

General information

Name & Family name: Hossein Mirkhani
Date and place of birth: Oct 24, 1966, Tehran, Iran
Nationality: Iranian
Marital status: Married
Address:
Postal address: Department of Pharmacology
School of Medicine
Zand Blvd.
Shiraz 71348-53185, Iran
Phone: +98-711-2305884
+98-711-2305886
Ext.:3354
Fax: +98-711-2307591
E-mail: mirkhanh@sums.ac.ir

Education

1992-1998 Ph. D. in Pharmacology,
Iran University of Medical Sciences, tehran, Iran
1985-1991 Doctor of Pharmacy, Tehran University of Medical Sciences,
Tehran, Iran

Position

1999-2006: Assistant Professor, Department of Pharmacology, Medical School,
Shiraz University of Medical Sciences, Shiraz, Iran
2006- : Associate Professor, Department of Pharmacology, Medical School,
Shiraz University of Medical Sciences, Shiraz, Iran

Experience

Cardiovascular Pharmacology: The effects of cardiovascular drugs on isolated tissues in normal and pathological states

Publications

1. Noorafshan A, Khazraei H, **Mirkhani H**, Karbalay-Doust S. Stereological study of the diabetic heart of male rats. *Lab Anim Res.* 2013 Mar;29(1):12-8.
2. Talebianpoor MS, **Mirkhani H**. The effect of tempol administration on the aortic contractile responses in rat preeclampsia model. *ISRN Pharmacol.* 2012; 187208. Epub 2012 Sep 3.
3. Aliabadi E., Mehranjani M. S., Borzoei Z., Talaei-Khozani T., **Mirkhani H.**, Tabesh H. Effects of L-carnitine and L-acetyl-carnitine on testicular sperm motility and chromatin quality. *Iran. J. Reprod. Med.* 2012; 10: 77-82

4. Vessal G., Khabiri A., **Mirkhani H.**, Cookson B. D., Askarian M. Study of antibiotic prescribing among dental practitioners in Shiraz, Islamic Republic of Iran. *East Mediterr. Health J.* 2011; 17: 763-769.
5. Bagheri M., Jahromi B. M., **Mirkhani H.**, Solhjoui Z., Noorafshan A., Zamani A., Amirghofran Z. Azelnidipine, a new calcium channel blocker, promotes skin wound healing in diabetic rats. *J. Surg. Res.* 2011; 169: e101-107
6. Mesbah F., Bahri A., Ghasemi E., Khozani T. T., **Mirkhani H.**, Parsanezhad M. E. The effects of metformin on ovum implantation and pregnancy outcome in rats with induced PCOS. *Tehran Univ. Med. J.* 2011; 69: 191-197
7. Noorafshan A, Karbalay-Doust S, Valizadeh A, Aliabadi E, **Mirkhani H.** Ameliorative effects of curcumin on the seminiferous epithelium in metronidazole-treated mice: a stereological study. *Toxicol. Pathol.* 2010; 38: 366-71.
8. Mesbah F., Moslem M., Vojdani Z., Mirkhani H. Estradiol induced polycystic ovary syndrome: an animal study. *Armaghan-e Danesh* 2010; 15: 325-334
9. Davarmanesh M., Mardani M., **Mirkhani H.**, Monabbati A., Tanideh N., Mehrabani D. Effect of dexamethasone premedication on oral mucositis in hamster. *J. Appl. Animal Res.* 2009; 36: 267-270
10. **Mirkhani H.**, Fadakar P. Knowledge, Attitude and practice of physicians in appropriate prescription of organic nitrates in Iran. *Iranian J. Pharmacol. Ther.* 2009; 8: 83-86
11. **Mirkhani H.**, Shafa M., Khazraei H. Comparison of the effects of levosimendan and papaverine on human internal mammary artery and saphenous vein. *Cardiovas. Drugs Ther.* 2009; 23: 355-359
۱۲. محمدشریف طالبیان پور، حسین میرخانی. اثرات فنیل افرین، کلسیم، استیل کولین و دیازوکساید بر آنورت مجزای موش‌های صحرایی پری اکلامپتیک. *ارمغان دانش* (۱۳۸۸) شماره ۵۴، صفحه ۲۹-۱۷.
- (Talebianpoor M.S., **Mirkhani H.** Effects phenylephrine, calcium acetylcholine and diazoxide on isolated aorta of preeclamptic rats)
۱۳. امین کوهپایه، حسین میرخانی، علی اکبر نکوئیان، دیوید سنت. تعیین تأثیر هسپریدین بر اختلال عملکردی قلب ناشی از دیابت نوع ۱ در موش‌های صحرایی. *ارمغان دانش* (۱۳۸۸) شماره ۵۳، صفحه ۳۵-۲۵.
- (Kouhpayeh A. **Mirkhani H.**, Nekooeian A.A., Saint A. The effects of hesperidine, on cardiac dysfunction of experimental type-I diabetic rats)
۱۴. صدیقه شایق، حسین میرخانی، لیلا بذر افکن. دیدگاه دانشجویان دانشگاه علوم پزشکی شیراز در مورد تاثیر برنامه روز معرفی دانشگاه بر انتخاب رشته تحصیلی. *گام های توسعه در آموزش پزشکی* (۱۳۸۸)، مجلد ۶، صفحه ۴۹-۴۰.
15. Samzadeh-Kermani A., Shafaroodi H., Miri R., **Mirkhani H.**, Vosooghi M., Shafiee A. Lipophilic 2-(4-chlorophenyl)-4-thiazolyl-1,4-dihydropyridines: synthesis, calcium channel antagonist activity, and protection against pentylenetetrazole-induced seizure. *Medicinal Chem. Res.* 2009; 18: 112-126
16. Miri R., Javidnia K., **Mirkhani H.**, Kazemi F., Hemmateenejad B., Edraki N., Mehdipour, A.R. Synthesis and in vitro dual calcium channel antagonist-agonist activity of some 1, 4-Dihydro-2,6-dimethyl-3-nitro and cyano-4-(1-methyl-5-nitro-1H-imidazol- 2-yl)-5-pyridinecarboxylates. *Daru* 2008; 16: 263-270
17. Mesbah S. F., Shokri S., Karbalay-Doust S., **Mirkhani H.** Effects of nandrolone decanoate on ultrastructure of testis in male adult rats. *Iran. J. Med. Sci.* 2008; 33: 94-100
18. Kouhpayeh A., **Mirkhani H.**, Nekooeian AA. Improvement of endothelium-dependent relaxation of rat models type 1 and type 2 by hesperidine. *Iran. Cardiovasc. Res. J.* 2008; 1: 200-207
19. Hosseini M., Miri R., Amini M., **Mirkhani H.**, Hemmateenejad B., Ghodsi S., Alipour E., Shafiee A. Synthesis, QSAR and calcium channel antagonist activity of new 1,4-dihydropyridine derivatives containing 1-methy 1-4,5-dichloroimidazolyl substituents. *Archiv. Pharmazie.* 2007; 340: 549-556

20. Mesbah S. F., Shokri S., Karbalay-doust S., **Mirkhani H.** The effect of nandrolone decanoate on the body, testis and epididymis weight and semen parameters in adult male rat. *Iran. J. Med. Sci.* 2007; 32: 93-99
21. Miri R., Javidnia K., **Mirkhani H.**, Hemmateenejad B., Sepeher Z., Zalpour M., Behzad T., Khoshneviszadeh M., Edraki N., Mehdipour A. R. Synthesis, QSAR and calcium channel modulator activity of new hexahydroquinoline derivatives containing nitroimidazole. *Chem. Biol. Drug Des.* 2007; 70:329-36
22. Karbalay-Doust S., Noorafshan A., Ardekani F. M., **Mirkhani H.** The reversibility of sperm quality after discontinuing nandrolone decanoate in adult male rats. *Asian J. Androl.* 2007; 9: 235-239
23. **Daryabari N.**, Akbarzadeh T., Amini M, Miri R., **Mirkhani H.**, **Shafiee A.** Synthesis and calcium channel antagonist activities of new derivatives of dialkyl 1,4-dihydro-2,6-dimethyl-4-(5-phenylisoxazol-3-yl)pyridine-3,5- dicarboxylates. *J. Iranian Chemical Society.* 2007; 4: 30-36
24. Ghodsi S., Alipour E., Amini M., Miri R., Tagi-ganji K. M., Hosseini M., **Mirkhani H.**, Shafiee A. The synthesis and characterization of new asymmetrical dihydropyridine derivatives containing a 2,4-dichloro-5-thiazolyl substituent. *Phosphorus, Sulfur, and Silicon.* 2006; 181: 2435-2444
25. Askarian M., Moravejji A.R., **Mirkhani H.**, Namazi S., Weed H. Adherence to American Society of Health-system Pharmacists (ASHP) surgical antibiotic prophylaxis guidelines in Shiraz, , Iran. *Infect. Control Hosp. Epidemiol.* 2006; 27:876-878
26. **Mirkhani H.**, Golbahar J., Shokri S. Chronic administration of nandrolone decanoate does not increase the plasma homocysteine level of male rats. *Basic Clin. Pharmacol. Toxicol.* 2005; 97: 214-217
27. **Mirkhani H.**, Dirin M., Youssef-Zayeh I. Mechanism of vasoselective action of mebudipine, a new calcium channel blocker. *Vasc. Pharmacol.* 2005; 42: 23-29
28. **Mirkhani H.**, Omrani G. R., Ghiaee S., Mahmoudian M. Effects of mebudipine and dibudipine, two new calcium channel blockers, on rat left atrium, rat blood pressure and human internal mammary artery. *J. Pharm. Pharmacol.* 1999; 51: 617-622
29. Mahmoudian M., Shafiei M., **Mirkhani H.**, Omrani G. R. Effects of different vasodilators on human internal mammary artery in vitro. *Adv. Exp. Med. Biol.* 1999; 471: 419-426
30. Mahmoudian M., **Mirkhani H.** Effect of diazoxide, an ATP-dependent potassium-channel opener, on isolated aortae of normal and diabetic rats. *Gen. Pharmacol.* 1998; 31: 569-571
31. Mahmoudian M., **Mirkhani H.**, Nehardani Z., Ghiaee s. Synthesis and biological activity of two new calcium-channel blockers, mebudipine and dibudipine. *J. Pharm. Pharmacol.* 1997; 49: 1229-1233

Books

Drug dosage forms and proper use of them (Persian)

1st edition, 2009

Limia publications, Tehran, Iran

http://nashr.sums.ac.ir/view_book.php?book=3086

Presentations

Khazraei H., Shafa M., **Mirkhani H.** Effect of ranolazine on cardiac microcirculation of normal and diabetic rats, using laser Doppler flowmetry. *6th Middle East Cardiovascular Congress*, Jan 2012- Dubai, UAE

Khazraei H., **Mirkhani H.**, Shafa, M. Effect of ranolazine on contractility and refractory period of left atrium of normal and diabetic rats. *6th Middle East Cardiovascular Congress*, Jan 2012- Dubai, UAE

Khazraei H., **Mirkhani H.** Comparison of the effects of ranolazine on cardiac functional parameters in normal and diabetic rats. *20th Iranian Congress of Physiology and Pharmacology*, Oct. 2011- Hamedan, Iran

Khazraei H., **Mirkhani H.** Study of the mechanism of vasorelaxant effect of ranolazine on isolated rat aorta. *20th Iranian Congress of Physiology and Pharmacology*, Oct. 2011- Hamedan, Iran

Mirkhani H., Fadakar P, Hojjati H. Effectiveness of common administered doses of glyceryl trinitrate and isosorbide dinitrate in healthy volunteers, using laser Doppler flowmetry. *19th Iranian Congress of Physiology and Pharmacology*, Nov. 2009- Tehran, Iran

Mirkhani H., Fadakar P., Knowledge, attitude and practice of general practitioners and specialist doctors of Fars province in rational prescription of organic nitrates in 2002. *18th Iranian Congress of Physiology and Pharmacology*, Aug. 26-30, 2007- Mashad, Iran

Mirkhani H., Miri R., Bagheri A., Calcium channel antagonist activity evaluation of some new dichlorothiazole 1,4-dihydropyridine derivatives by means of guinea-pig ileal smooth muscle. *18th Iranian Congress of Physiology and Pharmacology*, Aug. 26-30, 2007- Mashad, Iran

Dirin M., **Mirkhani H.**, Study of the mechanism of vasoselective action of mebudipine, using isolated rat aorta. *14th International Congress of Geographical Medicine & 15th Iranian Congress of Physiology and Pharmacology*, Nov. 5-8, 2001- Shiraz, Iran

Youssef-Zayeh I., **Mirkhani H.**, Chronotropic and inotropic action of mebudipine, a new calcium channel blocker in isolated rat atria. *14th International Congress of Geographical Medicine & 15th Iranian Congress of Physiology and Pharmacology*, Nov. 5-8, 2001- Shiraz, Iran

Mahmoudian M., Motevalian M., Radjaee Behbahany N., **Mirkhani H.**, Rahimi Sharbaf F. Application of human umbilical artery in-vitro for evaluation of newly synthesized calcium entry blockers. *12th Iranian Congress of Physiology and Pharmacology*, Nov. 6-9, 1995- Tehran, Iran

Ghaemmaghani M., Tehrani H., Mahmoudian M. **Mirkhani H.**, Zareh A., Akbari A., Daneshmehr M. A. Isolation and purification of toxic peptides from the Iranian scorpion venom, *Odontobuthus doriae*, and their effects on Guinea pig's heart atrium. *12th Iranian Congress of Physiology and Pharmacology*, Nov. 6-9, 1995- Tehran, Iran

Current activities

Effect of antioxidants on vasculopathies in experimental diabetes and preeclampsia
Pharmacological effects of ranolazine