

# “Curriculum Vitae”

## **Personal Description:**

**First Name:** Monireh

**Surname:** Azizi

**Educational Degree:** Ph.D of Anatomy

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**Address:** Department of Anatomy, Faculty of Medicine, Ilam University of Medical Sciences, Ilam, Iran.

## **Current University Position:**

Associate professor of Anatomy in Ilam University of Medical Sciences

## **Executive tasks**

-Head of the scientific society of the school of medicine from september 2017

-Director of Education and post Graduate of School of Medicine from october 2018

- Vice Chancellor for Basic Medical Sciences from may 2020

## **Honors & Awards:**

-Award from Nanotechnology Headquarters for publishing of article in nanotechnology field in polymer research journal in 2013.

- Award from Nanotechnology Headquarters for Ph.D thesis in nanotechnology field (2013).

## **Research Interests:**

- Spinal cord injury (SCI) & other Neurodegenerative Disorders(Alzheimer)

- Tissue engineering

-Nanotechnology

- Drug Delivery systems

- Cell Culture
- Cell therapy

### **Skills:**

- Immunocytochemistry (ICC)
- Immunohistochemistry (IHC)
- Flowcytometry
- MTT test
- Griess method for NO detection
- Florimetry for ROS
- Cell culture & cell transplantation
- Spinal cord Injury (SCI) Induction
- Alzheimer model Induction
- Nanoparticle & Microparticle preparation
- UV spectrophotometry
- Bradford Assay
- Western blot
- ELISA
- HPLC
- Behavioral tests(BBB, water maze & shuttle box tests)

### **Membership of Association:**

- Member of Iranian Neuroscience Society
- Member of Iranian Association of Anatomical Sciences

### **Educational Background:**

**B.Sc:** Midwifery, Ahwaz University of Medical Sciences, 1996

**M.Sc:** Anatomy, Shiraz University of Medical Sciences, 2001

**M.Sc thesis title:** Stereological study of ganglion cells of superior cervical ganglion (SCG) in female diabetic rats

**Ph.D:** Iran University of Medical Sciences, 2013

**Ph.D thesis title:** Fabrication of chondroitinase ABC-loaded Nan particles and assessment of their effects in combination with OEC's on the functional recovery in the spinal cord injured rats.

### **Other Scientific Activities:**

-Member of student executive committee of 5<sup>th</sup> APICA/8<sup>th</sup> national anatomical sciences.16-18 may 2008, Tehran, Iran.

- Member of jury committee in 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 6 & 8<sup>th</sup> basic and clinical neuroscience congress (BCNC), 2014, 2015 , 2016,2017 & 2019, Tehran, Iran.

### **Book Translating & Writing:**

-Translation of Gray's Head & Neck anatomy for students (2015) (as member of translating group)

- Translation of Gray's upper & lower limbs anatomy for students (2015) (as member of translating group)

- Translation of Junqueira's Basic Histology (2016) (as member of translating group)

- Translation of Junqueira's Basic Histology (2018) (as member of translating group)

- Translation of Gray's Trunk anatomy for students (2015) (as member of translating group)

### **Selected Papers Presented in Congresses:**

- Stereological study of perikaryon of the cells of SCG in diabetic rats, Poster Presentation in 15<sup>th</sup> international congress of geographic medicine & 5<sup>th</sup> national congress of Medical education, December 9-11, 2002, Shiraz, Iran.

-The effects of organic extraction of colocynthis on fertility rate and the number of embryo in mouse, Poster Presentation,8<sup>th</sup> Iranian seminar of pharmaceutical sciences,Aug27-29,2002, shiraz, Iran.

- Induction of angiogenesis by local injection of prostaglandin E2 in skin transplantation, 8<sup>th</sup> Iranian seminar of pharmaceutical sciences, Aug27-29, 2002, Shiraz, Iran.
- The effect of prostaglandin E2 in angiogenesis in skin graft. 5<sup>th</sup> scientific congress federation of asian & oceanic physiological societies (FAOPS)
- Structure of liver, pancreas in diabetic rats, Poster Presentation in 7<sup>th</sup> Iranian anatomical sciences congress, 10-12 may, 2006, kashan, Iran.
- Effects of raphanus sativus on glucose, cholesterol, TG of blood and microscopic study of liver and pancreas in diabetic rats, Poster Presentation, 7<sup>th</sup> Iranian anatomical sciences congress, 10-12 may, 2006, Kashan, Iran.
- Development and regulation of dendritic spine synapses, Review article, Poster Presentation in 5<sup>th</sup> APICA/8<sup>th</sup> national anatomical sciences, 16-18 may 2008, Tehran, Iran.
- Different repair approaches of pancreatic cells, Review article, Poster Presentation in 5<sup>th</sup> APICA/8<sup>th</sup> national anatomical sciences, 16-18 may 2008, Tehran, Iran.
- Muller cells of retina and their functions, Review article, Poster Presentation in 5<sup>th</sup> APICA/8<sup>th</sup> national anatomical sciences, 16-18 may 2008, Tehran, Iran.
- Apoptosis phenomena, Review article, Poster Presentation in 5<sup>th</sup> APICA/8<sup>th</sup> national anatomical sciences, 16-18 may 2008, Tehran, Iran.
- Effects of camellia sineisis (Green tea) extract on blood glucose and body weight in diabetic rats, Poster Presentation in 5<sup>th</sup> APICA/8<sup>th</sup> national anatomical sciences, 16-18 may 2008, Tehran, Iran.
- Preparation and characterization of PLGA Nan particles containing chABC enzyme for spinal cord injury, **Oral** presentation in 5<sup>th</sup> international controlled release conference (ICRC), 4-6 octobr, 2011, Mashhad, Iran.
- PLGA Nanoparticles loaded with Chondroitinase ABC: preparation, characterization and in vivo evaluations, Poster Presentation, 6-9 october 2014, IPPI, Tehran, Iran.
- Assessment of Chondroitinase ABC-loaded Nan particles effects on the functional recovery and axonal regeneration in the SCI contused rats, **Oral** presentation in 3<sup>rd</sup> BCNC, 29-31 october, 2014, Tehran, Iran.
- Comparasion of two strategies for SCI treatment: Chondroitinase ABC-loaded Nan particles and cell therapy by OECs, **Oral** presentation in 4<sup>th</sup> BCNC, December 23-25, 2015, Tehran, Iran.
- Combined Treatment of SCI by Chondroitinase ABC –loaded Nanoparticles and OM-OECs. **Oral** presentation in 5<sup>th</sup> BCNC 2016.

- The comparison of OECs Transplantation Effect on Functional Recovery and Axonal Regeneration in Acute and Delay Phase of Spinal Cord Injury. Poster Presentation in 5<sup>th</sup> BCNC 2016.

- Relationship Between Chondroitin Sulfate of Glial Scar and Functional Recovery in Spinal cord Contused Rats. Poster Presentation in 5<sup>th</sup> BCNC 2016.

### **Theses supervisor:**

- Effect of olfactory ensheathing cells (OECs) transplantation on functional recovery in acute and delayed phases of spinal contused rats: A comparative study. **Finished**

-Study of initial to complete formation of glial scar for determination of suitable treatment time of spinal cord injury (SCI) in contused rats. **Finished**

-Assessment of anti-oxidative , neurotrophic and angiogenic effects of Silibinin Extracted from silybum Marianum on olfactory ensheathing cells (OECs) of rat. **Finished**

-Assessment of anti-oxidative , Neurotrophic and angiogenic Effects of Hypericine Extracted from Hypericum perforatum on Olfactory Ensheathing Cells (OECs) of rat pups . **Finished**

- Effects of protective concentrations of Silibinin Extracted from Silybum Marianum on oxidative stress , BDNF and NGF factors in Alzheimer model of rats. **finished**

### **Research In Process:**

- Effects of Hypericine - loaded nanoparticles on oxidative stress, Neurotrophic and angiogenic trophic factors in Olfactory Ensheathing Cells (OECs) of rat pups . **In process**

- Effects of silibinin - loaded nanoparticles on oxidative stress, Neurotrophic and angiogenic trophic factors in Olfactory Ensheathing Cells (OECs) of rat pups . **In process**

-The effect of ethanol extracts of scrophularia striata on skin wound healing and expression of TGF- $\beta$  and EGF in rats. **In process**

-study of effects of gum mastic on ulcer peptic-induced by indometacine in rats. **In process**

-Effects of Verbascum Thapsus extract on wound healing in male wistar rats. **In process**

### **Full Articles:**

[-Stereologic study of the effects of prostaglandin E2 on the induction of angiogenesis in full-thickness skin autografts.](#) TT Khozani, A Noorafshan, S Nikeghbalian, MR Panjeh-Shahin, M Azizi, ,Advances in skin & wound care, 2004,17 (4), 202-206

[-Stereological Study on the Neurons of Superior Cervical Sympathetic Ganglion in Diabetic Rats.](#)A Noorafshan, M Azizi, E Aliabadi, S Karbalay-Doust, Iranian Journal of Medical Sciences,2005, 30 (1), 24-27

[- Toxic effects of hydroalcoholic extract of Citrullus colocynthis on pregnant mice.](#)F Dehghani, T Talaei-Khozani, F Mesbah, M Azizi, MR Panjehshahin, Iranian Journal of Veterinary Research, 2008,9 (1), 42-45

[-Effect of Green Tea \(CAMELLIA SINEISIS L\) Extract on Blood Glucose and Body Weight in Male Induced Diabetic Rats.](#)MH MAHDIZADEH MAHDI\*, HOSSEINI TEHRANI S.A., EBRAHIMINIA F.A., ELAHI ANAHITA, Monireh Azizi,J of Gorgan University of Medical Sciences, 2009,11 (Number 1 (29)), 8-12

[-The Effects of Aqueous Extract of Raphanus sativus on Blood Glucose, Triglyceride and Cholesterol in Diabetic Rats.](#) F Dehghani, M Azizi, MR Panjehshahin, Iranian Journal of Pharmacology & Therapeutics, 2012,10 (2), 66-70

[-Fabrication of protein-loaded PLGA nanoparticles: effect of selected formulation variables on particle size and release profile.](#) M Azizi, F Farahmandghavi, M Joghataei, M Zandi, M Imani, M Bakhtiary,Journal of Polymer Research 2013,20 (4),110

[-Cell Therapy in Spinal Cord Injury: a Mini-Review.](#) S Mehrabi, S Eftekhari, F Moradi, H Delaviz, B Pourheidar, M Azizi, Basic and clinical neuroscience, 2013,4 (2), 172

[-Nandrolone decanoate administration can increase apoptosis in spermatogenesis cell lines in male rats.](#)AM Saeed Shokri, Tahmineh Mokhtari, Monireh Azizi, Hojjat-allah Abbaszadeh. J Bas Res Med Sci,2014, 1 (3), 21-31

[-Biological and morphological characteristics of skin fibroblast cells; Current clinical status and future prospects- A review.](#)AM Safar Ali Amiri Andi, Monireh Azizi, Ayoob Rostamzadeh, Journal of Chemical and Pharmaceutical Sciences (JCPS),2016, 9 (4)

[Effect of different concentrations of Aloe vera leave's extract on the healing process of rat's second degree burn.](#) K Ramz, N Abbasi, M Hafeziahmadi, M Azizi, A Hedayatpour, J Bas Res Med Sci, 2016, 3 (4), 34-39

[Purity determining of cultured OECs from olfactory mucosa of rats' pups.](#)MTJ, Monireh Azizi, Mehrdad Bakhtiari, Farhid Farahmand Ghavi, Mojgan Zandi ,J Bas Res Med Sci,2016, 3 (4), 12-21

[-Protective effects of Smyrnum cordifolium Boiss Essential oil on pentylenetetrazol-induced seizures in mice: Involvement of Benzodiazepine and Opioid antagonists](#).AK Abbasi, N. MohammadpourS., Karimi E., AidyA., Karimi P.,Azizi M.J Biol Regul Homeost Agents, 2017, 31 (3), 683-689

[-A self-assessment predictive model for type 2 diabetes or impaired fasting glycaemia derived from a population-based survey](#).GA khairollah Asadollahi, Parisa Asadollahi, Monire Azizi, Diabetes research and clinical peractice, 2017, 219-229

[Functional recovery assessment of spinal cord contusion model in male rats without therapeutic interventions](#).MA Sara Rezaei, Salar Bakhtiari, Khairollah Asadollahi, Somayeh Heidarijadi ...J Bas Res Med Sci,2017, 4 (2), 17-23

[-Effect of olfactory ensheathing cells \(OECs\) transplantation on functional recovery in acute phase of spinal contused rats](#).MA Somayeh Heidarijadi, Naser Abbasi, Khairollah Asadollahi, Sara Rezaei, J Bas Res Med Sci 2017 4 (1), 30-36

- [Effect of citrulus colocynthis on fertility rate and the number of embryo in mouse](#).F Dehghani, MR Panjehshahin, M Azizi, F Mesbah, S Karbalaedoost, Toxicology Letters 144, s110

- [Effects of breast milk on pain severity during muscular injection of hepatitis B vaccine in neonates in a teaching hospital in Iran](#). Z. Hatami Bavarsad , K. Hemati , K. Sayehmiri , P. Asadollahi , G. Abangah , M. Azizi , K. Asadollahi.

- [Histopathological study of liver tissue due to methadone consumption and its effect on liver enzymes and inflammatory indices in rat](#). Mansour Amraei,,Mahmoud Mohamadpour,Mohammad Reza Hafezi Ahmadi, Monireh Azizi, Ahmad Daemi, Mohammad Omidi,, Ehsan Shirzadpour. Drug Design, Development and Therapy 2018:12 3785–3795.

- [Determination of Spontaneous Locomotor Improvement in Rats with Spinal Cord Chronic Injury](#).Rezaei S, Bakhtiary S, Asadolahi K, Hydarizadi D, Moayeri A, Azizi M. SJIMU 2018,8;25.

- [Effects of Olfactory Ensheathed Cells Transplantation on Functional Recovery in Delayed Phase of Spinal cord in Injured Rats](#). Heidarijadi S, Abbasi N, Asadollahi Kh, Rezaei S, Moayeri A, azizi M. SJIMU 2018, 8;25.

[Effects of Transplanted Olfactory Ensheathing Cells on Functional Improvement and Axonal Regeneration in Acute and Delayed Spinal Cord Injury in Rats: A Comparative Study](#)

MA Somayeh Heydarijadi, Naser Abbasi, Khairollah Asadollahi, Sara Rezaee ...

JASI, 10.232.74.262019.

[-Investigating the effect of Crocus sativus L. petal hydroalcoholic extract on inflammatory and enzymatic indices resulting from alcohol use in kidney and liver of male rats](#)

MA Monireh Azizi, Naser Abbasi, Mojtaba Mohamadpour, Salar Bakhtiyari ...

Journal of Inflammation Research 12, 269–283

[-The effects of mumie extract on cell proliferation and enzyme expression of human osteoblast-like cells\(MG63\).](#)

AK Abbasi N, Azizpour Y, Azizi M, Karimi E, Aidy A  
journal of stem cells and regenerative medicine 15 (2), P1

[-ChABC-Loaded PLGA Nanoparticles: A Comprehensive Study on Biocompatibility, Functional Recovery, and Axonal Regeneration in Animal Model of Spinal Cord Injury](#)

M Azizi, F Farahmandghavi, MT Joghataei, M Zandi, M Imani, M Bakhtiari, ...

International Journal of Pharmaceutics2020, 119037

[-Evaluation of Chondroitin Sulfate and Dermatan Sulfate Expression in Glial Scar to Determine Appropriate Time of Therapeutic Interventions in Contused Rats](#)

MA Sara Rezaei, Salar Bakhtiyari, Khairolah Assadollahi, Somayeh Heidarizadi ...Basic and clinical neuroscience.2020.

[-Investigation of the effect of hydroalcoholic mumie extract on expression of osteoprotegerin \(OPG\) and receptor activator of nuclear factor kappa-B ligand ...](#)

EK Yosra Azizpour, Monireh Azizi, Khairollah Asadollahi, Naser Abbasi, Ali Aidy

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