



CURRICULUM VITAE



Personal Background:

Name: Elham Shiri

Date of Birth: 1993

Nationality: Iranian

Marital Status: Married

Address: Department of Anatomy. Faculty of Medicine. Hamadan University of Medical Sciences (HUMS). Hamadan, Iran.

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Current Position:

Assistant Professor of Anatomical Sciences

Education:

- ❖ Ph.D., in Anatomical Sciences, (2017-2020), Faculty of Medicine, Tehran University of Medical Science, Tehran, Iran
- ❖ M.Sc, in Anatomical Sciences, (2015-2017), Faculty of Medicine, Tehran University of Medical Science, Tehran, Iran
- ❖ B.Sc, in Orthotic And Prosthetic , (2011-2015), Faculty of Rehabilitation, iran University of Medical Science, Tehran, Iran

Activity & Teaching:

- ❖ Gross Anatomy (Head & Neck, Trunk & osteology) for Under Graduate Students
- ❖ Anatomy
- ❖ neuroanatomy
- ❖ Histology and microanatomy
- ❖ Cell culture
- ❖ Stem cell
- ❖ Special senses system, endocrine gland and nervous system for medical student

• **Publication:**

A. Papers

1. Largani SHH, Borhani-Haghighi M, Pasbakhsh P, Mahabadi VP, Nekoonam S, **Shiri E**, et al. Oligoprotective effect of metformin through the AMPK-dependent on restoration of mitochondrial hemostasis in the cuprizone-induced multiple sclerosis model. *Journal of molecular histology*. 2019;50(3):263-71.
2. **Shiri E**, Abolhassani F, Khosravizadeh Z, Najafi A, Khanezad M, Vazirian M, et al. Aqueous *Origanum Vulgare* Extract Improves the Quality of Cryopreserved Human Spermatozoa Through Its Antioxidant Effects. *Biopreservation and Biobanking*. 2020;18(4):329-36.
3. **Shiri E**, Pasbakhsh P, Borhani- Haghighi M, Alizadeh Z, Nekoonam S, Mojaverrostami S, et al. Mesenchymal Stem Cells Ameliorate Cuprizone-Induced Demyelination by Targeting Oxidative Stress and Mitochondrial Dysfunction. *Cellular and Molecular Neurobiology*. 2020:1-15.
4. Mojaverrostami S, Pasbakhsh P, Madadi S, Nekoonam S, Zarini D, Noori L, **Shiri E**, et al.. Calorie restriction promotes remyelination in a Cuprizone-Induced demyelination mouse model of multiple sclerosis. *Metabolic Brain Disease*. 2020;35(7):1211-24.
5. **Shiri E**, Madadi S. An abnormal course of the interazygos vein: a case report. *Journal of Medical Case Reports*. 2020;14(1):1-3.
6. Khanezad M, Nourashrafeddin SM, Abolhassani F, Kazemzadeh S, Madadi S, **Shiri E**, et al. MicroRNA-30a-5p promotes differentiation in neonatal mouse spermatogonial stem cells (SSCs). *Reproductive Biology and Endocrinology*. 2021;19(1):1-14.
7. Madadi S, **Shiri E**, Pasbakhsh P, Tahmasebi F, Kazemzadeh S, Zibara K, Kashani IR. Combination Therapy of Mesenchymal Stem Cell Transplantation and Astrocyte Ablation Improve Remyelination in a Cuprizone-Induced Demyelination Mouse Model. *Molecular Neurobiology*. 2022 Dec;59(12):7278-92.
8. Khosravizadeh Z, Khodamoradi K, Rashidi Z, Jahromi M, **Shiri E**, Salehi E, Talebi A. Sperm cryopreservation and DNA methylation: possible implications for ART success and the health of offspring. *Journal of assisted reproduction and genetics*. 2022 Aug;39(8):1815-24.
9. Mehri F, Alafchi B, **Shiri E**, Afzali S. Promotion of Possible Protective Methods for Farmers During Exposure to Pesticides (Diazinon): A Policy Summary. *Avicenna Journal of Pharmaceutical Research*. 2023 Sep 1;3(2):98-100.
10. Mehri F, Ranjbar A, Amirsadeghi S, Esfahani M, **Shiri E**. Improving the Health Level of Farmers During the Use of Pesticides: Policy Brief. *Avicenna Journal of Pharmaceutical Research*. 2022 Jun 30;3(1):55-6.
- 11.

B. Books

- ❖ Translation of Snell's Clinical Anatomy by Regions (head and neck), 10th ed, 2019

Presentation:

B. Posters

- ❖ Mitochondrial Dysfunction And Oxidative Stress In Epilepsy. **The 6th International Epilepsy Symposium. 2018. Tehran. Iran**
 - ●
- ❖ Temporal Lobe Epilepsy And Mitochondrial Dysfunction. **The 6th International Epilepsy Symposium. 2018. Tehran. Iran**
 - ●
- ❖ Mitochondria As A Target For Drug Therapy In Epilepsy. **The 6th International Epilepsy Symposium. 2018. Tehran. Iran**
 - ●
- ❖ Astrocyte Dysfunction In Epilepsy. **The 6th International Epilepsy Symposium. 2018. Tehran. Iran**
 - ●
- ❖ Sperm cryopreservation and DNA methylation: possible implications for ART success and the health of offspring. **The 22nd international congress of Iranian society for reproductive medicine. shiraz Iran**
- ❖ اختلاف آناتومی در سیستم وریدی آزیگوس در یک جسد تشریح شده: یک گزارش مورد

Awards and Honors:

- ❖ Rank 1 in the Master of Anatomical Sciences exam(2015)
- ❖ second grade student in B.Sc(2015)
- ❖ Receiving the National Elite Foundation Scholarship Award(2017)
- ❖ Selected as the top educational student in Ibn Sina Student Festival (2019)
- ❖ First grade student in PhD(2020)
- ❖ Membership in the Talent Office since (2013)

Research Techniques:

- ❖ Microanatomy Techniques (Tissue preparation, H&E, Masson Trichrome (MTC), , Image G)
- ❖ Cell culture
- ❖ PCR &real- time RT-PCR Techniques

- ❖ Immunofluorescent
- ❖ Tissue processing for light microscopy
- ❖ Stem cell and therapy in Alzheimer, multiple sclerosis