

Curriculum Vitae

1. PERSONAL INFORMATION



Surname: Karimi
First name: Fatemeh
Date of birth: 6/5/1985
Place of birth: Shiraz
Nationality: Iranian
Status: Single

Degree: Ph.D. in Anatomical Sciences

Assistant Professor, Department of Anatomy, Medical school, Shiraz University of Medical Sciences, Shiraz Iran

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2. ACADEMIC HISTORY:

- (2017) Ph.D. in Anatomical Sciences, Shiraz University of Medical Science

Thesis Title:

Behavioral and histological assessment of the rats' hippocampus and medial prefrontal cortex after exposure to sleep deprivation and possible protective role of curcumin

- (2012) M. Sc. in Anatomical Sciences, Shiraz University of Medical Science

Thesis Title:

Effect of L- carnitine & Pentoxifylline on Lactate Dehydrogenase – C enzyme activity & membrane glycoconjugates of mature mice testicular sperm

- (2008) B.Sc. in Midwifery, Shiraz University of Medical Science

3. HONORS and AWARDS:

- Distinguished Student in B.Sc. Course
- Fourth Rank in M. Sc. Examination of Anatomical Science in Iran
- First Rank Student in M.Sc. Course
- Fourth Rank in Ph.D. Examination of Anatomical Science in Iran
- First Rank Student in Ph.D. Course

4. FACULTY APPOINTMENT:

- Head of international medical students of Anatomy Department, Medical School University of Medical Sciences, Shiraz, Iran

5. MEMBERSHIP:

- A member of anatomical sciences society in Iran
- Histomorphometry and Stereology Research Center, Shiraz University of Medical Sciences, Shiraz, Iran

6. PUBLICATIONS:

1. F Dehghani, SF Hosseini, R Jalli, **F Karimi**, N Sotoudeh, MS Masoudi. Pre-and Post-Operative Volume Estimation in Patients with Medulloblastoma Tumor Using Magnetic Resonance Imaging: A Stereological Study. Iranian Journal of Radiology,2020
2. **F Karimi**, A Rafati, A Noorafshan, L Hosseini, S Karbalay-Doust. Sinoatrial node remodels in chronic sleep-restricted rats. Chronobiology international 36 (4), 510-516, 2019.
3. S Bahmanpour, **F Karimi**, A Soleimani, M Kamali, MR Namavar. The influence of interferon- γ on cardiac and renal histopathological changes induced by carbamazepine. Bratislavske lekarske listy 119 (10), 613, 2018.
4. A Noorafshan, M Hashemi, S Karbalay-Doust, **F Karimi**. High dose Allura Red, rather than the ADI dose, induces structural and behavioral changes in the medial prefrontal cortex of rats and taurine can protect it. Acta Histochemica 120 (6), 586-594, 2018.
5. **Fatemeh Karimi**, Ali-Mohammad Kamali, Ali Noorafshan, Saied Karbalay-Doust, Mohammad Nami. Motor Control in Chronically Sleep-Restricted Rats: A Behaviora Approach. Sleep and Vigilance, 23 January 2018.
6. Ali Noorafshan, **Fatemeh Karimi**, Ali-Mohammad Kamali, Saied Karbalay-Dousta,Mohammad Nami. Could curcumin protect the dendritic trees of the CA1 neurons from shortening and shedding induced by chronic sleep restriction in rats? Life Sciences 198 (2018) 65–70.
7. Ali-Mohammad Kamali, **Fatemeh Karimi**, Saied Karbalay-Doust Mohammad Nami, Ali Noorafshan. The impact of chronic sleep restriction on neuronal number and volumetric correlates of the dorsal respiratory nuclei in a rat model. OXFORD ACADEMIC SLEEP JOURNAL, Vol. 40, No. 8, 2017.
8. Ali Noorafshan, **Fatemeh Karimi**, Saied Karbalay-Doust, Ali Mohammad Kamali. Using curcumin to prevent structural and behavioral changes of medial prefrontal cortex induced by sleep deprivation in rats. EXCLI Journal 2017; 16:510-520.
9. Roozbehi A, Sharafi MT, **Karimi F**, Kamali AM. The impact of using different dose of progesterone on memory performance. Bratisl Med J 2017; 118 (7).
10. Ali Noorafshan, **Fatemeh Karimi**, Ali-Mohammad Kamali, Saied Karbalay-Dousta,Mohammad Nami. Restorative effects of curcumin on sleep-deprivation induced memorynimpairments and structural changes of the hippocampus in a rat model. Life Sciences 189 (2017) 63–70.

11. Ali Mohammad Kamali, Ali Noorafshan, **Fatemeh Karimi**, Saied Karbalay-Doust. Methodological Aspects of REM Sleep- Deprivation and Stereological Protocols in the Brain-Stem Respiratory Nuclei. JAMSAT, 2016; 2(3).
12. Noorafshan A, Karbalay-Doust S, **Karimi F**. Diosmin Reduces Calcium Oxalate Deposition and Tissue Degeneration in Nephrolithiasis in Rats: A Stereological Study. Korean Journal of Urology, 2013.
13. Aliabadi E, **Karimi F**, Talaei T. Effects of L-Carnitine and Pentoxifylline on Carbohydrate Distribution of Mouse Testicular Sperm Membrane. IJMS, Vol 38, No 2, June 2013.
14. Aliabadi E, **Karimi F**, Rasti M, Akmal M, Esmailpour T. Effects of L-carnitine and Pentoxifylline on the Activity of Lactate Dehydrogenase C4 isozyme and Motility of Testicular Spermatozoain Mice. J Reprod Infertil, 2013; 14(2):56-61.

7. TEACHING EXPERIENCE:

1. Teaching Anatomy of the Limbs, Trunk, Head, Neck and Nervous System for Medical and Dental Students, in Medical School of Shiraz University of Medical Sciences
2. Teaching Anatomy of the Limbs, Trunk, Head, Neck and Nervous System for Medical Students, in international branch of Shiraz University of Medical Sciences
3. Teaching Anatomy of the Limbs, Trunk, Head, Neck and Nervous System for International Medical Students, in Medical School of Shiraz University of Medical Sciences
4. Teaching cardiovascular system for International Medical Students, in Medical School of Shiraz University of Medical Sciences
5. Teaching Respiratory system for International Medical Students, in Medical School of Shiraz University of Medical Sciences
6. Teaching Anatomical sciences for dental students, in international branch of Shiraz University of Medical Sciences
7. Teaching Anatomy of the upper and lower limbs for physiotherapy and occupational therapy students, in Rehabilitation Sciences School of Shiraz University of Medical Sciences, Shiraz, Iran.
8. Teaching Surface Anatomy for physiotherapy and occupational therapy students, in Rehabilitation Sciences School of Shiraz University of Medical Sciences, Shiraz, Iran
9. Teaching Anatomy of pelvis for Midwifery Students, in Nursing and Midwifery School of Shiraz University of Medical Sciences
10. Teaching General Anatomy for Pharmacy Students, in Pharmacy School of Shiraz University of Medical Sciences
11. Teaching General Anatomy for Pharmacy Students, in international branch of Shiraz University of Medical Sciences

12. Teaching General Anatomy for Midwifery, Nursing, Anesthesia and Operating Room Students, in Nursing and Midwifery School of Shiraz University of Medical Sciences
13. Teaching General Anatomy for health information technology Students, in management and medical informatics school of Shiraz University of Medical Sciences
14. Teaching General Anatomy for Speech Therapy Students, in Rehabilitation Sciences School of Shiraz University of Medical Sciences, Shiraz, Iran.
15. Teaching General Anatomy for Nursing Students, in Kazerun Islamic Azad University
16. Teaching General Anatomy for Nutrition Students, in Sarvestan Islamic Azad University
17. Teaching Histology for pharmacy students, in Pharmacy School of Shiraz University of Medical Sciences
18. Teaching Histology for pharmacy students, in international branch of Shiraz University of Medical Sciences
19. Teaching Histology lab for medical and dental students, in Medical School of Shiraz University of Medical Sciences
20. Teaching Histology lab for medical and dental students, in international branch of Shiraz University of Medical Sciences
21. Teaching Histology lab for International Medical Students, in Medical School of Shiraz University of Medical Sciences
22. Teaching Histology for Midwifery Students, in Nursing and Midwifery School of Shiraz University of Medical Sciences
23. Teaching Histology for laboratory sciences Students, in paramedical School of Shiraz University of Medical Sciences
24. Teaching Embryology for Midwifery Students, in Nursing and Midwifery School of Shiraz University of Medical Sciences
25. Teaching Histology and Embryology for dental Students, in Shiraz Islamic Azad University

8. RESEARCH PROJECTS:

- Stereology (Nervous System)
- 3D Reconstruction of Histological Images
- Sleep Disorders
- Reproductive Biology

9. PRESENTATIONS:

Oral:

- Elham Aliabadi, **Fatemeh Karimi**, Tahereh Talaei-Khozani. Effects of L-Carnitine and Pentoxifylline on Carbohydrate Distribution of Mouse Testicular Sperm Membrane. 1st National Congress of Quantitative Microscopy. 2014, Shiraz, Iran.

Posters:

- Aliabadi E, kargar_Abarghooei E, Dehghani F, **Karimi F**. The stereological study of the effect of pentoxifylline on the Cryopreservation of mouse ovaries. 1st National Congress of Quantitative Microscopy. 2014, Shiraz, Iran.
- **Karimi F**, Ali Noorafshan, Ali mohammad kamali, Saied Karbalay-Doust, Mohammad Torabi Nami. Effect of REM sleep deprivation on hippocampal formation of rat: a Stereological study. 2nd National Congress of Quantitative Microscopy. 2014, Shiraz, Iran.
- Ali mohammad kamali, **Karimi F**, Ali Noorafshan, Saied Karbalay-Doust, Mohammad Torabi Nami. Effect of REM sleep deprivation on nucleus tractus solitaries of rat: a Stereological study. 2nd National Congress of Quantitative Microscopy. 2014, Shiraz, Iran.
- Aliabadi E, **Karimi F**, Rasti M, Akmal M, Esmaeilpour T. Effects of L-carnitine and Pentoxifylline on the Activity of Lactate Dehydrogenase C4 isozyme and Motility of Testicular Spermatozoa in Mice. The 11th Iranian Congress of Anatomical Sciences. 2014, Ahvaz, Iran.
- **Fatemeh Karimi**, Ali Noorafshan, Saied Karbalay-Doust. Diosmin Reduces Calcium Oxalate Deposition and Tissue Degeneration in Nephrolithiasis in Rats: A Stereological Study. 1st National Congress of Quantitative Microscopy. 2014, Shiraz, Iran.
- Maryam kavyani, **Fatemeh Karimi**, zeinabislami nasab, somieh samii. Health problems during pre-menopause and menopause. 1th international student congress on medical research & 8th annual research congress of medical sciences students, May 2007, Shiraz, Iran
- **Fatemeh Karimi**, Maryam kavyani, azar nematolahi, Zahra yazdanpanahi. The metabolic syndrome in children and its association with maternal obesity before pregnancy and birth weight. 7th national seminar on obesity and related disorders, 2006, Shiraz, Iran

10. WORKSHOPS:

- Presentation of workshop “**Three-dimensional reconstruction of brain structures**” for medical students, postgraduate and academic members.