

Curriculum Vitae

First name: Auob

Sure name: Rustamzadeh

Correspondence: Department of Anatomical Sciences, School of Medicine, Qazvin University of Medical Sciences, Bahnor Highway, Qazvin, IRAN.

E-mail: auob2020rustamzade@gmail.com

Academic IDs:

1) SCOPUS: 56082986100
2) ORCID: 0000-0002-8246-5631
3) Google scholar profile: https://scholar.google.com/citations?user=pN2MsJsAAAAJ&hl=en

Educational Background

1. **Ph.D.** in Anatomical Sciences (Neuroimaging branch), Iran University of Medical Sciences, Tehran, IRAN, 2023. (GPA from 20: 18.83).

Title of Thesis: Clinical trial of the effect of Silymarin® on imaging and blood biomarkers in Alzheimer's patients with dyslipidemia. (Date of the defence: 2023-09-20)

2. **M.Sc.** in Anatomical Sciences, Kurdistan University of Medical Sciences, Sanandaj, IRAN, 2014. (GPA from 20: 17.99)

Title of Thesis: Role of MRI in cellular imaging of the embryo and affects its waves on sperm fertilization and embryo development in mice. (Date of the defence: 2015-02-02)

3. **B.Sc.** in Diagnostic Radiology, Kermanshah (Shiraz) University of Medical Sciences, Kermanshah, IRAN, 2012. (GPA from 20: 15.99)

Experiences:

1- July 2015–August 2018, Faculty Member of Medical College, Shahrekord University of Medical Sciences, Shahrekord, Iran.

2- September 2012- July 2014, as an Educational Instructor in Radiology and Medical Images Interpretation course: Dept. of Radiology, School of Paramedicine, Kurdistan University of Medical Sciences, Sanandaj, Iran.

3- March 2021- now, Adviser to the Development Center on Intellectual Property and Patents, Sabzevar university of medical sciences, Sabzevar, Razavi Khorasan, Iran.

4- Member of the Executive Committee of the Second Anatomical Science Education Festival (Shahid Beheshti University of Medical Sciences, Tehran: 2024-2-28).

5- Member of the Scientific Committee of the 12th Congress of Basic and Clinical Neurosciences (Iran University of Medical Sciences, Tehran: : 2023-12-27)

Teaching Experience:

1- Medical Images Interpretation (for B.Sc. Radiology students)

2- Neuroanatomy (for G.P. Dentistry, B.Sc. Radiology, and G.P. Medical students)

3- Head&Neck (for B.Sc. Radiology and G.P. Medical students)

4- Radiology Techniques (for B.Sc. Radiology students)

5- Sectional anatomy (for B.Sc. Radiology students)

6- Limbs anatomy (for G.P. Medical and B.Sc. Radiology students)

7- Trunk anatomy (for B.Sc. Radiology and G.P. Medical students)

8- General Anatomy (for B.Sc. Nursing, Laboratory Science, Public Health, operating room, and Anesthesiology students)

9- General embryology (for B.Sc. Midwifery students)

10- Histology and Embryology (for G.P. Medical students and Laboratory Science)

Scientific Society Membership:

1- Reviewer of Journal of Zahedan University of Medical Sciences in 2013.
2- Reviewer of Journal of Ilam University of Medical Sciences in 2014.
3- Member of Iranian Radiographic Sciences Association (IRSA) from 2012 to now.
4- Member of Iranian Neuroscience Society (INNS) from 2016 to now
5- Reviewer of the Phytotherapy research journal in 2019.
6- Reviewer of International Journal of Epidemiologic Research in 2019.
7- Reviewer of Life Sciences Journal in 2020 and 2022.
8- Reviewer of Scientific Reports Journal in 2022.
9- Reviewer of Journal of Spinal Cord Medicine in 2022.
10- Reviewer of Acta Neurologica Belgica (ANB) Journal in 2023.
11- Reviewer of Brain Research Journal in 2023.

Research projects

1. Study of the main causes and its related treatment in patients with vertebral column trauma in Ayatollah Kashani Hospital during 2017-2018.
2. Study of metabolite changes of basal ganglia as theranostic biomarkers in epileptic patients in comparison with healthy subjects using by magnetic resonance spectroscopy.
3. Design and development of educational software for cross-sectional anatomy of the brain and skull.
4. Design and development of educational software for practical general histology.
5. Effects of olive leaf extract and melatonin on sperm parameters, sexual hormones and testis histopathology in mice exposed with cyclophosphamide.
6. Effects of retinoic acid and fibroblast growth factor-2 on ovarian histology and in vitro fertility of mouse ovarian polycystic syndrome model.
7. Effects of the retinoic acid and fibroblast growth factor-2 on sexual hormones and apoptosis in mice model with polycystic ovary syndrome.
8. The study and comparison of preventive effects of melatonin and Silymarin on gamma radiation induced changes on the testis histomorphometry and sperm parameters in the mice.

9. Effects of Urtica dioica and retinoic acid on ovary histology and in vitro fertilization rate of the oocyte in NMRI mice.
10. Effects of Silymarin on in vitro fertility rate and number, motility, morphology, and viability of sperm in mice exposed with nicotine.
11. Evaluation of radiofrequency radiation of cell phone on In vitro fertility of NMRI mice and its cell line structure.
12. Evaluation of effects of Licorice hydroalcoholic extract and Glycyrrhizic Acid on sexual hormones, MDA and testis histopathology in male NMRI mice exposed with cyclophosphamide; MUMS: 2021-06-16.
13. Protective effects of zinc and Silymarin on changes induced by gamma radiation on testicular histomorphometry and sperm parameters in mice; MEDSAB: 2021-07-06.
14. Evaluation of the relationship between clinical symptoms and blood parameters (D-dimer and CRP) with typical findings of computed tomography and scoring the extent of lung involvement in patients hospitalized in Covid 19; IUMS: 2021-06-30.
15. Evaluation of the protective effect of caffeine on tramadol in the cerebellum of adult male rats; MEDSAB: 2021-04-27.
16. The effect of dyslipidemia on the expression level of miRs and oxidative stress enzymes in patients with mild Alzheimer's disease; QUMS: 2022-02-28.
17. Comparison of metabolites of eye-movement control areas with cerebral cortex motor areas in ALS patients using MRS imaging; QUMS: 2022-02-28.
18. Evaluation of Structural and Metabolic Changes in Interstitial Nucleus of Cajal and Primary Motor Area of Cortex in Patients with Amyotrophic Lateral Sclerosis using Morphometry and Magnetic Resonance Spectroscopy; ZUMS: 2022-05-29.
19. The effect of Rosuvastatin on blood markers and imaging metabolites in Alzheimer's patients with dyslipidemia; IUMS: 2022-08-16.
20. Investigating the effects of Silymarin and rosuvastatin on tau protein levels, expression of miR-124-3p, miR-125b, and inflammatory factors TGF-beta, COX-2 in Alzheimer's patients with secondary dyslipidemia; IUMS: 2022-11-13.
21. Investigation of biological and synthetic compounds for the prevention and management of sleep disorders, memory problems, and executive function of Alzheimer's disease using bioinformatics calculations Kerman University of Medical Sciences; 2023-02-17.

Awards

1- Ranked first in Ph.D. national entrance examination in Anatomical Sciences. September 2018.

2- Ranked third in the national conference on the development of medical education; Ministry of Health and Medical Education. May 2017.

3- Invention entitled “two-kneel standing/walking device for children with cerebral palsy” (patent number: 139550140003015133 and registration number: 93785) in the State Property and Documents Organization. March 2016.

4- Author of the annual selected book in the field of Neuroembryology announced by the National Center for Strategic Research in Medical Education. November 2019.

5- Selected research grant for young assistant professors of the Deputy of Research of the Ministry of Health. January 2019.

6- Winner of the Best Student Award from the Iran's National Elites Foundation. December 2020.

7- Ranked first in the field of "design and construction of medical educational products" at Sabzevar University of Medical Sciences in 2021.

8- Invention entitled “Formulation and production of Nettle ointment with biological silk fibroin scaffold for wound healing” (patent number: 140050140003007098 and registration number: 106362) in the State Property and Documents Organization. June 2021.

9- Revising the neural pathway related to Autonomic swapping called Abell's Autonomic Feedback in Horner's syndrome and parasympathetic reflexes. Horner's syndrome was named by the Swiss ophthalmologist Johann Friedrich Horner in 1869, and after 153 years its neural signaling was revised; The mentioned theory has been accepted in the Current Journal of Neurology; 2023, forthcoming.

10- Ranked second in the national conference on the development of medical education; Ministry of Health and Medical Education. May 2024.

Published Book:

Book Number	Book title	Authors	Year	Publisher
1	General embryology with molecular & clinical oriented	Rezaie MJ, Rustamzadeh A, Rezazadeh Velojerdi M.	2013	Noor-e-Danesh, Tehran, Iran.
2	Cellular and molecular imaging with a cell therapy approach	Rustamzadeh A, Fatehi D, Ahmadi R, Naleini F, et al.	2014	Haydari, Tehran, Iran.
	MRI from Physics to Diagnosis	Rustamzadeh A, Shabani A, et al.	2014	Noor Danesh, Tehran.
3	Systematic embryology with molecular & clinical Oriented	Rezaie MJ, Rustamzadeh A, Anjomshoa M, Mohammadi Bolbanabad H, Allahveisi A.	2015	Emarat Danesh, Tehran, Iran.
5	Basic and clinical principles of magnetic resonance imaging physics	Masoumi H, Rustamzadeh A, Shabani A, Ahadi R.	2017	Enbe Sina, Tehran, Iran.
6	Learning of cross-sectional anatomy using medical imaging modalities	Rustamzadeh A, Sarmast Alizadeh N, Zamani S, Moazzami B, Ahadi R, Honarbakhsh I.	2018	Haydari, Tehran, Iran.
7	General anatomy for medical students.	Rustamzadeh A, Raoofi A, et al.	2020	Haydari, Tehran, Iran.
8	Iran`s Advanced Neuroanatomy with Clinical Perspective	Rustamzadeh A, Darabi SH, Tabibokhoei AR, Moradi F, Afshari D, Raoofi A, Ahadi R.	2021	Narvan Danesh, Tehran, Iran.
9	Human Anatomical Growth and Development: Transition from Fetal Period to Neonatal Life	Joghtaei MT, Bakhtiari M, Rustamzadeh A, et al.	2021	Narvan Danesh, Tehran, Iran.
10	Advanced neuroimaging by DWI and DTI; from basic to clinical practice	Shabani A, Rustamzadeh A, Moradi F, et al.	2022	Narvan Danesh, Tehran, Iran.
11	Application of learning technologies in the teaching of anatomical sciences	Hassanzadeh Gholamreza, Joghataei Mohammad Taghi, Rustamzadeh Auob et al.	2024	EbneSina Press, Tehran, Iran.

Full papers published

1. Mohammadi H, Ariaei A, Ghobadi Z, Gorgich EA, **Rustamzadeh** A. Which neuroimaging and fluid biomarkers method is better in theranostic of Alzheimer's disease? An umbrella review. IBRO Neuroscience Reports. 2024 Feb 29.

2. Darabi S, Ariaei A, **Rustamzadeh** A, Afshari D, Charkhat Gorgich EA, Darabi L. Cerebrospinal fluid and blood exosomes as biomarkers for amyotrophic lateral sclerosis; a systematic review. Diagnostic Pathology. 2024 Dec;19(1):1-2.

3. **Rustamzadeh** A, Afshari D, Alizadeh-Otaghvar HR, Ahadi R, Raoofi A, Shabani R, Ariaei A, Moradi F. Horner syndrome: A new hypothesis for signaling pathway of enophthalmos sign. Current Journal of Neurology. 2023 Jun 13.

4. **Rustamzadeh** A, Sadigh N, Shabani R, Ahadi R, Vahabi Z, Shabani A, Mohebi N, Khamseh F, Behruzi M, Moradi F. Neurochemical Ameliorating of the Hippocampus in Dyslipidemic Alzheimer Patients Following Silymarin; a Double-Blind Placebo-Controlled Randomized Clinical Trial. Medical Journal of the Islamic Republic of Iran. 2023;37.

5. Seidkhani E, Moradi F, **Rustamzadeh** A, Simorgh S, Shirvalilou S, Mehdizadeh M, Dehghani H, Akbarnejad Z, Motevalian M, Gorgich EA. Intranasal delivery of sunitinib: A new therapeutic approach for targeting angiogenesis of glioblastoma. Toxicology and Applied Pharmacology. 2023 Nov 11:116754.

6. Shah-Abadi ME, Ariaei A, Moradi F, **Rustamzadeh A**, Tanha RR, Sadigh N, Marzban M, Heydari M, Ferdousie VT. In Silico Interactions of Natural and Synthetic Compounds with Key Proteins Involved in Alzheimer's Disease: Prospects for Designing New Therapeutics Compound. Neurotoxicity Research. 2023 Apr 22:1-23.

7. Raoofi A, Omraninava M, Javan R, Maghsodi D, **Rustamzadeh** A, Nasiry D, Ghaemi A. Protective effects of epigallocatechin gallate in the mice induced by chronic scrotal hyperthermia. Tissue and Cell. 2023 Jul 13:102165.

8. Ebrahimi Shah-abadi M, Ariaei A, Mohammadi H, Shabani A, Rahmani Tanha R, Tavakolian Ferdousie V, Taheri A, Marzban M, Heydari M, **Rustamzadeh** A. Recent Advances and Future Directions in Imaging of Peripheral Nervous System: A

Comprehensive Review for Therapeutics Approach. Journal of Advances in Medical and Biomedical Research. 2023 Oct 10;31(148):415-31.

9. Marzban M, **Rustamzadeh A**, Asghari A, Terme Y, Amichi AG, Ghanbarzehi V, Holaso AS, Hosseini F, Shahraki M, Sadafi P, Hashemzahi E. Stem cell therapy for cuprizone model of multiple sclerosis focusing on the effectiveness of different injection methods and cell labeling. Acta Histochemica. 2022 Oct 1;124(7):151953.

10. Raoofi A, Delbari A, Nasiry D, Golmohammadi R, sadat Javadinia S, Sadrzadeh R, Mojadadi MS, **Rustamzadeh** A, Khaneghah AM, Ebrahimi V, Rezaie MJ. Caffeine modulates apoptosis, oxidative stress, and inflammation damage induced by tramadol in cerebellum of male rats. Journal of Chemical Neuroanatomy. 2022 Jun 3:102116.

11. Mirzaie J, Nasiry D, Ayna Ö, Raoofi A, Delbari A, **Rustamzadeh A**, Nezhadi A, Pur ZJ. Neuroprotective effects of Lovastatin against traumatic spinal cord injury in rats. Journal of Chemical Neuroanatomy. 2022 Aug 27:102148.

12. **Rustamzadeh** A, Anjomshoa M, Bahreini N, Darabi S, Rezaei MJ, Rezaei S, Rahimi-Madiseh M, Deris F, Zamani S. All-trans retinoic acid and fibroblast growth factor-2 enhance the fertility rate and embryo development in polycystic ovary syndrome mouse model. Iranian Journal of Basic Medical Sciences. 2024 Apr 1;27(4):418-24.

13. Abedi-Firouzjah R, **Rustamzadeh A**, Banaei A, Shafiee M, Moghaddam ZM, Vafapour H. Exploring changes in thalamus metabolites as diagnostic biomarkers in idiopathic generalised epilepsy patients using magnetic resonance spectroscopy. The Malaysian journal of medical sciences: MJMS. 2020 Feb;27(1):78.

14. Keshavarzi M, Sorayayi S, Rezaei MJ, Mohammadi M, Ghaderi A, **Rustamzade A**, et al. MicroRNAs-Based Imaging Techniques in Cancer Diagnosis and Therapy. J Cell Biochem. 2017 Dec;118(12):4121-4128.

15. Javadi A, Nikhbakht MR, Ghasemian Yadegari J, **Rustamzadeh A,** Mohammadi M, Shirazinejad A, Azadbakht S, Abdi Z. In-vivo and in vitro assessments of the radioprotective potential natural and chemical compounds: A review. Int J Radiat Biol. 2022 May 24;1-11.

16. Shabani A, Faeghi F, **Rustamzadeh A**, Jalal-Shokouhi J. The Utility of Diffusion Weighted Magnetic Resonance Imaging in Detection of the Origin of the Brain Solid Metastatic Tumors. *Caspian J Neurol Sci*. 2015;1(3):19-26.

17. Saberi M, Faeghi F, Ghanaati H, Miri M, **Rustamzadeh A**, Khodakarim S et al . Grading of Glioma Tumors by Analysis of Minimum Apparent Diffusion Coefficient and Maximum Relative Cerebral Blood Volume. *Caspian.J.Neurol.Sci*. 2016;2(4):42-53.

18. Dayani MA, Fatehi D, **Rustamzadeh A**. Evaluation the sensitivity of diffusion and perfusion weighted imaging in therapeutic timing of stroke. Research Journal of Pharmacy and Technology. 2017;10(6):1951-6.

19. **Rustamzadeh A**, Shabani A, Ahadi R, Farzizadeh M, Gharib A, Miraki S. Noninvasive Stem Cell Labeling Using USPIO Technique and their Detection with MRI. *Int. J Pediatr*.2014; 2 (2.3): 66-8.

20. Fatehi D, Dayani MA, **Rustamzadeh A**. Role of CT scan in theranostic and management of traumatic spinal cord injury. Saudi Journal of Biological Sciences. 2016;25(4):739-46.

21. Naleini F, Farzizadeh M, Taheri A, **Rustamzadeh A**, Fatehi D. Color doppler indices of proximal and distal parts of middle cerebral artery in fetuses with intrauterine growth restriction. Electronic Physician. 2017;9(5):4378-83.

22. Fatehi D, Mohammadi M, Shekarchi B, Shabani A, Seify M, **Rustamzade A**. Radioprotective effects of Silymarin on the sperm parameters of NMRI mice irradiated with γ-rays. Journal of Photochemistry & Photobiology, B: Biology. 2018; 178:489-95.

23. **Rustamzadeh A**, Anjamrooz SH, Rezaie MJ, Fathi F, Mohammadi M. Biological effects of magnetic resonance imaging on testis histology and seminiferous tubules morphometry. Oman medical journal. 2019 Nov;34(6):544.

24. Otaghvar HA, Rezapour-Nasrabad R, Ebrahimzadeh MA, Yaghoubi M, Khalatbary AR, Nasiry D, Raoofi A, **Rustamzadeh A.** The effects of Feijoa sellowiana fruit extract on wound healing in rats: a stereological and molecular study. Journal of Wound Care. 2022 Aug 1;31(Sup8):S36-44.

25. Alizadeh-Otaghvar HR, Moradi F, Sadigh N, Raoofi A, Darabi S, **Rustamzadeh A**, Ghadimi T, Rezaie MJ, Seidkhani E, Ahadi R, Shabani R. Silk fibroin and Nettle extract promote wound healing in a rat model: A histological and morphometrical study. Acta Histochemica. 2022 Aug 1;124(6):151930.

26. **Rustamzadeh A**, Ahmadi R, Farzizadeh M. Bone marrow mesenchymal stem cell applications in treatment of traumatic brain injury following intraperitoneal Silymarin injection in a rat model. *Trauma Mon*. 2015;20(Special Issue): e28499.

27. Fatehi D, **Rustamzadeh A**. Potential effects of diagnostic irradiation from Computed tomography on reproductive system and general protective strategies. Radiat Prot Dosimetry. 2018;179(2):196-7.

28. **Rustamzade A**, Ghadimi T, Allahveisi A, Ahadi R, Mohammadi M, Rezaei SH, Rezaie MJ. The expression of Bax protein in the early stages of spinal cord injury in the sperm cells in seminiferous tubules of rats. Pol Ann Med. 2018;25(2):196–202.

29. **Rustamzadeh A**, Rezaie MJ, Ahadi R, Farzizadeh M, Rahmani Tanha R, Shabani A, et al. Tracking Bone Marrow Mesenchymal Stem Cells Transplanted to Experimental Rabbit Model with Brain Trauma by MRI. *Int. J Pediatr*.2014; 2 (2.3):34-5.

30. Rahimi-Madiseh M, Mohammadi M, Hassanvand A, Ahmadi R, Shahmohammadi M**, Rustamzadeh A**. Assessment of the toxicity effects of nicotine on sperm and IVF and the potential protective role of silymarin—an experimental study in mice. Middle East Fertility Society Journal. 2020 Dec;25:1-9.

31. Nilforoushzadeh MA, Afzali H, Raoofi A, Nouri M, Naser R, Gholami O, Nasiry D, Mohammadnia A, Razzaghi Z, Alimohammadi A, Naraghi ZS, Peyrovan A, Jahangiri f, Khodaverdi Darian E, **Rustamzadeh** A, Zare S. Topical spray of Wharton's jelly mesenchymal stem cells derived from umbilical cord accelerates diabetic wound healing. J Cosmet Dermatol. 2022 Apr 28. doi: 10.1111/jocd.15022.

32. Nilforoushzadeh MA, Raoofi A, Afzali H, Gholami O, Zare S, Nasiry D, Khodaverdi Darian E, **Rustamzadeh A**, Alavi S, Ahmadi R, Alimohammadi A. Promotion of cutaneous diabetic wound healing by subcutaneous administration of Wharton's jelly mesenchymal stem cells derived from umbilical cord. Archives of Dermatological Research. 2022 Feb 7:1-3.

33. Jalalie L, Rezaee MA, Rezaie MJ, Jalili A, Raoofi A, **Rustamzade A**. Human umbilical cord mesenchymal stem cells improve morphometric and histopathologic changes of cyclophosphamide-injured ovarian follicles in mouse model of premature ovarian failure. Acta Histochemica. 2020 Nov 26;123(1):151658.

34. Moayeri A, **Rustamzadeh A**, Raoofi A, Rezaie MJ, Abasian Z, Ahmadi R. Retinoic acid and fibroblast growth factor-2 play a key role on modulation of sex hormones and apoptosis in a mouse model of polycystic ovary syndrome induced by estradiol valerate. Taiwanese Journal of Obstetrics and Gynecology. 2020 Nov 1;59(6):882-90.

35. **Rustamzade A**, Amini-Khoei H, Korani MJ, Rahimi-Madiseh M. Comparison effects of olive leaf extract and oleuropein compounds on male reproductive function in cyclophosphamide exposed mice. Heliyon. 2020 Apr 1;6(4):e03785.

36. Fatehi D, Anjomshoa M, Mohammadi M, Seify M, **Rustamzadeh A**. Biological effects of cell-phone radiofrequency wave's exposure on fertilization in mice; an in-vivo and in-vitro study. Middle East Fertility Society Journal. 2018;23(2):148-53.

37. Ahmadi M, **Rustamzadeh A**, Fathi F, Mohammadi M, Rezaiea MJ. The effect of Melatonin on histological changes of ovary in induced polycystic ovary syndrome model in mice. Middle East Fertility Society Journal. 2017;22(4):255-9.

38. Abasian Z, **Rustamzadeh** A, Mohammadi M, Hosseini M, Rafieian-Kopaei M. A review on role of medicinal plants in polycystic ovarian syndrome: pathophysiology, neuroendocrine signaling, therapeutic status and future prospects. Middle East Fertility Society Journal. 2018 Dec 1;23(4):255-62.

Presentation in Webinar, Congress and Festival

1) Neuroanatomy and Connectome in neuroimaging and brain mapping (National webinar for neurologist, neurosurgeon and radiologist).
2) Fundamentals of MRI Clinical Physics (National webinar for neurologist, neurosurgeon and radiologist).
3) Basics of MRI perfusion (DCE, DSC and ASL) and diffusion (DWI, DTT and DKI) and its application in neuroimaging (National webinar for neurologist, neurosurgeon and radiologist).
4) Basics of SWI and MR spectroscopy, and image processing softwares in neuroimaging (National webinar for neurologist, neurosurgeon and radiologist).
5) Fundamentals of fMRI and Clinical Applications (National webinar for neurologist, neurosurgeon and radiologist).
6) Neurological diseases and the role of diffusion MRI in its diagnosis (Regional webinar at Mazandaran University of Medical Sciences).

7) Imaging biomarkers in magnetic resonance spectroscopy (MRS) (Regional webinar at Mazandaran University of Medical Sciences).
8) Commercialization of start-up (Regional webinar at Sabzevar University of Medical Sciences).
9) Diffusion imaging in stroke (13th international congress of stroke; 15-17 December 2021).
10) Cell tracking methods and detection of cell transplant pathways with MRS technique (Regional webinar at Qazvin University of Medical Sciences).
11) Archeological anthropology, Paleopathology and interpretation of paleoradiologic findings (National webinar for Research Institute of Cultural Heritage).
12) Prevalence of spinal cord injury: role of imaging in theranostic (8th Iranian Epidemiology Congress and the 1st International Congress of Clinical Epidemiology; 2016 April 27-29; Ilam university of medical sciences, Iran).
13) Non-invasive Stem Cell Labeling using USPIO technique and their tracking with MRI (The 2nd International Stem Cell and Regenerative Medicine Congress).
14) Relationship between physical characters and position of Conus Medullaris in adult patients referring to Shahid Chamran MRI center in Sanandaj (The 3rd Basic and Clinical Neuroscience Congress)
15) Correlation between demographic characteristics, Spinal Impairment Scale and interventional strategies in clinical outcome of spinal cord injury patients (The 8th Basic and Clinical Neuroscience Congress).

شماره	عنوان مقاله	نام همایش	دانشگاهی/ملی/ بین المللی
۱	بررسی یافته‌های دموگرافیک در بیماران مبتلا به کمردرد مزمن مراجعه کننده به بخش MRI	ششمین کنگره سالیانه انجمن روماتولوژی ایران (۲۶ مهر ۱۳۹۱- دانشگاه علوم پزشکی شهید بهشتی، تهران)	ملی
۲	مقایسه تاثیر روش های تدریس بر رضایت، اضطراب و یادگیری دانشجویان رادیولوژی	دومین سمینار سراسری توسعه آموزش علوم پزشکی (۱۰ آبان ۱۳۹۱- دانشگاه علوم پزشکی کردستان، سنندج)	ملی
۳	magnetic nanoparticles for drug delivery in central nervous system	کنگره کشوری فناوری نانو در علوم پزشکی (۲ خرداد ۱۳۹۳- دانشگاه چمران، سمنان)	ملی
۴	Relationship between physical characters and position of Conus Medullaris in adult patients referring to Shahid Chamran MRI center in Sanandaj	سومین کنگره علوم اعصاب پایه و بالینی (۷ آبان ۱۳۹۳- دانشگاه علوم پزشکی ایران، تهران) پوستر	ملی
۵	Effects of cell phone radiation on migration of granule cells in rat cerebellum	سومین کنگره علوم اعصاب پایه و بالینی (۸ آبان ۱۳۹۳- دانشگاه علوم پزشکی ایران، تهران) سخنرانی	ملی
۶	Bone marrow mesenchymal stem cells	اولین کنگره ملی تروما (۲۴ دی	ملی

	applications in treatment of traumatic brain injury following intraperitoneal Silymarin injection in a Rat model	۱۳۹۳- دانشگاه علوم پزشکی بقیه الله، تهران)	
۷	Neuroimaging biomarkers in traumatic brain injury	سی و یکمین کنگره رادیولوژی ایران (۱۵ اردیبهشت ۱۳۹۴- مرکز همایش های برج میلاد، تهران)	بین المللی
۸	Therapeutic Role of Silymarin on Male Reproductive System Changes Induced by Alcohol in Mouse Model	نهمین کنگره بین المللی دانش اعتیاد با رویکرد سلامت خانواده (۲۰ شهریور ۱۳۹۴- دانشگاه علوم پزشکی ایران، تهران)	بین المللی
۹	Applications of diffusion tensor imaging (DTI) in multiple sclerosis	دوازدهمین کنگره بین المللی ام اس ایران- ۲۱ آبان ۱۳۹۴- دانشگاه علوم پزشکی مازندران، ساری)	بین المللی
۱۰	Prevalence of spinal cord injury: role of imaging in theranostic	هشتمین کنگره اپیدمیولوژی ایران و اولین کنگره بین المللی اپیدمیولوژی بالینی (۸ اردیبهشت ۱۳۹۵- دانشگاه علوم پزشکی ایلام، ایلام)	بین المللی
۱۱	The expression of Bax protein in the early stages of spinal cord injury in the sperm cells in seminiferous tubules of mature rats	پنجمین کنگره علوم اعصاب پایه و بالینی (۱۸ آذر ۱۳۹۵- دانشگاه علوم پزشکی ایران، تهران)	ملی
۱۲	Effects of Human Embryonic Stem Cell on Cell Cycle in HL60 Cells in Vitro	دومین جشنواره ملی و کنگره بین المللی سلول های بنیادی و پزشکی بازساختی (۲۴ تیر ۱۳۹۶- سالن اجلاس سران، تهران)	بین المللی
۱۳	Protective effects of Silymarin on nicotine induced alterations in the sperm parameters of NMRI mouse	یازدهمین کنگره بین المللی دانش اعتیاد (۲۲ شهریور ۱۳۹۶- دانشگاه علوم پزشکی ایران، تهران)	بین المللی
۱۴	Role of Silymarin as an herbal radioprotector on sperm and in vitro fertilization in mice irradiated with γ-rays	چهارمین کنگره بین المللی کلینیکال انکولوژی (۲۷ آذر ۱۳۹۸- هتل المپیک تهران)	بین المللی
۱۵	Neuroanatomy and Connectome in neuroimaging and brain mapping (National webinar for neurologist, neurosurgeon and radiologist).	وبینار کشوری سامانه آموزش مداوم جامعه پزشکی کشـــور با همکاری دانشگاه علوم پزشکی ایران (خرداد ۱۴۰۰)	ملی
۱۶	Basics of MRI perfusion (DCE, DSC and ASL) and diffusion (DWI, DTT and DKI) and its application in neuroimaging (National webinar for neurologist, neurosurgeon and radiologist)	وبینار کشوری سامانه آموزش مداوم جامعه پزشکی کشـــور با همکاری دانشگاه علوم پزشکی ایران (خرداد ۱۴۰۰)	ملی
۱۷	Basics of SWI and MR spectroscopy, and image	وبینار کشوری سامانه آموزش مداوم	ملی

	processing softwares in neuroimaging (National webinar for neurologist, neurosurgeon and radiologist).	جامعه پزشکی کشـــور با همکاری دانشگاه علوم پزشکی ایران (شهریور ۱۴۰۰)	
۱۸	Fundamentals of fMRI and Clinical Applications (National webinar for neurologist, neurosurgeon and radiologist).	وبینار کشوری سامانه آموزش مداوم جامعه پزشکی کشـــور با همکاری دانشگاه علوم پزشکی ایران (خرداد ۱۴۰۰)	ملی
۱۹	بیماری‌های سیستم عصبی و نقش دیفیوژن MRI در تشخیص	وبینار دانشگاه علوم پزشکی مازندران (آبان ۱۴۰۰)	دانشگاهی
۲۰	بیومارکرهای تصویربرداری و طیف سنجی تشدید مغناطیسی (MRS)	وبینار دانشگاه علوم پزشکی مازندران (آبان ۱۴۰۰)	دانشگاهی
۲۱	اصول دانش بنیان و تجاری سازی شرکت های نوپا	وبینار دانشگاه علوم پزشکی سبزوار (تیر ۱۴۰۰)	دانشگاهی
۲۲	تصویربرداری دیفیوژنی در استروک (انجمن علمی سکته مغزی ایران و بیماری های عروق و نخاع ایران)	سیزدهمین کنگره سکته مغزی ایران (۲۵ آذر ۱۴۰۰- دانشگاه علوم پزشکی همدان)	ملی
۲۳	روش های ردیابی سلول و تشخیص مسیرهای پیوند سلولی با تکنیک MRS	وبینار دانشگاه علوم پزشکی قزوین (فروردین ۱۴۰۱)	دانشگاهی
۲۴	آنتروپولوژی باستان شناسی و تفسیر یافته های رادیولوژیک در باستان شناسی	پژوهشگاه میراث فرهنگی (خرداد ۱۴۰۱- تهران)	ملی
۲۵	In-Silico interactions of some neuroprotective compounds with key proteins involved in memory impairment; the future perspective	یازدهمین کنگره علوم اعصاب پایه و بالینی (بهمن ۱۴۰۱- دانشگاه علوم پزشکی ایران، تهران)	ملی
۲۶	Alzheimer's neuroprotective strategies through decreasing hyperphosphorylated tau; modulation of tauopathy via novel methods	یازدهمین کنگره علوم اعصاب پایه و بالینی (بهمن ۱۴۰۱- دانشگاه علوم پزشکی ایران، تهران)	ملی
۲۷	Towards clinical and therapeutics approaches in Alzheimer’s disease based on neuroimaging, CSF, and blood biomarkers	اولین کنگره بین‌المللی بیومارکرها (۲۰ مهر ۱۴۰۱- دانشگاه علوم پزشکی ارومیه، ارومیه)	بین‌المللی
۲۸	What can bioinformatics tell us about molecular events in the pathophysiology of Alzheimer's disease?	۷th National Interdisciplinary Research Conference in Management and Medical Sciences (۲۹ آذر ۱۴۰۲- دانشگاه تهران)	ملی
۲۹	Which of the laboratory, genetic, or imaging biomarkers is better for a clinical endpoint in a brain tumor? Bioinformatics welcomes you to the smart world	First National Conference on Bioinformatics in Cancer Studies (۳۰ دی ۱۴۰۲- پژوهشگاه آموزش و تحقیقات مهندسی، تهران)	ملی

Skills

1. Clinical brain mapping, connectivity networks, and advanced MRI image reconstruction methods;
2. Proficient in TARQUIN, Freesurfer, and Connectome Workbench neuroimaging softwares as well as Endnote and SPSS softwares;
3. Conducting and designing clinical trial studies (Proficient in VISION and OpenClinica Trials Softwares);;
4. Medical imaging modalities such as DWI, SWI, DTI, and MRS;
5. Animal modelling, cell labelling and tracing methods;
6. Optical microscopy techniques, IHC, PCR, and Tissue sampling;
7. Embryo transfer and IVF techniques.
8. Working with Ligplot and AutoDock bioinformatics software in molecular dynamics and protein docking studies.