



Personal and Contact Information

First Name; **Farzaneh**

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Education

❖ Specialty/PhD (Field of Study; **Anatomical sciences**, Name of University; **Baqiyatallah University of Medical Sciences**, Year Graduated; **2014**)

Thesis (Topic; **Study of the effect of bioscaffolds & autologous mesenchymal stem cell therapy on promoted the skin flap survival in rat**, Supervisor; **Imani H**, Advisor; **Sadraie H**)

❖ Master of Science (Field of Study; **Anatomical sciences**, Name of University; **Shaheed Beheshti university of Medical Sciences**, Year Graduated; **2006**)

Thesis (Topic; **Effect of pentoxifylline on survival of random skin flap in rat: an Ultrastructural and biomechanical evaluation** .Supervisor; **Bayat M**, Advisor; **Sadeghi Y**)

❖ Bachelor of Science (Field of Study; **Health sciences**, Name of University; **Shiraz University of Medical Sciences**, Year Graduated; **2002**)





- ❖ Related degree (Field of Study, Name of University, Year Graduated)

Honors, Awards, and Scholarships (if available)

- Member of Lorestan Stem Cell Science and Technology Development Council.
- Member of the Laboratory of Electronic Education, Faculty of Medicine, Lorestan University of Medical Sciences(ELMS).
- Member of Herbal Medicines Journal (Herb Med J)
- Secretary of Journal Club in Anatomical Sciences Department of Lorestan University of Medical Sciences.
- Member of the Strategic Council of Research Reference Laboratory of Lorestan University of Medical Sciences.
- Administrator for histology laboratory Razi Research Center, Lorestan University of Medical Sciences.

Experiences

1.Scientific position

Assistance professor of Anatomical Sciences Department
Lorestan university of medical sciences.

2.Clinical Experiences

- Work in medical genetics laboratory of Dr. zeinali as Projects co-Worker and researcher , 2007
- Attended in the Technical Training Course on evaluation internal anatomy course at PG grade, NOV, 2007.





- Work in Baghiatalah Medical university as health professional and researcher , 2002 – 2004

3. Teaching Experiences

- 2015 Until Now: Uniteaching, school of medicine, Lorestan University of Medical Sciences.
- 2015-2016 MSC; Teaching Anatomy Urinary system and Genital tract.
- 2016-2017 MSC; Teaching Anatomy Head and neck
- 2016 -2017MSC; Teaching General Embryology
- 2017 -2018MSC; Teaching General Anatomy
- 2017-2018 MSC; Teaching Anatomy Head and neck
- 2018-2019 MSC; Teaching Cell Biology

Grants

Vice Chancellor of Research and Technology Lorestan University of Medical Sciences for N0 of below mentioned projects

Supervisor

1. Biological Factor and Stem Cells on Skin Flap Necrosis: The Role of Mast Cells in Transitional line. **Finished**
2. Efficacy of Bone Marrow Mesenchymal Stem Cells and Amniotic Membrane on Mast Cells Number and Degranulation in Random Skin Flap in Rats. **Finished**
3. Evaluating the effect of Bone Marrow Mesenchymal stem cells Therapy on Survival of Random Skin Flap in Sterptozotocin – induced Diabetic Rats by Light Microscopically Examination. **Finished**
4. Effect of Bone Marrow Mesenchymal Stem Cells on Mast Cells Concentration on Skin Flap in Diabetic Rats. **Finished**
5. Anti-fibrotic effects of Apelin and practice sports to improve regeneration of cardiac damage caused by ischemia-reperfusion in isolated rat hear. **Finished**





6. Transplantation of vasopressin- pretreatment Adipose-Derived Stem Cells improves infarcted heart function via enhanced survival of implanted cells and angiogenesis. Finished
7. The effect of Bone Marrow mesenchymal stem cells on surgical ulcers in diabetic rats: study of histopathology, biomechanics and biochemical. Finished
8. The effect of vasopressin pre-treated of human adipose tissue mesenchymal stem cells on oxidative stress and angiogenesis induced by localized cardiac infarction in rats. Finished
9. The study of wound healing modulation by an amniotic membrane in plastic surgery through stem cells. Finished
10. The study of wound healing modulation by chicken embryo extract in plastic surgery through stem cells. Finished
11. The study of the AMNIOTIC MEMBRANE attenuates skin ischemia, via regulating apoptosis pathway. In progress
12. The effect of exercise training and hydro alcoholic extract of olive leaf on ICAM-1 level in coronary artery and cardiac muscle after reperfusion in diabetic male rats. In progress
13. The effect of exercise training and hydro alcoholic extract of valerian on VCAM-1 levels in coronary artery and cardiac muscle after reperfusion in diabetic male rats. In progress
14. The study of the effects of stem cells on the survival perforator flap in rats. In progress
15. Investigating the effect of satureja khuzestanica essential oil on renal toxicity induced by subchronic exposure of cypermethrin. In Proress
16. Investigating the effect of satureja khuzestanica essential oil on cardio toxicity induced by deltamethrin. In Proress
17. Investigating the effects of satureja Khuzestani essential oil on renal toxicity induced by sub chronic exposure to deltamethrin. In Proress
18. Investigating the effects of satureja khuzestanica essential oil on hepatotoxicity induced by subchronic exposure of cypermethrin. In Proress
19. Investigating the effects of satureja khuzestanica essential oil on hepatotoxicity induced by deltamethrin. In Proress
20. Investigating the effects of satureja khuzestanica essential oil on hepatotoxicity induced by subchronic exposure of cypermethrin. In Proress





21. Study of the effect of vasopressin-conditioned human adipose tissue derived mesenchymal stem cells on oxidative stress, perivascular collagen deposition, and angiogenesis in a rat heart infarction model. [In Proress](#)

Advisor

- The effect of antioxidant role of endurance training along with the consumption of *Urtica dioica* hydroalcoholic extract on neural apoptosis and necrosis and some proteins related to neural regeneration (GAP-43 and CAP-1) in hippocampus tissue of diabetic neuropathic rats. [Finished](#)
- investigating the preventive effect of carvacrol on peptic ulcer in male wistar rat. [In Proress](#)
- Comparison of effects of carvacrol and omeprazole in peptic ulcer induced by indomethacin in male wistar rat. [In Prores](#)

Publication

Articles

- Co-localization of flt1 and tryptase of mast cells in Skin Wound of Rats with Type I Diabetes: Initial Studies. Mohammad Bayat, Sufan Chien, [Farzaneh Chehelcheraghi](#). [Acta Histochemical Journal Oct 26, 2020](#). Under review.
- Preconditioning by Vasopressin Improves Therapeutic Efficacy of human adipose-derived mesenchymal stem cells Following Myocardial Infarction in rat. Shakiba Nasiri; [Farzaneh Chehelcheraghi](#); Mojtaba Khaksarian; Mehrnoosh Sedighi; Vajihe Ghorbanzadeh, Afshin Nazari; [European Journal of Pharmacology](#); under review





- **Aerobic exercise-assisted cardiac regeneration by inhibiting tryptase release in mast cells after myocardial infarction. Mohammad Bayat, Sufan Chien, Farzaneh Chehelcheraghi, ABC, Cardiol Journal. 28-Oct-2020. Under review.**
- **Cell sheets from Bone Marrow mesenchymal stem cells Induce healing process of diabetic wounds via increase PECAM-1 expression: A novel preliminary study. Maryam Habibi, Farzaneh Chehelcheraghi A-9, 27, 2020, IBJ, under review.**
- **Skin tissue engineering based on mast cell and Bone Marrow-Derived Cells therapeutic strategies. Zarei Leila, Khanifar Ahmad, Anbari Khaterreh Farzaneh Chehelcheraghi. 20 August 2020 JKMU. under review**
- **Diabetic model for hippocampal enhancement in rats undergoes. Exercise/Urtica dioica extracts. Masoud Rahmati, Maryam Keshvari, Rahim Mirnasouri, Farzaneh Chehelcheraghi; Nutrients journal, 9 November 2020, under review.**
- **Synergetic effects of Chick Embryo Extract and Gold Nanoparticles for Matching Skin Flap Regeneration. Farzaneh Chehelcheraghi, Nanomed Res J. accepted**
- **"Preparation and characterization of loaded paraquat- polymeric chitosan/xantan/tripolyphosphate nanocapsules and evaluation for controlled release" Ali Jafari; Mansour Ghaderpoori; Efat Nazari; Marzieh Rashidipour; Afshin Nazari; Farzaneh Chehelcheraghi; Bahram Kamarehie; Reza Rezaee. Journal of Environmental Health Science and Engineering. 28 September 2020.**
- **Keshvari M, Rahmati M, Mirnasouri R, Chehelcheraghi F. Effects of endurance exercise and Urtica dioica on the functional, histological and molecular aspects of the hippocampus in STZ-Induced diabetic rats. Journal of Ethnopharmacology 2020 Apr 1:112801.**
- **Using Apelin and exercise to protect the cardiac cells: synergic effect in ischemia reperfusion injuries treatment in rats. Nazari A, Chehelcheraghi F. Bratisl Med J 2020; 121 (1) 14–21**
- **Mesenchymal stem cells improve survival in ischemic diabetic random skin flap via increased angiogenesis and VEGF expression. Farzaneh Chehelcheraghi | Sufan Chien MD | Mohammad Bayat PhD, J Cell Biochem. 2019.**
- **The Effect of Bone Marrow Derived Mesenchymal Stem Cells on the Survival of Random Skin Flap on Sterptozotocin-Induced Diabetic Rats. Rezazadeh KH, Chehelcheraghi F, and Anbari Kh | J Adv Med Biomed Res. 2018; 26(119): 24-33.**





- **Effect of Mesenchymal Stem Cells and Chicken Embryo Extract on Flap Viability and Mast Cells in Rat Skin Flaps. Journal of Investigative Surgery. Chehelcheraghi F, Bayat M, Chien S. 2018 Jun 4:1-1.**
- **Skin Mast Cell Promotion in Random Skin Flaps in Rats using Bone Marrow Mesenchymal Stem Cells and Amniotic Membrane. Chehelcheraghi F, Abbaszadeh A, Tavafi M.; Iran Biomed J. 2018.**
- **Rad NM, Shafie FF, Chaghervand MM, Kashfi S, Rashidipour M, Chehelcheraghi F, Mozaffarpur SA, Rasoulia B. The Wound Healing Effect of Plantago Major Leaf Extract in a Rat Model: An Experimental Confirmation of a Traditional Belief in Persian Medicine. Herbal Medicines Journal. 2018; 3(2).**
- **Chehelcheraghi F, Eimani H, Sadraie H, Torkaman G, Shemshadi H, Alavi Magd H. The Effects of Acellular Amniotic Membrane Matrix and Bone marrow Derived Mesenchymal Stem Cells on Improve Random Skin Flap Survival in rat. Iranian Red Crescent Medical Journal 2016 June1.**
- **Chehelcheraghi F, Eimani H, sadreia H, Torkaman G, Shemshadi H, Alavi MagD H .Engraftment Bone Marrow Derived Mesenchymal Stem cells /Chicken Embryo Extract for Improved Dorsal Random Skin Flap Survival in Rats. Iran J Basic Med Sci. 2015 Aug;18(8):764-72 9 July2015 .**
- **Bayat M. Chehelcheraghi F, Piryaei A. pentoxifylline on the survival of Random skin Flap in the rat: an Ultrastructural and biomechanical evaluation Published by American Journal medical science monitor 2006**

➤ 2.Articles (In Persian)

- **The effect of six weeks of endurance training and hydroalcoholic extract of nettle on blood glucose levels and necrotic cells of CA3 region of Hippocampus of Wistar rats in type 1 diabetes model. Keshvari, Maryam, Rahmati, Massoud, Mirnsouri, Rahim, Chehel Cheraghi, Farzaneh. (Date May 15, 1399) 10.22089/spj.2020.8033.1969.**
- **Histological Evaluation of Different Types of Mastocytes in the Skin Flap Using Bone Marrow Mesenchymal Stem Cells through Biological Growth Factor. Chehelcheraghi F, Anbari Kh.J Babol Univ Med Sci Vol 20, Issu 3; Mar 2018.**

Abstract

- **1.International**





- **Chehelcheraghi F. Effect of Mesenchymal Stem Cells and Chicken Embryo Extract on Flap Viability and Mast Cells in Rat Skin Flaps;Speaker (Panel X: Basic Sciences) in the 4th international and 6th national congress of wound and repair tissue.nov,19 - 22,2019 ,Razi hall,Theran,Iran.**

- **Chehelcheraghi F. Mesenchymal stem cells improve survival in ischemic diabetic random skin flap via increased angiogenesis and VEGF expression. Speaker presented in the third international congress on biomedicine,27-1January 2019, Tehran, Iran.**

- **Chehelcheraghi F. Effect of mesenchymal stem cells and chicken embryo extract on flap viability and mast cells in rat skin .Speaker presented in the second international congress on biomedicine,27-1January 2018, Tehran, Iran**

- **Chehelcheraghi F. Effects of Acellular Amniotic Membrane Matrix and Bone Marrow-Derived Mesenchymal Stem Cells in Improving Random Skin Flap Survival in Rats. Speaker presented and Chairpersons (Panel X: Basic Sciences) in the 3th international and 5th national congress of wound and repair tissue.sep,26-28,2018 ,Razi hall,Theran,Iran.**

- **Chehelcheraghi F. Efficacy of Bone Marrow Mesenchymal Stem Cells and an Amniotic Membrane on the Number of Mast Cells and Degranulation in Random Skin Flaps in Rats. Speaker presented in the first international congress on biomedicine, 18-21 December 2017, Tehran, Iran**

- **Chehelcheraghi F. Improved viability of random pattern skin flaps with the use of bone marrow mesenchymal derived stem cells and chicken embryo extract .speaker presented in 7th International Congress of Asian Plastic Surgeons and Restoration Academy and The forth shiraz rhinology international course ,11-14 July 2017,Shiraz,Iran.**

- **Chehelcheraghi F. Pentoxifylline effects on the survival of random skin flap in the rat: an ultrastructure and biomechanical evaluation, speaker presented in 3th International congress of skin & hair diseases-news in dermatology & laser, 2010, Esfahan, Iran.**

- **Chehelcheraghi F. Effect on the survival of random skin flap in the rat: on ultrastructure and biomechanical evaluation. Speaker in 7th Iranian congress of anatomy 2006, kashan, Iran.**

2.National





Chehelcheraghi F; Design, implementation and evaluation of anatomical electronic test and its comparison with cadaver test, Evaluation of medical students in Anatomy Science Group. Poster presented ;The 20th Iranian Conference on Health Professions Education (ICHPE) Ministry of Health and Medical Education, 1st-3rd May 2019, Tehran, Iran.

Reviewer of national and international scientific journal

- **Journal of Investigative Surgery, Published by Taylor & Francis Group (2015-present).**
- **Journal of Babol University of Medical Sciences, Published and supports by Babol University of Medical Sciences (2017-present).**

Editorial Board of Medical Journals

- **Journal of Advanced Plastic Surgery Research, editor in chief; Kaiser Foundation Health Plan Membership, California, USA)**
- **Herb Med J is supported and published by Lorestan University of Medical Sciences, Khorramabad, Iran**

Workshop

- **Surface Anatomy Workshop, Chehelcheraghi F; scientific manager in work shop by Lorestan University of Medical Sciences, Khorramabad, Iran 6-7 december 2019.**
- **Immunohistochemistry technique workshop , Chehelcheraghi F ;scientific & practical manager in work shop by Lorestan University of Medical Sciences, Khorramabad, Iran, 17 October 2017**

Interest

In science: Regenerative medicine
In sports: Walking
In family :Cooking

Language Proficiency

Speaking Reading Writing Listening





**Language ;American
English**

Goodish

Goodish

Goodish

Goodish

Degree of Proficiency

Goodish

