2004.

B. Original Articles

1. **Babri S**, Khamnei S and Samadikhah J and Baiat M, Effects of atenolol on carotid baroreflex in normal and hypertensive volunteers. Medical Journal of Tabriz University of Medical Sciences (in Persian), 1996.
2. **Babri S**, Khamnei S and Motamedi F, Effects of halothan on learning and memory consolidation in male rats. Pharmaceutical Science Journal of Tabriz University of Medical Sciences (in Persian),2002.
3. **Babri S**, Khamnei S and Motamedi F, Effects of hypothermia on memory consolidation in male rats. Medical Journal of Tabriz University of Medical Sciences. (In Persian), 2005.
4. **Babri S** and Khalaji N, Effects of piracetam on memory disturbance due to elctromagnetic field exposure. Medical Journal of Ardebil University of Medical Sciences (in Persian), 2006.
5. **Babri S**, Saadati H, Ahmadiasl N and Shekhzadeh M, Effect of aerobic exercise on memory consolidation in passive avoidance in male young rats. Medical Journal of Tabriz University of Medical Sciences (in Persian), 2006.
6. Shahabi P, **Babri S**, Shahsavari M, Effects of transient and permanent inhibition of the amygdale on acquisition of piriform cortex kindled seizures in rats. Medical Journal of Tabriz University of Medical Sciences (In Persian),2007.
7. **Babri S**, Ordikhani M and Gholamipour H, Effects of intrahippocampal estradiol on memory consolidation in ovariectomized rats, Pharmaceutical Sciences (In Persian),2007 .
8. **Babri S** , Gholamipour H, Khamnei S and Ordikhani M, Effect of intrahippocampal injection of insulin on memory consolidation in normal rats, Brain and Cognition , MAR 2007.
9. **Babri S** , Gholamipour H, Ordikhani M, Gandchilar N, Comparison of insulin intrahippocampal injection on memory consolidation in normal and diabetic male rats Pharmaceutical Sciences (autumn 2007).
10. Reisi P, **Babri S**, Alaei H, Sharifi MR, Mohades G, Lashgari R, Effects of treadmill running on short term presynaptic plactivity at dentate gyrus of streptozotocin- induced diabetic rats, Brain Research, MAR 2008.
11. **Babri S**, Reisi P, Alaei H, Sharifi MR, Mohades G, Effect of forced treadmill exercise on long-term potentiation (LTP) in the dentate gyrus of hippocampus in male rats, J Physiology and Pharmacology(In Persian), Spring 2008.
12. Mohades G, Haj Ali V, **Babri S**, Effects of intracerebroventricular injection of different doses of insulin on spatial memory in healthy male wistar rats, Pharmaceutical Sciences (In Persian) spring 2008.
13. Saadati H, **Babri S**, Ahmadiasl N, Mashhadi M, Effects of exercise on memory retrieval in passive avoidance learning in young male wistar rats, Qom University of Medical Sciences journal ,Spring 2009, 41-49.
14. Reisi P, Alaei H, **Babri S**, Sharifi MR, Mohaddes G, Effects of treadmill running on spatial learning and memory in streptozotocin-induced diabetic rats, Neuroscience Letters, 455 (2009) 79–83.
15. Reisi P, **Babri S**, Alaei H, Sharifi MR, Mohaddes G, Noorbakhsh M, Lashgari R, Treadmill running improves long-term potentiation (LTP) defects in streptozotocin-induced diabetes at dentate gyrus in rats, Pathophysiology 17 (2010) 33–38.
16. Haj-ali V, Mohaddes G, **Babri S**, Intracerebroventricular Insulin Improves Spatial Learning and Memory in Male Wistar Rats, Behavioral Neuroscience, 123(2009), 1309–1314.
17. Reisi P, Alaei H, **Babri S**, Sharifi MR, Mohaddes G, Soleimannejad E, Determination of the extracellular basal levels of glutamate and GABA at dentate gyrus of streptozotocin-induced diabetic rats, Pathophysiology 16 (2009) 63–66.
18. **Babri S** ,Ghotbi R, Motamedi F, Razavi S, The effect of Intra hippocampal Injections of Dihydrotestosterone on Spatial Memory in intact Male Rats, Pharmaceutical Sciences, 15 (2009), 143-150.
19. Reisi P, Alaei H, **Babri S**, Sharifi M, Mohaddes G, Soleimannejad E, Rashidi B, Effects of treadmill running on extracellular basal levels of glutamate and GABA at dentate gyrus of streptozotocin-induced diabetic rats, JRMS, May & June 2010; Vol 15, No 3.

C.Abstracts

1. **Babri S** and Ahmadi N, Studying the relation of blood viscosity with hematocrit and blood pressure in healthy persons. 11th Iranian Congress of Physiology and Pharmacology, May 17-20, 1993, Tabriz- Iran.
2. Yazdchi L and **Babri S**, Inhibitory effects of interferon and TNF on human ovulation. Iranian Congress of Gynecology and Obstetrics. October 30- November 2, 1994. Tabriz- Iran.
3. **Babri S**, Khamnei S and Samadikhah J and Baiat M, Effects of atenolol on carotid baroreflex. 12th Iranian Congress of Physiology and Pharmacology, November 6-9, 1995. Tehran- Iran.
4. Khamnei S, Samadikhah J and **Babri S**, The effect of Atenolol on human carotid baroreflex, 12th International Conference on Pharmacoepidemiology, August 25-23, 1996. Amsterdam, the Netherlands.
5. **Babri S**, Khamnei S and Motamedi F, Assessment of the effect of hypothermia on memory consolidation in male rats, 5th Scientific Congress Federation of Asian & Oceanian Physiological Societies,
6. **Babri S**, Ebrahimi H and Khamnei S, Effects of intrahippocampal injection of scopolamine on memory and role of piracetam in prevention of amnesia, 15th Iranian Congress of Physiology and Pharmacology, November 5-8, 2001. Shiraz- Iran.
7. **Babri S**, Khamnei S and Farbood Y, Effects of halothane on memory consolidation in passive avoidance learning and role of piracetam in prevention of amnesia, 8th Iranian Seminar of Pharmaceutical Sciences, August 26-28, 2002. Shiraz- Iran.
8. **Babri S**, Motamedi F, Khamnei S and Nayebi A, Assessment of serotonin level changes following halothane anesthesia and hypothermia in CA1 area of hippocampus, 16th Iranian Congress of Physiology and Pharmacology, 9-13 May, 2003. Tehran- Iran.
9. **Babri S** and Khalaji N, Deficits on passive avoidance learning after exposure to electromagnetic field in male rats, 2nd FAONS symposium, 17-19 May, 2004, Tehran- Iran.
10. **Babri S**, Ordikhani M and Ebrahimi H, Effects of intrahippocampal injection of 17 beta estradiol and physostigmine on memory consolidation in ovariectomized rats, 17th Iranian Congress of Physiology and Pharmacology, 1-4 Oct, 2005. Kerman- Iran.
11. **Babri S**, Gholamipour H, Khamnei S and Ordikhani M, Effect of intrahippocampal injection of insulin on memory consolidation in normal rats, 29th Annual Meeting of the Japan Neuroscience Society, 19 -21 July, 2006. Kyoto- Japan.
12. **Babri S**, Saadati H, Ahmadiasl N, Effect of aerobic exercise on passive avoidance learning in male young rats. The 7th National Congress on Physical Education and Sport Science, 6-8 March, 2007, Tabriz, Iran.
13. **Babri S**, Saadati H, Ahmadiasl N, Effect of aerobic exercise on learning and memory in male young rats. 18th Iranian Congress of Physiology and Pharmacology, 26-30 Aug, 2007. Mashhad- Iran.
14. Ordikhani M **Babri S**, Ordikhani, Gholamipour H, Khamnei S Comparison of pre and post training intrahippocampal administration of estradiol on passive avoidance learning in female ovariectomized rats, 18th Iranian Congress of Physiology and Pharmacology, 26-30 Aug, 2007. Mashhad- Iran.
15. **Babri S**, Gholamipour H, Khamnei S and Ebrahimi H, Evaluation of intrahippocampal injection of insulin on memory consolidation in normal rats, 18th Iranian Congress of Physiology and Pharmacology, 26-30 Aug, 2007. Mashhad- Iran.

Research Interest

Learning and memory

Recent Projects

1. Effect of halothane, isofluran, hypothermia and scopolamine on memory consolidation and retrieval.
2. Assessment of serotonin level change following anesthesia with halothane and hypothermia in CA1 area of hippocampus. A microdialysis study.
3. Effects of electromagnetic field (50 Hz, 50G) on memory consolidation and retrieval in male rats.

4. Effects of intrahippocampal insulin injection on memory consolidation in normal and diabetic rats.
5. Effects of 17 beta estradiol and physostigmin intrahippocampal injection on memory consolidation in ovariectomized rats.
6. Effects of intrahippocampal injection of different doses of 17 beta estradiol on memory consolidation in ovariectomized rats.
7. Design and construction of electromagnetic field generator with special abilities.
8. Effects of exercise on learning and memory in male rats.
9. Effects of intraventricular insulin injection on spatial memory in normal rats.
10. Effects of amygdale full kindling on partial seizures.
11. Effects of regular exercise on LTP in dentate gyrus of normal and diabetic rats.
12. Effects of DHT intrahippocampal administration on spatial memory in hippocampally kindled male rats.
13. Effect of regular exercise on learning and memory, and basal level of glutamate in dentate gyrus of diabetic and healthy rats.
14. Effects of intra hippocampal injected-ghrelin on spatial memory in male rats with PTZ-induced seizures.