

Curriculum vitae

Prof. Farzaneh Chehelcheraghi, PhD

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- **Faculty member, Regenerative Medicine Department,**
Gastroenterology and Liver Diseases Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran
- **Educational Director, Medical Ethics and Law Research Center,**
Shahid Beheshti University of Medical Sciences, Tehran, Iran
- **Member of, National Scientific Board in Applied Cell Science,**
Ministry of Health and Medical Education
- **Senior Associated Researcher,**
Experimental Wound Healing, Institution for Laboratory Medicine, Lorestan University of Medical Sciences, Khorramabad, Lorestan Iran
- **Member of Iranian Anatomical Sciences Association of Iran, Since 2001**
Tehran, Iran

Education:

Education:

- 1996-2001, School of Midwifery, Shiraz University of Medical Science (SUMS),
- 2003-2006, Shahid Beheshti University of Medical Science, Master of Science Anatomical sciences,
- 2011-2015, Baqiyatallah University of Medical Sciences (BMUS), PhD of Anatomical sciences,
- 2023-2025, Tehran University of Medical Sciences (TUMS), Postdoctoral Research Fellow, Tissue Engineering and Regenerative Medicine, Supervisor: Prof. Jafar AI; Department of Tissue Engineering and Applied Cellular Sciences, School of Advanced Technologies in Medicine, Tehran, Iran

Professional activities:

- Membership in EDC, Student Evaluation Committee of Shahid Beheshti University of Medical Sciences
- Head of Continuing Education Center (ircme) Medical Ethics and Law Research Center, Shahid Beheshti University of Medical Sciences
- Reviewer activity for 7 international publications/grants
- Member of Lorestan Medical Sciences Ethics Committee.
- Member of the Laboratory of Electronic Education, Faculty of Medicine, Lorestan University of Medical Sciences) ELMS
- Member of Herbal Medicines Journal (Herb Med J) Editorial board.
- Member of the Strategic Council of Research Reference Laboratory of Lorestan University of Medical Sciences.
- Manager for histology laboratory Razi Research Center, Lorestan University of Medical Sciences.
- Professor of teaching of Anatomical Sciences in Faculty of Medicine
 - 2023-2024 MSC; Teaching Diagnostic Evaluations with medical imaging, Shahid Beheshti University of Medical Sciences
 - 2023-2024 MSC; Teaching Pathophysiology, Shahid Beheshti University of Medical Sciences
 - 2022-2023, Radiology technology: Teaching Sectional Anatomy
 - 2021-2023 MSC: Teaching Medical Physics
 - 2015-2023, Medical Students: Teaching Medical Embryology
 - 2015-2023, Medical Students: Teaching Anatomy head and neck
 - 2015-2019, Medical Students: Teaching Medical Histology
 - 2019-2021 MSC; Teaching Neuroanatomy.
 - 2018-2019 MSC; Teaching Cell Biology
 - 2017 -2018MSC; Teaching General Anatomy

- 2017-2018 MSC; Teaching Anatomy head and neck
- 2015-2016 MSC; Teaching Anatomy Urinary system and Genital tract.
- 2016-2017 MSC; Teaching Anatomy Head and neck
- 2016 -2017MSC; Teaching Medical Embryology
- Department at Islamic Azad University Tehran Medical sciences (2008-2015) /Varamin Pishva Branch (2007-2010)
- 2007-2008; Scientific Activity project for Tag DNA polymerase.

Recent Publications:

1. Electrospun nanofibrous biocomposite of Royal Jelly/Chitosan/Polyvinyl alcohol (RJ/CS/PVA) gel as a biological dressing for *P. aeruginosa*—Infected burn wound. *Applied Biochemistry and Biotechnology*. 2024 Jun;196(6):3162-83 Ashrafi B, **Chehelcheraghi F**, Rashidipour M, Hadavand S, Beiranvand B, Taherikalani M, Soroush S.
2. Protective effect of bone marrow mesenchymal stem cells on the survival zone of the perforator flaps in rats. *SAGE Open Med*. 2024 Sep 6;12:20503121241276278. doi: 10.1177/20503121241276278. PMID: 39247215; PMCID: PMC11380125. Bazgir F, Karimi Rouzbahani A, Birjandi M, **Chehelcheraghi F**.
3. Loaded paraquat polymeric nanocapsules and evaluation for cardiotoxicity in Wistar rats. *International journal of environmental health research*. 2024 Mar 3;34(3):1284-98. Jafari A, Nazari E, Ghaderpoori M, Rashidipour M, Nazari A, **Chehelcheraghi F**, Kamarehie B, Rezaee R.
4. Applying Vasopressin-Pre-Conditioned Human Adipose Mesenchymal Stem Cells Improves Heart Condition after Transplantation into Infarcted Myocardium. *International Journal of Molecular and Cellular Medicine*. 2022;11(3):207. Boroujeni SN, **Chehelcheraghi F**, Khaksarian M, Sedighi M, Ghorbanzadeh V, Nazari A.
5. Enhanced survival and accelerated perfusion of skin flap to recipient site following administration of human amniotic membrane in rat models. *Journal of Plastic, Reconstructive & Aesthetic Surgery*. 2022 Nov 1;75(11):4321-7. Nazanin M, Mahshad M, Mehdi B, **Chehelcheraghi F**.
6. Cross talk of vasopressin conditioned cell therapy in ischemic heart disease: Role of oxidative stress markers. *Iranian Journal of Basic Medical Sciences*. 2022 Sep;25(9):1084. Bagheri M, Boroujeni SN, Ahmadvand H, Nazari A, **Chehelcheraghi F**.
7. Resistance training and *Urtica dioica* increase neurotrophin levels and improve cognitive function by increasing age in the hippocampus of rats. *Biomedicine & Pharmacotherapy*. 2022 Sep 1;153:113306. Rahmati M, Keshvari M, Xie W, Yang G, Jin H, Li H, **Chehelcheraghi F**, Li Y.
8. Coactivity of mast cells and stem cells on angiogenesis and antioxidants' potentials at inflammation, proliferation, and tissue remodeling phases of wound. *Archives of Plastic Surgery*. 2022 May;49(03):462-70. Mousavi M, Khanifar A, Mousavi N, Anbari K, **Chehelcheraghi F**

9. Effect of bone marrow mesenchymal stem cell sheets on skin capillary parameters in a diabetic wound model: a novel preliminary study. *Iranian Biomedical Journal*. 2021 Aug 28;25(5):334. Habibi M, **Chehelcheraghi F**.
10. Exercise and *Urtica dioica* extract ameliorate hippocampal insulin signaling, oxidative stress, neuroinflammation, and cognitive function in STZ-induced diabetic rats. *Biomedicine & Pharmacotherapy*. 2021 Apr 13. Rahmati M, Keshvari M, Mirnasouri R, **Chehelcheraghi F**.
11. Co-localization of Flt1 and tryptase of mast cells in skin wound of rats with type I diabetes: Initial studies. *Acta Histochemica*. 2021 Feb 1;123(2):151680. Bayat M, Chien S, **Chehelcheraghi F**.
12. Effect of fluoxetine treatment on neurotoxicity induced by lysolecithin in male rats. *Canadian Journal of Physiology and Pharmacology*. 2021;100(2):107-16. Gholami E, Gholami MR, Tavakoli A, Ahmadi M, Rezaian J, Alipour M, **Chehelcheraghi F**, Khaksarian M.
13. Aerobic Exercise-Assisted Cardiac Regeneration by Inhibiting Tryptase Release in Mast Cells after Myocardial Infarction. *BioMed Research International*. 2021;2021(1):5521564. Bayat M, Chien S, **Chehelcheraghi F**.
14. Synergetic effects of Chick Embryo Extract and Gold Nanoparticles for Matching Skin Flap Regeneration. *Nanomed Res J*. 2021 Apr 4. **Chehelcheraghi F**.
15. Preparation and characterization of loaded paraquat-polymeric chitosan/xantan/tripolyphosphate nanocapsules and evaluation for controlled release. *Journal of Environmental Health Science and Engineering*. 2020 Dec;18:1057-66. Ghaderpoori M, Jafari A, Nazari E, Rashidipour M, Nazari A, **Chehelcheraghi F**, Kamarehie B, Rezaee R.
16. 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 Jun 28;256:112801. Keshvari M, Rahmati M, Mirnasouri R, **Chehelcheraghi F**.
17. Effect of mesenchymal stem cells and chicken embryo extract on flap viability and mast cells in rat skin flaps. *Journal of Investigative Surgery*. 2020 Feb 7;33(2):123-33. **Chehelcheraghi F**, Bayat M, Chien S.
18. Using Apelin and exercise to protect the cardiac cells: synergic effect in ischemia reperfusion injuries treatment in rats. *Bratislavske Lekarske Listy*. 2020 Jan 1;121(1):14-21. Nazari A, **Chehelcheraghi F**.
19. Mesenchymal stem cells improve survival in ischemic diabetic random skin flap via increased angiogenesis and VEGF expression. *Journal of cellular biochemistry*. 2019 Oct;120(10):17491-9. **Chehelcheraghi F**, Chien S, Bayat M.
20. The effect of bone marrow derived mesenchymal stem cells on the survival of random skin flap on streptozotocin-induced diabetic rats. *J Adv Med Biomed Res*. 2018 Nov 1;26(119):24-33. Rezazadeh K, **Chehelcheraghi F**, Anbari K.

21. Histological Evaluation of Different Types of Mastocytes in the Skin Flap Using Bone Marrow Mesenchymal Stem Cells Through Biological Growth Factor. Journal of Babol University of Medical Sciences. 2018 Mar 10;20(3):21-8. **Chehelcheraghi F**, Anbari K.
22. Effects of acellular amniotic membrane matrix and bone marrow-derived mesenchymal stem cells in improving random skin flap survival in rats. Iranian Red Crescent Medical Journal. 2016 Jun 1;18(6):e25588. **Chehelcheraghi F**, Eimani H, Homayoonsadraie S, Torkaman G, Amini A, Majd HA, Shemshadi H.
23. Skin mast cell promotion in random skin flaps in rats using bone marrow mesenchymal stem cells and amniotic membrane. Iranian biomedical journal. 2018 Sep;22(5):322. **Chehelcheraghi F**, Abbaszadeh A, Tavafi M.
24. Improved viability of random pattern skin flaps with the use of bone marrow mesenchymal-derived stem cells and chicken embryo extract. Iranian journal of basic medical sciences. 2015 Aug;18(8):764. **Chehelcheraghi F**, Eimani H, Sadraie SH, Torkaman G, Amini A, Shemshadi H, Majd HA.
25. The effect of 30-day pretreatment with pentoxifylline on the survival of a random skin flap in the rat: an ultrastructural and biomechanical evaluation. Med Sci Monit. 2006 Jun;12(6):BR201-7. Epub 2006 May 29. PMID: 16733477. Bayat M, **Chelcheraghi F**, Piryaee A, Rakhshan M, Mohseniefar Z, Rezaie F, Bayat M, Shemshadi H, Sadeghi Y.

Honors and Grants

- Top professor at Lorestan University of Medical Sciences in the academic years of 2023 and 2022
- Top researcher at Lorestan University of Medical Sciences in the academic years of 2023 and 2022