

In the name of GOD
CURRICULUM VITAE (CV)

Dr Rafighe Ghiasi

Assistant professor of physiology, Tabriz University of Medical Sciences, Tabriz, Iran.

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Academic Training:

B.Sc in Nursing, Tabriz University, Tabriz, Iran

M.Sc in human Physiology, Kerman University, Tabriz, Iran

Ph.D in human Physiology, Tabriz University, Tabriz, Iran.

Theses:

M.Sc thesis title: Evaluating the Effect Of Mebudipine On Hemodynamical, Electerical And Histological Changes And Its Possible Mechanisms In Isolated Heart induced by Ischemic-Reperfusion injury in male rats

Ph.D thesis title: Evaluating the effect of swimming exercise on pancreatic inflammatory miRs signaling (miR-34a and miR146a) in type 2 diabetic male rats.

Membership of societies:

Ordinary member of Iranian Physiology and Pharmacology since 2005

Awards

3rd rank for the Best Article in first national congress on Endothelium, Isfahan University of Medical Sciences, Isfahan-Iran, 2009.

Courses taught:

1. Teaching all fields of Medical Physiology (theory and applied courses) in Tabriz University of Medical Sciences to the following students and levels:
 2. Residents: residents of Dentistry
 3. Doctoral level: students of Medicine, Dentistry (applied course) and Pharmacy (theory and applied courses)
 - 4.. MSc level: Master students of, Biophysics, Anatomy, Biomedical Engineering, Medicinal Chemistry,...
 5. Bachelor level: students of faculty of Nursing and Midwifery; students of faculty of Nutrition and Health; students of faculty of Rehabilitation; students of faculty of Paramedicine and Laboratory Sciences..
 6. Teaching all fields of Medical Physiology (theory and applied courses) in Islamic Azad University of Tabriz to students of Medicine, Nursing, Midwifery and Laboratory Sciences:
 7. Teaching all fields of Physiology (theory and applied courses) in Azad University of Ahar.
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Research Experiences and Skills

1. Isolated perfused heart in Langendorff set-up
 2. Organ bath perfusion of isolated tissues
 3. Myocardial infarction induction models in rat
 4. Ischemia-reperfusion injury of the heart
 - 5 . Research methodology and scientific writing
 6. ELISA
 7. Real Time PCR
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Work Experiences

- 1 Academic Member in Department of Physiology, Faculty of Medicine, Tabriz University of Medical Science, Iran, 2016 up now.
3. Executive co-operator in 16th Iranian congress of physiology and pharmacology, Tarbiat-Modarres University, Tehran-Iran, 2003.
4. Executive and co-operator agent in 21th Iranian congress of physiology and pharmacology, Tabriz University of Medical Sciences, Tabriz-Iran, 2013.
5. Coordinator-manager of Journal Clubs meetings in Department of Physiology, Tabriz University of Medical Sciences, from 2017.

Workshops (Participant)

1. Research on Behavioral Sciences; Kerman University of Medical Sciences, Kerman-Iran
 2. Teaching Methods; University of Applied Science , Tabriz- Iran
 3. Article Writing; TabrizUniversity of Medical Sciences, Tabriz-Iran..
 4. Research Methodology and Search Database ; Tabriz University of Medical Sciences, Tabriz-Iran.
 5. Principles and Applications of Real time polymerase chain reaction (RT-PCR); Biotechnology Research Center, Tabriz University of Medical Sciences, Tabriz-Iran.
 6. Electrophysiological Recording techniques (patch clamp); Tarbiat Modarres University of
 7. Article Reviewing ; Tabriz University of Medical Sciences, Tabriz-Iran.
 8. Ethics in Medical Research (Experimental, Clinical and Epidemiological Research)); Tabriz University of Medical Sciences, Tabriz-Iran...
 9. Western Blotting; Tabriz University of Medical Sciences, Tabriz-Iran.
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Publications, Articles in International Journals

1. Aghdam, A.M., Shahabi, P., Karimi-Sales, E., **Ghiasi, R.**, Sadigh-Eteghad, S., Mahmoudi, J. and Alipour, M.R., 2018. Swimming Exercise Induced Reversed Expression of miR-96 and Its Target Gene NaV1. 3 in Diabetic Peripheral Neuropathy in Rats. *The Chinese journal of physiology*, 61.
2. Pezhman, L., Sheikhzadeh Hesari, F., **Ghiasi, R.** and Alipour, M.R., 2018. The impact of forced swimming on expression of RANKL and OPG in a type 2 diabetes mellitus rat model. *Archives of physiology and biochemistry*, pp.1-6.
3. Ghaffari-Nasab, A., Babil, F.M., **Ghiasi, R.**, Sadigh-Eteghad, S. and Alipour, M.R., 2018. Effects of IMOD™ on angiogenesis, miR-503 and CDC25 expression levels in heart tissue of diabetic male rats. *Avicenna journal of phytomedicine*, 8(2), p.152
4. Yousefzadeh, N., Jeddi, S., **Ghiasi, R.** and Alipour, M.R., 2017. Effect of fetal hypothyroidism on MyomiR network and its target gene expression profiles in heart of offspring rats. *Molecular and cellular biochemistry*, 436(1-2), pp.179-187.
5. **Ghiasi, R.**, Mohammadi, M., Majidinia, M., Yousefi, B., Ghiasi, A. and Badalzadeh, R., 2016. The effects of mebupidine on myocardial arrhythmia induced by ischemia-

reperfusion injury in isolated rat heart. *Cellular and molecular biology (Noisy-le-Grand, France)*, 62(13), pp.15-20.

6. Vatandoust, S.M., **Ghiasi, R.**, Nejad, G.G. and Shahabi, P., 2016. Oxidative Stress and Antioxidant Defense Status in CSF and Blood Content of the WAG/Rij Rat Models Suffering from Absence Epilepsy. *Journal of Experimental and Clinical Neurosciences*, 3(1), pp.1-6
7. **Ghiasi, R.**, Ghadiri, F.S., Mohaddes, G., Alihemmati, A., Somi, M.H., Ebrahimi, H., Mirzaie, F.B. and Alipour, M.R., 2016. Influence of regular swimming on serum levels of CRP, IL-6, TNF- α in high-fat diet-induced type 2 diabetic rats. *General physiology and biophysics*, 35(4), pp.469-476.
8. Habibi, F., Soufi, F.G., **Ghiasi, R.**, Khamaneh, A.M. and Alipour, M.R., 2016. Alteration in inflammation-related miR-146a expression in NF-KB signaling pathway in diabetic rat hippocampus. *Advanced pharmaceutical bulletin*, 6(1), p.99.
9. Naderi, R., Mohaddes, G., Mohammadi, M., Alihemmati, A., Badalzadeh, R., Ghaznavi, R., **Ghyasi, R.** and Mohammadi, S., 2015. Preventive effects of garlic (*Allium sativum*) on oxidative stress and histopathology of cardiac tissue in streptozotocin-induced diabetic rats. *Acta Physiologica Hungarica*, 102(4), pp.380-390.
10. **Ghiasi, R.**, Soufi, F.G., hossein Somi, M., Mohaddes, G., Babil, F.M., Naderi, R. and Alipour, M.R., 2015. Swim training improves HOMA-IR in type 2 diabetes induced by high fat diet and low dose of streptozotocin in male rats. *Advanced pharmaceutical bulletin*, 5(3), p.379.
11. Babil, F.M., Alipour, M.R., Keyhanmanesh, R., Alihemmati, A., **Ghiyasi, R.** and Mohaddes, G., 2015. Ghrelin decreases angiogenesis, HIF-1 α and VEGF protein levels in chronic hypoxia in lung tissue of male rats. *Advanced pharmaceutical bulletin*, 5(3), p.315.
12. Naderi, R., Mohaddes, G., Mohammadi, M., Ghaznavi, R., **Ghyasi, R.** and Vatankhah, A.M., 2015. Voluntary exercise protects heart from oxidative stress in diabetic rats. *Advanced pharmaceutical bulletin*, 5(2), p.231.
13. **Ghiasi, R.**, Mohammadi, M., Helan, J.A., Jozani, S.R.J., Mohammadi, S., Ghiasi, A. and Naderi, R., 2015. Influence of Two Various Durations of Resistance Exercise on Oxidative Stress in the Male Rat's Hearts. *Journal of cardiovascular and thoracic research*, 7(4), p.149.
14. Babil, F.M., Mohaddes, G., Ebrahimi, H., Keyhanmanesh, R., **Ghiyasi, R.** and Alipour, M.R., 2014. Ghrelin increases lymphocytes in chronic normobaric hypoxia. *Advanced pharmaceutical bulletin*, 4(4), p.339..

15. Doustar, Y., Soufi, F.G., Saber, M.M., **Ghiassie, R.** and Jafary, A., 2012. Role of four-week resistance exercise in preserving the heart against ischaemia-reperfusion-induced injury: cardiovascular topic. *Cardiovascular journal of Africa*, 23(8), pp.451-455. Yousef Doustar, Farhad
17. **Ghyasi, R.**, Sepehri, G., Mohammadi, M., Badalzadeh, R. and Rashidi, B., 2011. The effect of mebudipine on cardiac function and activity of the myocardial nitric oxide system in ischaemia-reperfusion injury in rats: cardiovascular topics. *Cardiovascular journal of Africa*, 22(6), pp.319-323.
18. Soufi, F.G., Saber, M.M., **Ghiassie, R.** and Alipour, M., 2011. Role of 12-week resistance training in preserving the heart against ischemia-reperfusion-induced injury. *Cardiology journal*, 18(2), pp.140-145.
19. Yousef, D., Farhad, G.S., **Ghiassie, R.** and Saeid, S., 2011. Effect of resistance exercise on cardiac apoptosis following of ischemic/reperfusion. *Journal of Animal and Veterinary Advances*, 10(19), pp.2561-2566.
20. **Ghiasi R.**, Mohammadi M, Badalzadeh R, Sepehri GR, Rashidi B. 2008. Effect of mebudipine on hemodynamical and histological alterations in myocardial ischemiareperfusion injury in rat. *Pharmaceutical Sciences*; 15(3): 247-256.
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Articles Presented in Seminars and Congresses

1. Badalzadeh R, Mohammadi M and **Ghiasi R** (2009). Cardioprotective effect of mebudipine, a new dihydropyridine calcium channel blocker in ischemia-reperfusion injury in rats. 36th Congress of the International Union of Physiological Sciences, KyotoJapan.
2. Badalzadeh R, **Ghiasi R**, Mohammadi M (2009). Effect of mebudipine on myocardial nitric oxide system in ischemia-reperfusion injury. First National Congress of Endothelium, Isfahan-Iran.
3. **Ghiasi R**, Mohammadi M (2009). Evaluating the effect of mebudipine on stress oxidative and antioxidant defense in myocardial ischemic-reperfusion injury in male rat.
4. **Ghiasi R**, Mohammadi M, Badalzadeh R, Sepehri GH, Rashidi B (2009). Influence of mebudipine on histological alterations following ischemia-reperfusion injury in rat. First National Congress of Endothelium, Isfahan-Iran.

5. Badalzadeh R, **Ghiasi R**, Mohammadi M, Sepehri GR (2009). Effect of mebudipine on hemodynamical functions of isolated heart during ischemia-reperfusion insult. 10th International Research Congress of Medical Students, Tehran-Iran.
6. **Ghiasi R**, Mohammadi, Mustafa (2009). Evaluating the effect of mebudipine on stress oxidative and antioxidant defense in myocardial ischemic-reperfusion injury in male rat. 19th Iranian Congress on Physiology and Pharmacology, Tehran-Iran.
7. **Ghiasi R**, Ghadiri Soufi F (2011). Role of four-week resistance exercise in preserving the heart against ischaemia–reperfusion-induced injury. 20th Iranian Congress on Physiology and Pharmacology, Hamedan-Iran.
8. **R. Ghiasi**, H. Babaei, S. Rezaei, G. Gharehbagheri (2012). Short term effects of estrogen therapy on endothelial relaxation in ovariectomized rats. 13th International Congress on Pharmaceutical sciences, Isfahan-Iran.
9. **Ghiasi R**, Alipour MR, Ghiasi A (2013). Influence of two various duration of resistance exercise on oxidative stress in the heart of male rats. 21th International Congress on Physiology and Pharmacology, Tabriz- Iran.
10. **Rafiqeh Ghiasi**, Mohammadreza Alipour, Ali Ghiasi, Navideh Danesgjoo (2015). Ascorbic acid improves HOMA-IR in type 2 diabetes induced by high fat diet and low dose of streptozotocin in male rats. 1nd International 22th and International Congress on Physiology and Pharmacology, Hamedan-Iran.
11. **Ghiasi R**, Alipour MR, Ghiasi A (2018). Swimming exercise improves inflammatory cytokines through miR-146a and NF-κB signaling pathway in pancreas of type-2 diabetic rats. 2nd International 23rd and Iranian Congress on Physiology and Pharmacology, Hamedan-Iran .

Research Interests

1. Study of the molecular mechanisms of diabetes Complications.
2. Study of complications of obesity.
3. Study of the reproduction disorders and theirs mechanisms in diabetes condition and other conditions.
4. Study of the electrophysiological properties of cardiac and neural cells.
5. Study of the ischemic disorders of the heart in the presence of risk factors in patients and in Langendorff model of isolated heart.