



## Curriculum Vitae

### EDUCATION

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2016-2021

Department of Physiology, Isfahan University of Medical Sciences, Isfahan, Iran.

Major: Medical Physiology

Supervisor: Prof. Mehdi Nematbakhsh

2012-2016

Department of Physiology, Tehran University of Medical Sciences, Tehran, Iran.

Major: Medical Physiology

Supervisor: Prof. Mahdieh Faghihi

### PUBLICATIONS

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**Choopani S**, Nematbakhsh M. Estradiol Supplement or Induced Hypertension May Attenuate the Angiotensin II Type 1 Receptor Antagonist-Promoted Renal Blood Flow Response to Graded Angiotensin II Administration in Ovariectomized Rats. *Journal of the Renin-Angiotensin-Aldosterone System*. 2022;2022.

**Choopani S**, Nematbakhsh M. Sex Difference in MasR Expression and Functions in the Renal System. *Journal of the Renin-Angiotensin-Aldosterone System: JRAAS*. 2022;2022.

**Choopani S**, Nematbakhsh M. Renal Vascular Response to Angiotensin II Administration in Two Kidneys-One Clip Hypertensive Rats Treated with High Dose of Estradiol: The Role of Mas Receptor. *International Journal of Vascular Medicine*. 2021;2021.

Kasaei S, Pezeshki Z, Karimi F, Lak Z, **Choopani S**, Talebi A, et al. Angiotensin 1-7 and losartan worsen the cisplatin induced nephrotoxicity in female rats. *Journal of Nephro pharmacology*. 2021;11(1):e10-e.

Edalatyazadeh Z, Aghajani M, Imani A, Faghihi M, Sadeghniaat-Haghighi K, Askari S, **Choopani S**. Cardioprotective effects of acute sleep deprivation on ischemia/reperfusion injury. *Autonomic Neuroscience*. 2021;230:102761.

Pezeshki Z, Karimi F, Kassaei S, **Choopani S**, Talebi A, Nematbakhsh M. The reno-protective role of Angiotensin 1-7 in Cisplatin induced nephrotoxicity. *KUWAIT MEDICAL JOURNAL*. 2020;52(4):390-4.

**Choopani S**, Kasaei S, Talebi A, Mortazavi M, Gheisari Y, Matinfar M, et al. Cyclosporine-A induced nephrotoxicity in male and female rats: Is zinc a suitable protective supplement? *Biomedical Research and Therapy*. 2018;5(12):2888-97.

**Choopani S**, Faghihi M, Imani A, Edalatyazadeh Z, Askari S, Paras H, Sadeghniaat-Haghighi K. Chronic sleep deprivation effects on ischemia-reperfusion injury: role of the sympathetic nervous system. *Lebanese Medical Journal* 2018; 66 (3): 139-143.

Askari S, Imani A, Sadeghipour H, Faghihi M, Edalatyazadeh Z, **Choopani S**, et al. Effect of Lactation on myocardial vulnerability to ischemic insult in rats. *Arquivos Brasileiros de Cardiologia*. 2017;108:443-51

Edalatyazadeh Z, Imani A, Faghihi M, **Choopani S**, Askari S, Aghajani M, et al. Effect of acute sleep deprivation on ischemia-induced ventricular arrhythmia in the isolated rat heart. *Journal of Sleep Sciences*. 2016;1(2):38-43.

**Choopani S**, Imani A, Faghihi M, Askari S, Edalatyazadeh Z. chronic sleep deprivation and ventricular arrhythmias: effect of sympathetic nervous system. *Journal of Cellular & Molecular Anesthesia*. 2016;1(2):56-61

## **PRESENTATIONS**

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**Choopani S**, Hasanpour Z, Ashrafi F, Talebi A, Nematbakhsh M. The Effect of Dextrose Hypotonic vs Saline Hydration on Methotrexate Induced Nephrotoxicity in Male and Female Rats. 5<sup>th</sup> international & 26<sup>th</sup> Iranian congress of Physiology & Pharmacology. 2023- Semnan /Iran.

**Choopani S**, Nematbakhsh M. Estradiol supplement or induced hypertension may attenuate the losartan-promoted renal hemodynamics responses to graded angiotensin II administration in ovariectomized rats. 39<sup>th</sup> congress of the international union of physiological sciences (IUPS 2022)- Beijing, china.

**Choopani S**, Nematbakhsh M. Renal clearance and urine output reduced by angiotensin 1-7 receptor antagonist in hypertensive estradiol treated rats. 13<sup>th</sup> international congress of medical laboratory and clinic. 2022- Tehran /Iran.

**Choopani S**, Nematbakhsh M. Renal Vascular Response to Angiotensin II Administration in Two Kidneys-One Clip Hypertensive Rats Treated with High Dose of Estradiol: The Role of Mas Receptor. 4<sup>th</sup> international & 25<sup>th</sup> Iranian congress of Physiology & Pharmacology. 2021- Tehran /Iran.

**Choopani S**, Kasaei S, Talebi A, Mortazavi M, Gheisari Y, Matinfar M, et al. Cyclosporine-A induced nephrotoxicity in male and female rats: Is zinc a suitable protective supplement? 24<sup>th</sup> Iranian & 3<sup>th</sup> international congress of Physiology & Pharmacology. 2019- Tehran /Iran.

**Choopani S**, Faghihi M, Imani A, Askari S, Edalatyzadeh Z. Effect of chronic sleep deprivation on ischemia-reperfusion injury in isolated male rat heart. 1<sup>th</sup> international 22<sup>th</sup> Iranian congress of Physiology and Pharmacology. 2015- Kashan/Iran.

**Choopani S**, Imani A, Faghihi M, Askari S, Edalatyzadeh Z. chronic sleep deprivation and ventricular arrhythmias: effect of sympathetic nervous system. Journal of Cellular & Molecular Anesthesia. 2016;1(2):56-61

## **EXPERIENCE AND SKILLS**

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Animal handling

Take blood sample from rat

Inducing hypertension with model of 2 kidney 1 clip (2K-1C) in rat

Ovariectomy in rat

Catheterization of various arteries in rats

Work with Set up Langdorf and isolated heart in rats

Renal artery isolation and RBF measurement

Work with Powerlab device

Modeling of Ischemic Heart Disease workshop, 2021

Myocardial Injury Induction workshop, 2021

Pulmonary Hypertension Induction workshop, 2021

Principles of working with laboratory animals workshop, 2018

Types of the method of sampling from rat workshop, 2021

Monitoring cell viability, growth, and proliferation workshop, 2021

Teaching Skill workshop, 2016 & 2022

How to review a paper workshop, 2022

SPSS

Power point

End Note

Graphical Abstract Design and Illustration Using Adobe Illustrator workshop, 2021