

**Personal Information:**

Last Name: **Zeinivand**

First Name: **Motahareh**

Email: m_zeinivad2000@yahoo.com

Education:

1. Ph.D. in Medical Physiology (2014-2016), Department of Physiology, School of Medicine, Iran, University of Medical Sciences, Tehran, Iran.

Thesis title: Effect of hepcidin on cardiomyopathy and encephalopathy in type 1 diabetic

2. M.Sc in Medical Physiology (2010-2013), Department of Physiology, School of Medicine, Rafsanjan, University of Medical Sciences, Kerman, Iran.

Thesis title: effect of morphine and nicotine and withdrawal on baroreflex sensitivity and angiogenesis heart in two kidneys on clip hypertensive (2K1C) rats.

Achievements:

1. 1st rank in MS.c period (average: 18.51) in School of Medicine, Rafsanjan, University of Medical Sciences (2012).

2. 3rd rank in Ph.D period (average: 18.5) in Iran University of Medical Sciences, Tehran, Iran(2016).

3. Ranked 4 in the PhD entrance exam in Medical Physiology.

4. Rank 1 in the PhD student entrance exam in Iran University of Medical Sciences.

Memberships:

Internal and international patent examination and collaboration with Development, Innovation and intellectual property group of Iran University of Medical Sciences.

Research article:

1. Deferoxamine regulates neuroinflammation and oxidative stress in rats with diabetes-induced cognitive dysfunction. M Zeinivand, A Nahavandi, M Zare

2. Effect of co-administration of morphine and nicotine on cardiovascular function in two-kidney one clip hypertensive (2K1C) rats. M Zeinivand, MR Rahmani, M Allatavakoli, A Shamsizadeh, ...

3. Dalteparin as a novel therapeutic agent to prevent diabetic encephalopathy by targeting oxidative stress and inflammation. M Zeinivand, A Nahavandi, T Baluchnejadmojarad, M Roghani, F Golab

4. Coronary angiogenesis during morphine and nicotine withdrawal in two-kidney one clip hypertensive (2K1C) rats. M Zeinivand, AA Pourshanazari, G Hassanshahi

Ibuprofen Protection Against Restrained Chronic Stress-Induced Depression in Male Rats. M Nozari, A Nahavandi, M Zeinivand, M Ahmadi, N Jamali-Raeufy, ...

6. Hepcidin Peptide Inhibitor as Cardioprotection by Targeting Oxidative Stress and Inflammation in Type 1 Diabetic. M Zeinivand, A Nahavandi, T Baluchnejadmojarad, M Roghani, F Golab

7. Morphine and nicotine addiction and withdrawal influence baroreflex sensitivity and blood pressure in two-kidney one clip hypertensive (2K1C) rats. M Zeinivand, A Shamsizadeh, AA Pourshanazari, G Hassanshahi, ...

8. The beneficial role of Hepcidin peptide inhibitor in improved the symptoms of COVID-19 in diabetics: anti-inflammatory and potential therapeutic effects. M Zeinivand, F Zavvari

9. Study on the effect of acetyl L-carnitine on cognitive and cellular disorders resulting from lipopolysaccharide-induced inflammation in male rats: emphasis on AKT/mTOR cell ... N Jamali-Raeufy, M Zeinivand, F Alizadeh, S Mehrabi

10. Hepatocyte growth factor attenuates the severity of status epilepticus in kainic acid-induced model of temporal lobe epilepsy by targeting apoptosis and astrogliosis. S Haghani, N Jamali-Raeufy, M Zeinivand, S Mehrabi, L Aryan, ...

11. The effect of agonist and antagonist of Nociceptin/Orphanin FQ receptor on seizure and cognitive dysfunction in experimental model of temporal lobe epilepsy in male rat. N Jamali-Raeufy, M Zeinivand, M Goudarzi, S Haghani

12. Morphine and nicotine addiction and withdrawal influence baroreflex sensitivity and blood pressure in two-kidney one clip hypertensive (2K1C) rats. M Zeinivand, AA Pourshanazari

Teaching:

1. Physiology laboratory course for nursing students (2010) in Department of Physiology, School of Medicine, Rafsanjan, University of Medical Sciences.
2. Physiology laboratory course for Medical students (2011) in Department of Physiology, School of Medicine, Rafsanjan, University of Medical Sciences.
3. Physiology laboratory course for dentistry students (2011) in Department of Physiology, School of Medicine, Rafsanjan, University of Medical Sciences.
4. General physiology for nursing students (2012) in Department of Physiology, School of Medicine, Rafsanjan, University of Medical Sciences.
5. Physiology course for MSc students (2011) in Education Development Center (EDC), Rafsanjan, University of Medical Sciences.
6. Physiology laboratory course for Medical students (2017) in Department of Physiology, School of Medicine, Iran University of Medical Sciences, Tehran, Iran.
7. Physiology laboratory course for nursing students (2018) in Department of Physiology, School of Medicine, Iran University of Medical Sciences. Tehran, Iran.
8. Physiology laboratory course for MSc medical physics students (2019) in Department of Physiology, School of Medicine, Iran University of Medical Sciences, Tehran, Iran
9. General physiology for nursing students (2014) in Department of Physiology, School of Medicine, Iran University of Medical Sciences, Tehran, Iran.
10. General physiology for midwifery students (2014) in Department of Physiology, School of Medicine, Iran University of Medical Sciences, Tehran, Iran.
11. General physiology for nursing students (2015) in Department of Physiology, School of Medicine, Iran University of Medical Sciences, Tehran, Iran.
12. General physiology for midwifery students (2016) in Department of Physiology, School of Medicine, Iran University of Medical Sciences, Tehran, Iran.
13. Teaching in working with laboratory animals workshop (2018, 2019) in Department of Physiology, School of Medicine, Iran University of Medical Sciences, Tehran, Iran.
14. General physiology (2020-2022) in Department of Physiology, School of Medicine, Kermanshah University of Medical Sciences, Kermanshah, Iran.

Congress Presentations:

1. 21th International Iranian congress of Physiology and Pharmacology, Tabriz University of Medical Sciences, 23-27 August 2013. **Oral presentation.**
2. 21th International Iranian congress of Physiology and Pharmacology, Tabriz University of Medical Sciences, 23-27 August 2013. **Poster presentation.**
3. 1th international and 22th Iranian congress of Physiology and Pharmacology, Kashan University of Medical Sciences, 7-11 September 2015. **Poter presentation.**
4. 3th congress on Novel & Innovative Laboratory Technologies, 4-6 October 2015. Razi Hall.Tehran, Iran, **executive activity**
5. 5th basic and clinical Neuroscience congress, Razi Hall.Tehran, Iran, 7-9 December 2016. **Poster presentation.**
6. 7th basic and clinical Neuroscience congress, Razi Hall.Tehran, Iran, 12-14 December 2018.
7. 8th basic and clinical Neuroscience congress, Razi Hall.Tehran, Iran, 12-14 December 2019
8. 9th basic and clinical Neuroscience congress, Razi Hall.Tehran, Iran, 12-14 December 2020
9. 2. 25th International Iranian congress of Physiology and Pharmacology, 2021. **Poster presentation.**

Books that published and under edition:

1. Translation of the Medical Physiology edited by W.F. Ganong, 24th edition, 2011. Sobhan publisher.
2. Translation of the Medical Physiology edited by W.F. Ganong, 24th edition, 2016. Sobhan publisher.
3. Summary Medical Physiology. Yade aref publisher, Dashti book, 1st edition.
4. Physiology for exam. Yade aref publisher, Dashti book, 1st edition.

Research Experiences and Skills:

1. Rat model of two kidney one clip hypertensive (2K1C)

2. Rat model of hypertension
3. Rat model of type 1 diabetic
4. ELISA
5. Real-Time PCR
6. Immunohistochemistry
7. Rat model of Stereotactic surgery or stereotaxy
8. Behavioral tests (Memory, Depression, Physical & psychological stress, Anxiety, Addiction ...)
9. Biochemical tests
10. Histology staining

Computer Skills:

1. Microsoft Office (MS Word, PowerPoint, Excel), Photoshop, Internet...
2. SPSS, Sigma plot, Prism, Charts for windows, Reference manager, PowerLab systems...