

## CURRICULUM VITAE

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Maryam Moghimian  
GONABAD UNIVERSITY OF MEDICAL SCIENCES  
SCHOOL OF MEDICINE  
DEPARTMENT OF PHYSIOLOGY

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➤ **Name:** Maryam Moghimian

➤ **Date of Birth:** Jul 8, 1970

➤ **Sex:** Female

➤ **Nationality:** Iranian

➤ **Educations:**

- **PhD** of Human physiology, Tehran University of Medical Sciences (TUMS).
- **MS.C** of Human Physiology, Tehran University of Medical Sciences (TUMS).
- **BS.C** of Biology, Isfahan University.

➤ **Current Employment:**

Department of Physiology, Faculty of Medicine, Gonabad University of Medical Sciences.Iran

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➤ **Area of interests:**

Heart preconditioning, ischemia/reperfusion injuries in heart.

Reproductive system

➤ **Topics of Dissertations:**

- **PhD thesis:** "The effect of central and peripheral endogenous and exogenous oxytocin in stress on ischemic reperfused isolated male rat heart."
- **MS.C thesis:** Effect of estradiol on Thyroid function in Rat.

- **Interests and activities:**

- Working on isolated heart rat setup and procedures on preconditioning area (ischemia/reperfusion) in the physiology department of TUMS.
- Myocardial Infarction
- Ventricular Arrhythmias
- Cardiac Ischemia / Reperfusion
- Induction of regional ischemia/reperfusion in the rat heart with ligation of LAD.
- Evance Blue and TTC staining the sections of the heart.
- Identification and analyzing the different ventricular arrhythmias.
- Analyzing the stained sections with Photoshop Software
- Analyzing Data of studies with Instat Software
- Rat Stereotaxy surgery
- Real- time rtPCR

- **Software skills:**

- ICDL (Word, PowerPoint, Excel, Internet), Instat and Endnote.

- **Teaching background:**

- scientific membership of Gonabad university of medical sciences 1997-2013

- General physiology for medicine students in GMU.
- Lab exercises in physiology for medicine students.
- Advisor for the MS.c student thesis (Finished)

- **Journal articles:**

- ***Published and Accepted Articles in the journals:***

1. Amir Afshin Khaki, Alireza Ali Hemmati, Maryam **Moghimian**, Majid Shokoohi. The ameliorative effect of carvedilol on oxidative stress and germ cell apoptosis in testicular tissue of adult diabetic rats. *Hamed Shooreia, Arash Khakic, Biomedicine & Pharmacotherapy* 111 (2019) 568–578
2. Mojtaba Ameli1, Mohaddeseh Sadat Hashemi, Maryam **Moghimian**, Majid Shokoohi, Protective effect of tadalafil and verapamil on testicular function and oxidative stress after torsion/detorsion in adult male rat. *Andrologia* DOI: 10.1111/and.13068
3. Seyed Hosein Abtahi-Eivari, Maryam **Moghimian**, Malihe Soltani, Hamed Shoorei, Reza Asghari, Hossein Hajizadeh, Majid Shokoohi, Somayye Alami, Faezeh Khalife Ghaderi. The Effect of Galega officinalis on Hormonal and Metabolic Profile in a Rat Model of Polycystic Ovary Syndrome. *International Journal of Women's Health and Reproduction Sciences*. Vol. 6, No. 3, July 2018, 276–282
4. . Maryam **Moghimian**, Somaye Aalami, Seyed-Hosein Abtahi-Evari, Malihe Soltani .Effect of Syzygium aromaticum (clove) extract on morphine withdrawal side effect in male reproductive system should be addressed. *Physiology and Pharmacology* *Physiol Pharmacol* 22 (2018) 109-117
5. Soltani, M., **Moghimian, M.**, Abtahi, H., Shokoohi, M. The protective effect of Matricaria chamomilla extract on histological damage and oxidative stress induced by torsion/detorsion in adult rat ovary. *International Journal of Women's Health and Reproduction Sciences*, Volume 5, Issue 3, 2017, Pages 187-192
6. Mohsen Poursadeghiyan, Maryam **Moghimian**, Raze Nabi Amjad, Mohammad Mehdi Baneshi, Ahmadreza Yari, Mehdi Noroozi, Mahsa Hami, Alireza Khammar, Mehrdad Farrokhi. Effects on job stress on Iranian clinical nurses. *Annals of Tropical Medicine and Public Health*, Volume 10, Issue 4, July-August 2017, Pages 985-988.
7. Alireza Khammar, Maryam **Moghimian**, Mohammad Hossein Ebrahimi, Milad Abbasi, Mohammad Mehdi Baneshi, Ahmad Reza Yari, Mahsa Hami, Mohsen Poursadeghiyan. Effects of bright light shock on sleepiness and adaptation among night workers of a hospital in Iran, *Annals of Tropical Medicine and Public Health* Volume 10, Issue 4, July-August 2017, Pages 985-988
8. **Moghimian, M.**, Abtahi-Evari, S.-H., Shokoohi, M., Amiri, M., Soltani, M. Effect of Syzygium aromaticum (clove) extract on seminiferous tubules and oxidative stress after testicular torsion in adult rats. *Physiology and Pharmacology (Iran)*, Volume 21, Issue 4, December 2017, Pages 343- 350
9. **Moghimian M**, Soltani M, Abtahi H, Shokoohi M. Effect of vitamin C on tissue damage and oxidative stress following tunica vaginalis flap coverage after testicular torsion. *J Pediatr Surg.* 2017 Oct;52(10):1651-1655. doi: 10.1016/j.jpedsurg.2017.07.001. Epub 2017 Jul 9
10. Shokoohi M, Shoorei H, Soltani M, Abtahi-Eivari SH, Salimnejad R, **Moghimian M**. Protective effects of the hydroalcoholic extract of Fumaria parviflora on testicular injury induced by torsion/detorsion in adult rats. *Andrologia.* 2018 May 16:e13047. doi: 10.1111/and.13047. [Epub ahead of print]
11. Shabnam Mohammadi1, Maryam **Moghimian**, Hanieh Torabzadeh, Mahla Langari, Roghayeh Nazeri, Zahra Karimi, Elham Sangari, Najmeh Jagarmi, Alireza Mohammad Zadeh, Maryam Mohammadi, Mehdi Karimi, Kamyar Tavakkoli, Ali Delshad, Fatemeh Mohammadzadeh, Majid Ghayour-Mobarhan. *Pharmaceutical Sciences* December 2016, 22, 227-233

Effects of Sodium Selenite on Formaldehyde Induced Renal Toxicity in Mice

12. **Maryam Moghimian**, Mahdiah Faghihi, SeyedMorteza Karimian, AliReza Imani and Maryam beygom Mobasheri. Contribution of upregulated Hsps expression to the cardioprotection effect of oxytocin released in acute stress in ischemic reperfused hearts of the rat. *International Journal of Medical Research & Health Sciences*, 2016, 5, 10:174-182.
13. **M. Moghimian** , **M. Soltani** , H. Abtahi , J. Adabi , N. Jajarmy. Protective effect of tunica albuginea incision with tunica vaginalis flap coverage on tissue damage and oxidative stress following testicular torsion: Role of duration of ischemia. *Journal of Pediatric Urology* (2016)
14. Yaser Azizia, Mahdiah Faghihi, Alireza Imania, Mehrdad Roghanib, Ali Zekric, Maryam Beigom Mobasher, Tayebah Rastgard, **Maryam Moghimian** Post-infarct treatment with [Pyr1]apelin-13 improves myocardial function by increasing neovascularization and overexpression of angiogenic growth factors in rats, *European Journal of Pharmacology*
15. **Maryam Moghimian** , Mahdiah Faghihi, Seyed Morteza Karimian , AliReza Imani, and Maryam Beigom Mobasher. Up regulated Hsp27 Expression in the Cardioprotection Induced by Acute Stress and Oxytocin in Ischemic Reperfused Hearts of the Rat. *Chinese Journal of Physiology* 57(6): 329 -334, 2011
16. **Moghimian M**, Faghihi M, Karimian SM, Imani A, Houshmand F , Azizi Y. The role of central oxytocin in stress-induced cardioprotection in ischemic-reperfused heart model. *Journal of Cardiology* . 61 (1), 79-86, 2013
17. **Moghimian M**, Faghihi M, Karimian SM, Imani A. The effect of acute stress exposure on ischemia and reperfusion injury in rat heart: role of oxytocin. *Stress*, July 2012; 15(4): 385–392
18. Anvari MA, Imani A, Faghihi M, Karimian SM, **Moghimian M**, Khansari M. The administration of oxytocin during early reperfusion, dose-dependently protects the isolated male rat heart against ischemia/reperfusion injury. *European Journal of Pharmacology* 682 (2012) 137–141
19. Khansari M, Imani A, Faghihi M, Anvari MA, **Moghimian M**, Sadeghipour Roodsari HR. Reducing creatine kinase-MB levels following oxytocin administration during ischemia-reperfusion periods in isolated rat heart. *Tehran University Medical Journal*; Vol. 69, No. 11, February 2012: 663-670.
20. Nazari A, Sadr SS, Faghihi M, Imani A, **Moghimian M**. The cardioprotective effect of different doses of vasopressin (AVP) against ischemia-reperfusion injuries in the anesthetized rat heart. *Peptides* 32 (2011) 2459–2466.
21. Naderi R, Imani A, Faghihi M, **Moghimian M**. Phenylephrine induces early and late cardioprotection through mitochondrial permeability transition pore in the isolated rat heart. *Journal of Surgical Research* 164, e37–e42 (2010).
22. Sadr SH , **Moghimian M**. The effect of estradiol on thyroid glands in rats. *Journal of gonabad college of medical sciences and health services* 8, 1998, 21-28

23. haghpyma z, moghimi A, **Moghimian M**.The effect of vitamin A deprivation on spatial learning and memory of wistar rats , Journal of science ferdosi university of mashhad , 2003, 1-9
24. Ramezani A , Mahdavi N , Moghimi A, **Moghimian M**. Quantitative and qualitative study of dermatoglyphic patterns of schizophrenia in khorasan province , Iranian jornal of basic medical sciences, 8 ,1, 2005, 25-30
25. Moghimi.A, **Moghimian.M**. The effect of alternative current (ac) on the pentylene tetrazol – induced epileptiform seizures in rat
26. AR. Mohammadzadeh, L. Hosseini Sh, **M. Moghimian**, A. Ebadi, N. Shariatifar. The study of antimicrobial resistance of shigella strains isolated from diarrheal patients in Gonabad's 22-Bahman hospital, 2005-2006. Ofogh-e-Danesh. GMUHS Journal. 2008; Vol. 14, No. 1
27. Tashakori.M, Moghimi M, Pilevarian A, **Moghimian M**. Study of Severity and Prevalence of Stress Incontinent in Menopausal Working Women in Khorasan. - Iranian Journal of Obstetrics, Gynecology and Infertility. 2006, 9, 47-52
28. Bahri Beinabaj N, **Moghimian M**, Attarbashi M, Gharcheh M. The survey of relationship between job burnout and health status of midwives and nurses. Ofogh-e-Danesh. GMUHS Journal 29, 99- 104, 1
29. Tavakkolizadeh.J , Moghimian.M , the survey of stressfull events on smoked and nonsmoked early adults of gonabad city , Ofogh-e-danesh , 2004 , 10, 1 , 52-60
30. Hosseini shahidi.L , Atarodi.A , Moghimian.M ,a survey of using learning strategies as away of education important in medical science student ,Ofogh –e- danesh

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➤ **Workshops:**

➤ **Congresses and Conferences attendance:**

- 2<sup>th</sup> international Iranian Congress in Physiology and Pharmacology, Iran, Zahedan University of medical sciences (2018), Chabahar, Iran, poster presentation
- 1<sup>th</sup> international and 22<sup>th</sup> Iranian Congress in Physiology and Pharmacology, Iran, Kashan University of medical sciences (2015), poster presentation.
  
- 21<sup>th</sup> Iranian Congress in Physiology and Pharmacology, Iran, Tabriz University of medical sciences (2013), Oral presentation.
  
- 20<sup>th</sup> Iranian Congress in Physiology and Pharmacology, Iran, Hamedan University of medical sciences (2011), Oral presentation.
  
- 19<sup>th</sup> Iranian Congress in Physiology and Pharmacology, Iran, Shahid beheshti University of medical sciences (2009), Oral presentation.
  
- 17<sup>th</sup> Iranian Congress in Physiology and Pharmacology, Iran, Kerman University of medical sciences (2005), Oral presentation.
- Iranian endocrinological congress Tehran , 2004
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