



**Nepton Soltani**  
**Professor**

Department of Physiology Faculty of Medicine  
Isfahan Medical Sciences University  
Email: solnep2002@yahoo.com

**Sex:**

Female

**Nationality:**

Iranian

**Education:**

PDF	Endocrine (diabetes)	Toronto University, Canada 2005-2007
PhD	Medical physiology	Tehran Medical Sciences University 2001-2005
MSc	Medical physiology	Isfahan Medical Sciences University 1990-1993
BSc	Biology	Isfahan University 1985-1989

**Area of interests:**

Diabetes, Molecular mechanism involved in insulin and glucagon secretion, Insulin resistance, Diabetes vessel complication, Beta cell regeneration

**Teaching background:**

- Respiratory physiology for Medical and PhD students, Isfahan University of Medical Science. 2018 to now
- Endocrine physiology for Medical, physiology MSc and PhD students, Isfahan University of Medical Science. 2013 and 2018 to now
- Endocrine, Gastrointestinal and Respiratory physiology for master science students, Hormozgan Medical Sciences .University 2011-2017
- Endocrine, Gastrointestinal, Respiratory and Renal physiology for Medical and dentist students, Hormozgan Medical Sciences .University2005-now

- Endocrine and Respiratory physiology for pharmacy students, Tehran Medical Sciences University 2001-2004
- Respiratory and Endocrine physiology for dentist students, Tehran Medical Sciences University 2001-2003
- Cardiovascular physiology for PhD students of nutrition, Tehran Medical Sciences University. 2002
- Endocrine physiology for medical students, Shahrood Medical Sciences University 2002-Now
- Lab procedures in physiology for medical students, Tehran Medical Sciences University 2001-2002
- Lab procedures in physiology for medical students, Hormozgan Medical Sciences University 1999-2000
- Respiratory, endocrine and renal physiology for medical students, Hormozgan Medical Sciences University 1998-2000
- Lab procedures in physiology for medical and pharmacy students, Isfahan Medical Sciences University 1994-1998

**Journal articles in English:**

- Sohrabipour S, Mohammad Reza Sharifi MR, Talebi A, Sharifi M, Soltani N. Combination therapy with GABA and MgSO<sub>4</sub> improves insulin sensitivity in type 2 diabetic rat (Accepted in international journal of endocrinology)
- Hosseini Dastgerdi A, Sharifi M, **Soltani N**. GABA administration improves liver function and insulin resistance in offspring of type 2 diabetic rats. (Accepted in Scientific report journal)
- Kharazmi F, Hosseini Dastgerdi H, Saberi Sh, Maleki M, **Soltani N**, Nematbakhsh M. Glucose transporters in kidney; the role of gender and diabetes mellitus. Journal of Nephropharmacology. 2022; 11(1)
- Rezazadeh H, Sharifi MR, Sharifi M, **Soltani N**. Magnesium sulfate improves insulin resistance in high fat diet induced diabetic parents and their offspring. European Journal of Pharmacology. 2021; 909 (174418)

- Rezazadeh H, Sharifi MR, Sharifi M, **Soltani N**. Mechanism involved in insulin resistance and the role of gamma-aminobutyric acid to improve beta cell function and insulin resistance in insulin target cells. *Journal of Research in Medical Sciences*. 2021; 26 (1), 39
- Rezazadeh H, Sharifi MR, Sharifi M, **Soltani N**. Gamma-aminobutyric acid attenuates insulin resistance in type 2 diabetic patients and reduces the risk of insulin resistance in their offspring. *Biomedicine & Pharmacotherapy*. 2021; 138:111440
- Sobhani AR, Farshidi H, Azarkish F, Eslami M, Eftekhari E, Keshavarz M, **Soltani N**. Magnesium Sulfate Improves Some Risk Factors for Atherosclerosis in Patients Suffering From One or Two Coronary Artery Diseases: A Double Blind Clinical Trial Study. Accepted in *Clinical Pharmacology: Advances and Applications*. 2020; 12: 159-169
- Farshidi H, Sobhani AR, Eslami M, Azarkish F, Eftekhari E, Keshavarz M, **Soltani N**. Magnesium Sulfate Administration in Moderate Coronary Artery Disease Patients Improves Atherosclerotic Risk Factors: A Double-Blind Clinical Trial Study. *J of cardiovascular Pharmacology*. 2020; 76(3):321-328
- Solati M, Kazemi L, Soltani N, Keshavarz M, Shahabi Majd N, Jahanshahie K. Oral herbal supplement containing magnesium sulfate improve metabolic control and insulin resistance in non-diabetic overweight patients. 2019; *MJIRI* 33 (1), 6-10
- Barooti A, Kamran M, Kharazmi F, Eftekhari E, Malekzadeh K, Talebi A, **Soltani N**. Effect of oral magnesium sulfate administration on blood glucose hemostasis via inhibition of gluconeogenesis and FOXO1 gene expression in liver and muscle in diabetic rat. *Biomedicine & Pharmacotherapy*. 2019; 109, 1819-1825
- Kamran M, Kharazmi F, Malekzadeh K, Talebi A, Khosravi F, **Soltani N**. Effect of long term administration of oral magnesium sulfate and insulin to improve STZ-induced hyperglycemia. The role of AKT2 and IRS1 genes expression. *Biological Trace Element Research*. 2019; 90(2):396-404
- Fazlali M, Kharazmi F, Kamran M, Malekzadeh K, Talebi A, Khosravi F, **Soltani N**. Effect of oral magnesium sulfate administration on LOX-1 gene expression to prevent of atherosclerosis in diabetic rat vessels. *Diabetes investigation journal*. 2019; 10(3):650-658

- Mahdizadeh R, Moein S, **Soltani N**, Malekzadeh K, Moein M. Study the molecular mechanism of saliva species in prevention of diabetes. JPSR, 2018; 9(11): 4512-4521
- Sohrabipour S, Mohammad Reza Sharifi MR, Talebi A, Sharifi M, **Soltani N**. Effect of magnesium sulfate administration to improve insulin resistance in type 2 diabetes animal model: Using the hyperinsulinemic-euglycemic clamp technique. Fundamental Clinical Pharmacology Journal. 2018; 32(6):603-616.
- Khosravi F, Kharazmi F, Kamran M, Malekzadeh K, Talebi A, **Soltani N**. The role of PPAR- $\gamma$  and NF $\kappa$ B genes expression in skeletal muscle to improve hyperglycemia in STZ-induced diabetic male rats following administration of oral magnesium sulfate. Int J Physiol Pathophysiol Pharmacol. 2018;10 (3):124-131
- Sohrabipour S, Mohammad Reza Sharifi MR, Talebi A, Sharifi M, **Soltani N**. GABA dramatically improves glucose tolerance in streptozotocin-induced diabetic rats fed with high-fat diet. EJP, 2018; 5(826):75-84
- Azarkish F, Hashemi k, Talebi A, Kammalinejad M, **Soltani N**. Effect of the administration of Solanum nigrum fruit on prevention of diabetic nephropathy in streptozotocin-induced diabetic rats. Pharmacognosy Journal; 2017; 9 ( 4 ): 325-332
- Nasiri M, **Soltani N**, Mazaherii S, Maleki M, Talebi A, Gharibi F, Nematbakhsh M. The role of gamma amino butyric acid in cisplatin-induced nephrotoxicity in streptozotocin-induced diabetic rats. Adv Biomed Res. 2017; Jul 31;6:96.
- Gharibi F, **Soltani N**, Mazaherii S, Maleki M, Talebi A, Nasiri M, Nematbakhsh M. The protective effect of L-arginine in Cisplatin induced nephrotoxicity in STZ induced diabetic rats. Adv Biomed Res. 2017; Aug 14;6:100
- **Soltani N**, f Tighsaz Y, Nematbakhsh M. Renoprotective effects of GABA on ischemia/reperfusion-induced renal injury in hyperglycemic male and female rats. Hormozgan Medical Journal. 2017; 21(1):1:9
- Ghasemi M, Nematbakhsh M, Pezeshki Z, **Soltani N**, Moeini1 M, Talebi A. Nephroprotective effect of estrogen and progesterone combination on cisplatin-induced nephrotoxicity in ovariectomized female rats. Indian J Nephrol. 2015; 18
- Ghayyomi M, **Soltani N**, Nematbakhsh M, Talebi A, , Eshraghi-Jazi F, Razmjoo F. The role of specific iNOS inhibitor administration against cisplatin-induced nephrotoxicity; Gender related differences. Advanced biomedical research.2015;4

- Kharazmi F, **Soltani N**, Rezaei S, Keshavarz M, Farsi F. The role of GABA B receptor and L-Arg in GABA-induced vasorelaxation in non-diabetic and streptozotocin-induced diabetic rat vessel. Iranian biomedical journal.2015; 19 (2); 91
- Parvizi MR, Parviz M Tavangar SM, **Soltani N**, Kadkhodae M, Seifi B, Azizi Y, Keshavarz M. Protective effect of magnesium on renal function in STZ-induced diabetic rats. J Diabetes Metab Disord. 2014; 16;13(1):84
- Razmjoo F, **Soltani N**, Nematbakhsh M, Talebi A, , Eshraghi-Jazi F, Ghayyomi M. The Role of Losartan and Oral Magnesium Sulfate in Cisplatin Induced Nephrotoxicity in Female Rats. British Journal of Pharmaceutical Research. 2014; 4(15): 1886-1899
- Solymani H, **Soltani N**, Malkzadeh K, Sohrabipour Sh, Nasri S. Modulation of GLUT-4 expression by oral administration of Mg<sup>2+</sup> to control sugar level in STZ-induced diabetic rat. Canadian Physio and Pharmacology J. 2014; 92: 438–444
- Zaheri H, **Soltani N**, Kharazmi F, Kamalinajad M. Vasodilator response to Psidium guava leaves of mesenteric bed vessels from diabetic and non diabetic rats. DMJ. 2014; 4(1): 6-11
- Solati M, Ouspid E, , No. Hosseini,S, **Soltani N**, Keshavarz M, Dehghani M. Oral magnesium supplementation improves glycemic control, lipid profile and blood pressure in type II diabetic patients. Islamic republic medical Journal. 2014; 28:1-8
- Sohrabipour S, Kharazmi F, **Soltani N**, Kamalinejad M. Biphasic effect of Solanum nigrum fruit aqueous extract on vascular mesenteric beds in non-diabetic and streptozotocin-induced diabetic rats. Pharmacognosy Research. 6 (2): 148-152; 2014
- Awooda H, sharara G, **Soltani N**, Saeed AM. Tumor necrosis factor-  $\alpha$  and nuclear factor kappa- $\beta$  expression in rats following transient focal cerebral ischemia reperfusion. Internal journal of clinical and experimental neurology 2(2): 40-46; 2014

- **Soltani N**, Nematbakhsh M, Eshraghi-Jazi F, Talebi A, Ashrafi F. Effect of Oral Administration of Magnesium on Cisplatin-Induced Nephrotoxicity in Normal and Streptozocin-Induced Diabetic Rats. *Nephro-Urology Monthly*. 5(4):884-91; 2013
- Sohrabipour S, Kharazmi F, **Soltani N**, Kamalinejad M. Effect of the administration of Solanum nigrum fruit on blood glucose, lipid profiles and sensitivity of the vascular mesenteric bed to Phenylephrine in streptozotocin-induced diabetic rats. *Med Sci Monit Basic Res*. 19:133-40; 2013
- Kamran M, Bahrami A, **Soltani N**, Keshavarz M, Farsi L. Gamma amino butyric acid (GABA)-induced vasorelaxation mediated by nitric oxide and GABAA receptor in non diabetic and streptozotocin induced diabetic rat vessels. *Gen Physiol Biophys*. (1):101-6; 2013
- Amiri Tavasoli R, **Soltani N**, Keshavarz M, Sohrabipour SH.  $Mg^{2+}$ - induced adenosine-mediated receptor mediated relaxations in mesenteric vascular beds of diabetic rat. *Gen Physiol Biophys*. 31(4):409-13; 2012
- Mansoori A, Zaheri H, **Soltani N**, Kharazmi F, Keshavarz M, Kamalinajad M. Effect of the administration of Psidium guava leaves on lipid profiles and sensitivity of the vascular mesenteric bed to phenylephrine in STZ-induced diabetic rats. *JMD*, 2(1): 138-145, 2012
- **Soltani N**, Qiu H, Aleksic M, Glinka Y, Zhao F, Liu R, Li Y, Zhang N, Chakrabarti R, Ng T, Jin T, Zhang H, Lu WY, Feng ZP, Prud'homme GJ, Wang Q. GABA exerts protective and regenerative effects on islet beta cells and reverses diabetes. *Proc Natl Acad Sci U S A*. Jun 27, 2011
- Farsi L, Keshavarz M, **Soltani N**. Relaxatory effect of GABA mediated by same pathway in diabetic and normal rat vessel. *Iranian J. of basic medical sciences*. 14(1): 94-98; 2010
- Mirghazanfari M, Keshavarz M, Nabavizadeh f, **Soltani N**, Kamalinejad M. *Teucrium polium L.*” (Calpoureh) aerial part methanolic extract enhances insulin release from insitu isolated perfused rat pancreas via physiologic pathways. *Iranian Biochemical J*. 14(4): 178-185; 2010
- Hasanein P, **Soltani N**. Effects of endocannabinoid transport inhibitors AM404 and UCM707, on an experimental model of diabetic neuropathy.CEPP. 36(11): 1127-31; 2009
- Nematbakhsh M, Attari M, Hajiheydari M, Abdeyazdan Z, Gholchin M, **Soltani N**, Samarian S.H, Yadegharfar G, Soltani H, TooToonchi M. Measured vs calculated plasma osmolality in infants and head injured patients in critical care units. *Clin Exp Med Lett*. 49(4):211-214; 2008

- **Soltani N**, Kumar M, Glinka Y, Prud'homme GJ, Wang Q. In vivo expression of GLP-1/IgG-Fc fusion protein enhances beta-cell mass and protects against streptozotocin-induced diabetes. *Gene Ther.* 14(12):981-8; 2007
- **Soltani N**, Keshavarz M, Dehpour AR. Effect of oral magnesium sulfate administration on blood pressure and lipid profile in streptozocin diabetic rat. *Eur J Pharmacol.* 10;560(2-3):201-5; 2007
- Hasanein P, Parviz M, Keshavarz M, Javanmardi K, Mansoori M, **Soltani N**. Oral magnesium administration prevents thermal hyperalgesia induced by diabetes in rats. *Diabetes Res Clin Pract.* 73(1):17-22; 2006
- **Soltani; N**, Keshavarz; M, Minaii; B, Zahdi Asl; S, Dehpour; A.R: Effect of magnesium on plasma glucose and pancreas histology in streptozotocin-diabetic rats. *CEPP.* 32:604-610; 2005
- **Soltani; N**, Keshavarz; M, Sohanaki; H, Zahdi Asl; S, Dehpour; A.R: Relaxatory effect of magnesium on mesenteric vascular beds differs from normal and streptozotocin-diabetic rats. *European Journal of pharmacology. European Journal of pharmacology.* 508: 177-131; 2005
- **Soltani; N**, Keshavarz; M, Sohanaki; H, Zahdi Asl; S, Dehpour; A.R: Oral magnesium sulfate prevent vascular complication STZ-diabetic rats. *Life sciences.* 76:1455-1464; 2005
- Nematbakhsh M, Habibi H.R, **Soltani N**, Hayatdavoodi P, Naji H, Borjian L Gender difference in endothelial permeability of aorta in rabbits consuming normal or high-cholesterol diets. *Iran Journal of Medical Sciences IJMS).* 28(4):1-3;2003
- Nematbakhsh M, Moghaddassi M, **Soltani N**, Samarian S.H, Rajabi P Administration of large volume hypertonic solutions for resuscitation of hemorrhagic shock in rabbit. *Iranian Biomedical Journal.* 1998
- Nematbakhsh M, Rajabi P, **Soltani N**, Samarian S.H, Sarrafzadeghan N, Mohammadifar N, Alikhassi H, Estrogen attenuates endothelial permeability and fatty streaks in cholesterol-fed male rabbit aorta. *Ateroskleroza.* 1998
- Nematbakhsh M, **Soltani N**, Samarian S.H, Bordbar A, Attari M.A, Hypertonic lactated ringer's solution in experimental vasogenic brain edema in rabbit: effect on blood pressure, electrolytes, blood urea nitrogen, total protein concentration, plasma osmolality, and cerebral water content. *Islamic Republic of Iran Medical Journal.* 1995

**Journal articles in Farsi:**

- Kharazmi F, **Soltani N**, Keshavarz M. Effect of calcium channel and adenosine receptors on Mg-induced relaxation in diabetic rat vessels. *Diabetes and Lipid*. 2015; 14(5):297-304
- Farshidfar GR, **Soltani N**, Kamran M, Keshavarz M. Effect of magnesium on prevention of vessel diabetes complication. *HMJ* 2013; 17(1):83-93
- Solati M, Farshidfar GR, Vakil MK, Saberi P, Kamalinejad M, **Soltani N**. Effect of the administration of Teucrium polium on blood glucose, and lipid profiles in streptozotocin-induced diabetic rats. *Iranian Journal of Physiology and Pharmacology* 2012; 16(4):423-434
- **Soltani N**, Naderi N, Zare SH. Comparison between traditional teaching method and small teaching group in teaching physiology respiratory system in medical students in Hormozgan University of Medical Science. *Hormozgan Medical Journal* 16(4):317-324; 2012
- Zaheri H, **Soltani N**, Kharazmi F, Keshavarz M. Relaxatory effect of PGE in mesenteric bed in diabetic rat. *Iranian lipid and diabetes Journal* 10(3):347-354; 2011
- **Soltani N**, Keshavarz M, Wang Q. Treatment effect of GABA on type one diabetic complication in NOD mice. *Physiology and pharmacology Journal* 13(3):288-296;2009
- Mansoori M, Parviz M, Keshavarz M, **Soltani N**, Garibzadeh Sh. Prevention effect of oral magnesium sulfate administration on memory in streptozocin diabetic rat. *Tehran Medical School Journal*. 65(1):1-5; 2008
- Nematbakhsh M, Hajiheydari M, Abdeyazdan Z, Gholchin M, **Soltani N**, Samarian S.H, Yadegharfar G, Soltani H, TooToonchi M, Calculated and measured osmolality in new born. *Feyz*. 2002
- Nematbakhsh M, Hasanvand F, Verdi J, **Soltani N**, Use of specific gravity for determining brain tissue water content in rat. *Feyz*. 1998
- Nematbakhsh M, Javdan L, **Soltani N**, Simulation of oxygen disappearance rate in cerebral embolism: the effect of pH, temperature, hematocrit, and kinetics of Oxygen metabolism. *Research in Medical Sciences Journal*. 1997
- Nematbakhsh M, **Soltani N**, Moghaddassi M, Samarian S.H, Attari M.A, Comparison effect of hypertonic sodium chloride (1.8%) with isotonic solution in hypovolemic shock. *Research in Medical Sciences Journal*. 1997

- **Soltani N**, Nematbakhsh M, Rostami A, Fluorocarbons liquids:artificial blood. The Iranian Journal of Blood Transfusion. 1995
- Nematbakhsh M, **Soltani N**, Biochemical changes of blood in vasogenic brain edema. Iranian Journal of Anesthesiology. 1994

### **Books:**

- Respiratory physiology for medical and pharmacy student 2020
- Endocrine physiology for medical and pharmacy student 2020
- Laboratory Physiology logbook 2018
- Type one diabetes (Beta cell function) in English 2013
- Diabetes complications ( Prevention of diabetic vessel complication) in English 2012
- Translation of Gannog Physiology to Farsi 2011
- Rostami; A et al (**Soltani N**) (2007).Essential Physiology for Graduate Students. third edition, Isfahan
- Fesharaki; M, **Soltani N**. (2001) Physiology Laboratory Methods.

### **Research projects:**

- Effect of magnesium sulfate, GABA and insulin administration to improve insulin resistance in offspring of type 2 diabetes parents: Using the hyperinsulinemic-euglycemic clamp technique in conscious rats. **Soltani N** 2020
- Effect of MgSO<sub>4</sub> administration to improve atherosclerosis plaque in patients admitted in angiography department in Bandar Abbas. **Soltani N** 2018
- Effect of magnesium sulfate, GABA and combination of GABA and MgSO<sub>4</sub> administration to improve insulin resistance in type 2 diabetes animal model: Using the hyperinsulinemic-euglycemic clamp technique. **Soltani N** 2017
- Effect of oral MgSO<sub>4</sub> administration to improve diabetic hyperglycemia through of PPAR $\gamma$ , FOXO1, Akt2 and IRS1 genes expression in muscle and liver. **Soltani N** 2016

- Effect of oral MgSO<sub>4</sub> administration on decreasing of atherosclerosis in diabetic vessel rats via decrease in LOX1 receptor gene expression. **Soltani N** 2015
- Effect of GABA administration on renal ischemia reperfusion in STZ-diabetic female and male rat, **Soltani N** 2015
- Effect of L-Arg administration on decreasing of Cisplatin induced nephrotoxicity in STZ-diabetic female and male rats, **Soltani N** 2015
- Effect of GABA administration on decreasing of Cisplatin induced nephrotoxicity in female and male rat, **Soltani N**, Nematbakhsh M, 2014
- Effect of AT1 receptor blocker and oral magnesium sulfate administration on decreasing of Cisplatin induced nephrotoxicity in female rat, **Soltani N**, Nematbakhsh M, 2013
- Effect of iNOS inhibitor on Cisplatin induced nephrotoxicity in male and female rats, **Soltani N**, Nematbakhsh M, 2013
- The preventive effect of magnesium supplementation in of Cisplatin induced Nephrotoxicity in diabetic rat, **Soltani N**, Nematbakhsh M, 2012
- Investigation of GABA-B receptor and nitric oxide system on mesenteric bed perfusion pressure in diabetic non diabetic rats, **Soltani N**, 2012
- Molecular mechanism of magnesium on blood glucose reduction, **Soltani N**, Malakzadeh K, 2011
- Effect of oral Kalpora administration on lipid profile and metabolic changes in diabetic rats, Solati M, **Soltani N**, 2010
- Investigation of GABA-A receptor and nitric oxide system on mesenteric bed perfusion pressure in diabetic non diabetic rats, **Soltani N**, 2009
- Investigation of adenosine A2a receptor and nitric oxide system on mesenteric bed perfusion pressure in diabetic rat, **Soltani N**, 2009
- Mechanism of magnesium relaxatory effect on diabetic rat vessel. **Soltani N**, Keshavarz M. 2008
- Relationship between serum Mg level and blood glucose, HbA1C and other cardiovascular risk factors in type one and two diabetes. **Soltani N**, Solati M. 2008

- The effect of aerial part extracts *Cuminum cyminum L.* on insulin and glucagon secretion from rat pancreas. **Soltani N, Keshavarz M. 2007**
- Effect of GABA on mesenteric bed perfusion pressure in diabetic rat. **Soltani N, Keshavarz M. 2007**

**Student supervised:**

- Vitamin B<sub>1</sub> mechanism on improve hyperglycemia in STZ-induced diabetic rats, **by Ghanbari PhD student 2020**
- The role of magnesium sulfate in liver insulin resistance in type 2 diabetic parents under high-fat diet and their offspring by hyperinsulinemic-euglycemic clamp method: Evaluation of Foxo1, Akt2 IRS2, and phosphoenol pyruvate carboxy kinase gene expression in the liver, **by Hosseini PhD student 2019**
- The role of magnesium sulfate in muscle insulin resistance in type 2 diabetic parents under high-fat diet and their offspring by hyperinsulinemic-euglycemic clamp method: Evaluation of GLUT4, Akt2 and IRS2 gene expression, **by Rezazadeh PhD student 2019**
- Combined therapy with GABA and MgSO<sub>4</sub> improves insulin sensitivity in high fat diet STZ-induced diabetic rat, **by Sohrabipour PhD student 2018**
- Effect of the administration of Solanum nigrum fruit on prevention of diabetic nephropathy in streptozotocin-induced diabetic rats, **by Hashemi MSc student 2018**
- The role of PPAR- $\gamma$  and NF $\kappa$ B genes expression in skeletal muscle to improve hyperglycemia in STZ-induced diabetic male rats following administration of oral magnesium sulfate, **by Khosravi MSc student 2017**
- Effect of oral magnesium sulfate administration on blood glucose hemostasis via inhibition of gluconeogenesis and FOXO1 gene expression in liver and muscle in diabetic rat, **by Barooti MSc student 2017**
- Effect of oral MgSO<sub>4</sub> administration on decreasing of atherosclerosis in diabetic vessel rats via decrease in LOX1 receptor gene expression, **by Fazeali MSc student 2017**
- Renoprotective effects of GABA on ischemia/reperfusion- induced renal injury in STZ induced diabetic male and female rats, **by Tigsaz Msc student 2016**

- The role of gamma amino butyric acid in cisplatin-induced nephrotoxicity in streptozotocin-induced diabetic rats, **by Nasiri MSc student 2016**
- The protective effect of L-arginine in Cisplatin induced nephrotoxicity in STZ induced diabetic rats. Adv Biomed Res, **by Gharibi MSc student 2016**
- Nephroprotective effect of estrogen and progesterone combination on cisplatin-induced nephrotoxicity in ovariectomized female rats, **by Ghasemi MSc student 2016**
- Effect of GABA administration on decreasing of Cisplatin induced nephrotoxicity in female and male rat, **by Paysepar MSc student 2014**
- Effect of AT1 receptor blocker and oral magnesium sulfate administration on decreasing of Cisplatin induced nephrotoxicity in female rat, **by Razmjo MSc student 2013**
- Effect of iNOS inhibitor on Cisplatin induced nephrotoxicity in male and female rats, **by Ghayyomi MSc student 2013**
- Effect of magnesium supplement on insulin resistance in type 2 diabetic patient, **by Dr Kazemi Internal Medicine student 2012**
- The influence of magnesium sulphate on pancreatic islet  $\beta$  cells in STZ- diabetic male rats, **by Parvizi PhD student 2012**
- Molecular mechanism of magnesium on blood glucose reduction, **by Solymanei MSc student 2011**
- Investigation of GABA-B receptor and nitric oxide system on mesenteric bed perfusion pressure in diabetic rat following of GABA administration, **by Rezaei MSc student 2009**
- Effect of oral Kalpora administration on lipid profile and metabolic changes in diabetic rats, **by Dr Vakili Internal Medicine student 2010**
- Effect of olive leaves and role of endothelium and nitric oxide system on normal rat vessel, **by Aftakhari Medical student 2010**
- Role of adenosine receptors and nitric oxide system on vascular response of diabetic rats to acute magnesium sulfate, **by Ahmadi Medical student 2009**
- Role of calcium channel opener and nitric oxide system on vascular response of diabetic rats to acute magnesium sulfate, **by Nikkhoo Medical student 2009**

- Treatment effect of oral magnesium sulfate administration on vascular complication in diabetic rats, **by Dahghanhkalili Medical student 2009**
- Psidium guava mechanisim on diabetic vessel complication in rats, **by zaheri MSc student 2009**
- Investigation of GABA-A receptor and nitric oxide system on mesenteric bed perfusion pressure in diabetic rat following of GABA administration, **by Bahrami MSc student 2009**
- Investigation of adenosine A2a receptor and nitric oxide system on mesenteric bed perfusion pressure in diabetic rat following MgSO<sub>4</sub> administration, **by Amiri MSc student 2009**
- Investigation of GABA-A receptor and nitric oxide system on mesenteric bed perfusion pressure in normal rat following of GABA administration, **by Kamran MSc student 2009**
- Prevention effect of psidium guava on diabetic complication in rats, **by Mansoori MSc student 2009**
- Effect of GABA on diabetic rat vessel complication, **by Farsi Msc student 2008**
- Effect of magnesium sulfate on treatment of type two diabetic patient, **by Ouspid and Hosseini Medical student 2007**
- Effect of aerial part extracts Cuminum cyminum L. on insulin and glucagon secretion from rat pancreas, **by Mirghazanfari PhD student 2007**
- Effect of magnesium sulfate on memory in diabetic rat, **by Mansoori Msc student 2004**

#### **Workshops:**

- Oral and Poster presentation as a teacher in Hormozgan Medical Science University (2010- now)
- Research fellowship in Hormozgan Medical Science University (2013)
- EDC workshops in Hormozgan Medical Science University (2008-2012)
- MET( Mediterranean Editorial and Translating) course in Split- Croatia (2008)

- Advanced scientific writing in Hormozgan Medical Science University (2007)
- Oral and Poster presentation in Hormozgan Medical Science University (2007)
- MET( Mediterranean Editorial and Translating) course in Madrid- Spain (2007)
- Advance research in education in Hormozgan Medical Science University (2007)
- IBRO course in Tarbiatmodares Medical Sciences University (2002)
- Medical article editing workshop in Iranian Ministry of Health (1999)
- Learning and problem solving workshop in Isfahan Medical Sciences University (1998)
- Advanced research method workshop in Isfahan Medical Sciences University (1997)
- Introductory research method workshop in Isfahan Medical Sciences University (1995)

#### **Congresses:**

- International endocrine and diabetes, South Africa (2018), **Oral presentation**
- 23th Iranian Congress in Physiology and Pharmacology, Zahedan Medical Science University(2018), **Oral presentation**
- 22th Iranian Congress in Physiology and Pharmacology, Kashan Medical Science University(2015), **Oral presentation**
- International endocrine and diabetes, Egypt (2014), **Oral presentation**
- 21<sup>th</sup> Iranian Congress in Physiology and Pharmacology, Tabriz Medical Science University(2013), **Oral presentation**
- SAAP3 congress Colombo Sir Lanka (2012), **Oral presentation**
- ESC congress Istanbul Turkey (2011), **Guest oral presentation**
- 20<sup>th</sup> Physiology and Pharmacology congress Hamadan Medical Science University Iran (2011), **Oral presentation**

- Pharmacology congress Kopenhagen Denmark (2010), **Poster discussion presentation**
- IUPS( International Physiology Science) Kyoto-Japan (2009)  
**Poster discussion presentation**
- MET( Mediterranean Editorial and Translating) Split- Croatia (2008),  
**Poster discussion presentation**
- Endocrine Society congress (END08), San Francisco, USA (2008), **Poster discussion presentation**
- Endocrine Society congress (END07), Toronto, Canada (2007), **Oral presentation**
- 18<sup>th</sup> Iranian Congress in Physiology and Pharmacology, Mashhad Medical Science University(2007), **Oral presentation**
- 7<sup>th</sup> International Congress in Endocrine and Metabolism, Shaheed Beheshti Medical Sciences University (2004), **Poster discussion presentation**
- 16<sup>th</sup> Iranian Congress in Physiology and Pharmacology, Tarbiat Modarres University (2003)
- 15<sup>th</sup> Iranian Congress in Physiology and Pharmacology, Shiraz Medical Sciences University (2001)
- 14<sup>th</sup> Iranian congress in Physiology and Pharmacology, Tehran Medical Sciences University (1999)
- 13<sup>th</sup> Iranian congress in Physiology and Pharmacology, Isfahan Medical Sciences University (1997), **oral presentation**
- 4<sup>th</sup> Iranian congress in Anesthesiology, Tehran Medical Sciences University (1996),  
**Oral presentation**
- 12<sup>th</sup> Iranian congress in Physiology and Pharmacology, Iran Medical Sciences University (1995), **Poster presentation**

**Honors, Awards and Inventions:**

- The best researcher, Hormozgan medical Science University 2011, 2012

- The best researcher, Hormozgan medical Science University 2010
- The best researcher, Hormozgan medical Science University 2009
- Avicenna award for PhD thesis, Tehran 2008
- The best researcher, Hormozgan medical Science University 2007
- The best lecturer award, Tehran 2007
- Awarded a sixth month scholarship to complete my PhD degree in Toronto University, Canada 2004
- Ranked one in PhD course, Tehran medical Science University 2004

**Positions:**

- Head of physiology department in Hormozgan Medical Journal, 2009-2014
- Educational Assistant in Hormozgan Medical Journal, 2007
- Director of Research Affairs in Hormozgan Medical Journal, 2007
- Chief editor in Hormozgan Medical Journal, 2007
- Head of library in Hormozgan Medical Sciences University, 1998-2001
- Circulatory manager of Hormozgan Medical Journal  
1998-2001
- Research manager for residential thesis, Isfahan Medical Sciences University,  
1995-1998

**Reference:**

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