

## Curriculum Vitae

**First Name:** Majid Reza

**Last Name:** Farrokhi

**Date of Birth:** 1 Jun 1962

**Degree:** Professor of Neurosurgery

**University:** Shiraz University of Medical Sciences

**College:** Medicine

**Department:** Neurosurgery

**Area of Interest:** Neuroscience

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### **Education**

- 1- Diploma of mathematics Physics, Abadeh, Fars Province, Iran, 1980.
- 2- Medical Student, Shiraz University of Medical Sciences 1984-1991.
- 3- General Physician, Shiraz University of Medical Sciences 1991.
- 4- Residency Training of Neurosurgery, Shiraz University of Medical Sciences 1991-1996.
- 5- Specialty degree in Neurosurgery, Shiraz University of Medical Sciences 1996.
- 6- Fellowship of spine surgery, Innsbruck University, Austria, 2004.

### **Founder**

- 1- The founder of Shiraz Neuroscience Research Center, Shiraz University of Medical Sciences 2007-present.
- 2- The founder of Virtual School, Shiraz University of Medical Sciences. 2015-2022
- 3- The founder of Magazine of Interdisciplinary Journal of Virtual Learning in Medical Sciences (IJVLMS).
- 4- The founder of Spine Fellowship Program.2013- present.

## **Positions**

1. Chairman of Neurosurgery Department of Shiraz University of Medical Sciences 2022-present.
2. Director of Spine Section (Spine Fellowship Program), Neurosurgery Department.2013-present.
3. Head of Shiraz Neuroscience Research Center, Shiraz University of Medical Sciences 2007-present.
4. Manager of Faculty Affairs at the Vice-Chancellor for Education, Shiraz University of Medical Sciences, Shiraz, Iran. 2018-2021.
5. Organizing Committee Member and Keynote Speaker for 3<sup>rd</sup> International Conference on Spine and Spinal Disorders. June 11-13, 2018 in London, UK.
6. Organizing Committee Member and Keynote Speaker for 2<sup>nd</sup> International Conference on Spine and Spinal Disorders. July 24-26, 2017 in Rome, Italy.
7. Organizing Committee Member and Keynote Speaker for 1<sup>st</sup> International Conference on Spine and Spinal Disorders. June 30-July 2, 2016 in Valencia, Spain.
8. Dean of Virtual School, Shiraz University of Medical Sciences. 2015-2022.
9. Head of Fars and South of Iran AO - Spine Society, 2002-2005.
10. Dean of Medical School, Bushehr University of Medical Sciences.1996-1998.
11. Vice – Chairman for Research of Neurosurgery Department 2004-2008.
12. Chief of Neurosurgery Department in Namazi Hospital 2010.
13. Chairman of Neurosurgery Department of Shiraz University of Medical Sciences 2011-2014.
14. Member of Educational Council of Shiraz University of Medical Sciences 2010-present.
15. A member of the examiners of Iranian Board Certificate of Neurosurgery and its Evaluation 2009-present.
16. Active researcher of Shiraz Medical School in 2012 and 2013.
17. Head of the 1<sup>st</sup> International Congress of E-Learning in Medical Sciences.
18. Head of the 1<sup>st</sup> International neuroscience forum in 2018.
19. Vice president of Iranian Board of Examiners in Neurosurgery from 2012-present.
20. Head of Center of Excellence for Electronic learning in Medical Sciences 2009- 2022
21. Head of virtual school, Shiraz University of Medical Sciences.2009-2022
22. Director of University Council, Shiraz University of Medical Sciences.

## **Teaching Experience**

- 1- Neurosurgery workshop in vascular topics. Held by world Federation of Neurosurgical Societies, Sydney, Australia 16-20 Sep 2007.
- 2- Stryker spine workshop conducted on 24-25<sup>th</sup>, Jun 2002, Tehran, Iran.
- 3- Neuronavigation in Neurosurgery, Medtronic Sofamor danek, Paris, France 7-8 Sep 2000.
- 4- Spinal Surgery in degenerative pathologies, GICD – Europe, 4-6 Sep 2000, Paris, France.
- 5- Less invasive spine surgery (LISS), 5<sup>th</sup> Bern live Spine surgery symposium, 4-5 Feb 2005, Bern, Swiss.
- 6- Comprehensive spine course, AO spine course, 5-6 Sept 2004 Dubai, UAE.
- 7- Spine Surgery, Middle East Spinal Surgery Symposium, approved by the American academy of continuing medical education; 23-24 Jan 2006, Dubai, UAE.
- 8- Scoliosis workshop, held by GICD- Europe, European congress, 25-28 Oct 2006, Istanbul, Turkey.
- 9- Member of Iranian medical council 1991- present.
- 10- Member of Iranian Neurosurgical Society 1994- present.
- 11- Member of Iranian Surgeon Society 1994- present.
- 12- Member of European AO Spine Society,
- 13- Member of Shiraz Forensic Council 1998- present.
- 14- Member of Shiraz Social Security Council 1998- present.
- 15- Member of Scientific Board of journal of South Medical .1996-2000.
- 16- Teaching 13 Iranian and international neurosurgeons (Syria, Lebanon, Tajikistan, Pakistan) in the field of Spine Fellowship.

## **Experience**

- 1- Assistant professor of Neurosurgery, Bushehr University of Medical Sciences. (1996-1998).
- 2- Assistant professor of Neurosurgery, Shiraz University of Medical Sciences. (1998-2006).

- 3- Associate professor of Neurosurgery, Shiraz University of Medical Sciences. (2006-present).
- 4- Full Professor of Neurosurgery, Shiraz University of Medical Sciences. (2012-present).
- 5- Consultant in Spinal Surgery 2004- present.

### **Invention**

- 1- Owner of Iranian patent: "Design and making of Acrylic cage in replacement of cervical Disc", patent: (No: 38609003 10/10/86, 2007)
- 2- Owner of Iranian patent: "Minimally invasive spine and brain surgery robot with 6 degrees of freedom", patent: (No: 91998 03/02/96, 2017)

### **Awards and Honors**

1. The First surgical applying of cage in Spine Surgery in SUMS and South of Iran Selected as Dean of Shiraz Medical School, 2003.
2. The First Vertebroplasty for operation Vertebral fractures in Shiraz University of Medical Sciences, 2004.
3. The First Anterior Odontoid Screw Fixation in Odontoid Fractures in Shiraz University of Medical Sciences (SUMS) 2004.
4. Being selected as an Active Researcher of Shiraz University of Medical Sciences in 2012.
5. Being selected as a Selected Professor of Shiraz University of Medical Sciences in 2013.
6. Being selected as the Best Professor of Shiraz University of Medical Sciences in 2014.
7. Achievement of Dr. Nooruddin Hadavi's Award and the first rank in Clinical Research presented by the Academy of Medical Sciences, Islamic Republic of Iran, on February 19, 2015 for the manuscript entitled "Randomized controlled trial of percutaneous vertebroplasty versus optimal medical management for the relief of pain and disability in acute osteoporotic vertebral compression fractures"

8. Spinal News International's published a report entitled "Acrylic cages are good alternatives to bone graft and PEEK in anterior cervical discectomy and fusion" on one of my studies published by the *J Spinal Disord Tech*, which suggests that our novel acrylic cage, composed of polymethylmethacrylate (PMMA) and methacrylate, is as clinically effective as PEEK cages or bone graft in promoting fusion following an anterior cervical Discectomy and fusion.
9. Being selected as a Selected Researcher of Shiraz University of Medical Sciences in 2017.

## **Publications and presentations**

### **- Books**

1. Majid Reza Farrokhi\*, Atefeh Bakhtazad. Anatomy of brain, spine, and nervous system from the viewpoint of doctors well-known for their research in alternative medicine of Iran. 2010, Khayam Press. Publication of Shiraz Neurosciences Research Center. ISBN: 978-964-04-6433-5.
2. A Book Chapter Spinal Fusion with Methylmethacrylate Cage by Majid Reza Farrokhi\* and Golnaz Yadollahi Kholes in the book "Bone Grafting" edited by Alessandro Zorzi and Joao Batista de Miranda, ISBN 978-953-51-0324-0, InTech, March 3, 2012

### **- Papers**

1. Farrokhi MR. Brain tuberculoma. Iranian South Medical Journal 1987;1(2).
2. Aarabi B, Taghipour M, Haghnegahdar A, Farrokhi MR, Mobley. Prognostic Factors in the occurrence of posttraumatic epilepsy after penetrating head injury suffered during military service (Iran- Iraq war), Neurosurg (focus). 2000 Jan 15;8(1):e1
3. Farrokhi MR. Evaluation of the outcomes of spinal fixation in 42 patients using CD technique. Iranian Journal of Spine 2002.1(2).
4. Farrokhi MR, Alibi EA, Rasekhi AR. What is your diagnosis? Anterior Tentorial Tuberculoma. Iranian J. Radiology; 2003;3-4(1)167-168.
5. Farrokhi MR, Taghipour M, Severe head injuries and intracranial pressure monitoring in southern Iran. JRMS 2006, 11(4)248-251.

6. Farrokhi MR, Aghamajidi J, Surgical treatment of occult spinal dysraphism with tethard s.cord. pan arab J. of Neurosurgery; 2006; oct,10(2): 13-16.
7. Farrokhi MR, Motallebi H, Comparison of outcome of surgical and nonsurgical methods in lower cervical injury. Neurosciences; 2006; 11 (4): 252-255.
8. Farrokhi MR, Ansari Z. Evaluation of contributive factors on recurrence of intracranial meningioma during a 20-year period. Journal of Tehran Medical School 2006.64(12).
9. Farrokhi MR, Tavallae GH, Unusual Migration of the distal catheter of a V-P shunt into the Vagina. IJMS 2007; 32 (3): 182-184.
10. Geramizadeh B, Farrokhi MR, Palizian A, Bagheri MH, Giant chondroma of falx. IJMS 2007; 32 (3):185-187.
11. Farrokhi MR, Motallebi H, Outcome of surgical and nonsurgical method in unstable cervical spine. Archives of Iranian medicine. April 2007; (10)2:157-160.
12. Farrokhi MR, Alibi EA, Etehadi F, Recurrence of pituitary adenoma; A 10 year Survey. pan arab Journal of Neurosurgery. April2008; 12(1): 55-58.
13. Farrokhi MR, Masoudi MS, Slipped vertebral epiphysis (Report of 2 cases); Isfahan Journal of Research in Medical Sciences. January & February 2009; 14(1):63-66.
14. Farrokhi MR, Niknam H, Lumbar radicular pain caused by epidural varices (Report of two cases); pan arab Journal of Neurosurgery October2010; 14(2):115-116.
15. Farrokhi MR, Razmkon A, Maghami Z, Nikoo Z, Inclusion of the fracture level in short segment fixation of thoracolumbar fractures. Eur Spine J. May 2010; 19:1651–1656.
16. Farrokhi MR, Torabinezhad S, Azodi Ghajar K , Pilot study of a new acrylic cage in a dog cervical spine fusion model. Journal of spinal Disorder & Techniques. 2010; 23(4):272-277.
17. Farrokhi MR, Ansari Z, Evaluation of Contributive Factors on Recurrence of Intracranial Meningioma. Middle East Journal of Cancer. 2010;1(2):83-88.
18. MR Farrokhi, G Yadollahikholes. Spinal fusion with methylmethacrylate cage. Bone Grafting; 2012.
19. MR Farrokhi, Z Ansari. Recurrence of intracranial meningioma and its contributive factors: a 20-year study. Tehran University Medical Journal TUMS Publications 2006; 64 (12), 91-96.
20. MM Doroodmand, H Shamani, MR Farrokhi. Effect of controlled electromagnetic fields on the differentiation between mesenchymal stem cells and neuron cells

- inside nutrient media modified with carbon nanostructures: A new growth/differentiation factor. *Journal of Bionanoscience* 2016; 10 (4), 321-325.
21. A Haghnegahdar, A Razmkon, MR Farrokhi, A Shaghaghian, Abdinezhad M. Patient-reported outcomes and plausible prognostic factors in patients with post-traumatic cervical locked facets; an ambidirectional cohort study. *Journal of Research in Medical Sciences* 2014.
  22. MR Farrokhi, H Nouraei, SV Hosseini. Resection of large sacral tumors: a report of 4 cases. *Journal of Injury and Violence Research* 2012; 4 (3 Suppl 1).
  23. MR Farrokhi, M Jamali. Evaluation of operation outcomes in patients with degenerative lumbar scoliosis. *Journal of Injury and Violence Research* 2012; 4 (3 Suppl 1).
  24. KF Shafiee, HR Matinfar, SK Alavipanah, MR Farrokhi. Digital elevation model generation by using of aster sensor stereo image. *Journal of RS and GIS for Natural Resources* 2011; 2(3): 1-11.
  25. Farrokhi MR, Vasei M, Fareghbal S, Farrokhi N, The Effect of Methylene Blue on Peridural Fibrosis Formation after Laminectomy in Rats (An Experimental novel study). *The Spine Journal*. 2011.11:147-152.
  26. Farrokhi MR, Alibi EA, Maghami Z, Randomized controlled trial of percutaneous vertebroplasty versus optimal medical management for the relief of pain and disability in acute osteoporotic vertebral compression fractures. *Journal of Neurosurgery: Spine*. 2011 May;14(5):561-569.
  27. Farrokhi MR. Vertebral compression fractures. *J Neurosurg: Spine* 2011May: 14(5) 555–560.
  28. Farrokhi MR, Vasei M, Fareghbal S, Bakhtazad A, Effect of honey on peridural fibrosis formation after laminectomy in rats (A novel experimental study). *Evidence-Based Complementary and Alternative Medicine (eCAM)*. 2011; 2011:1-6.
  29. Farrokhi MR, Asef Kazemi P, Eftekharian Jahromi HR, Akbari K, Efficacy of prophylactic low-dose of tranexamic acid (TXA) in spinal fixation surgery: A randomized clinical trial. *J Neurosurg Anesthesiol* 2011 Oct; 23(4):290-6.
  30. Farrokhi MR, Nouraei H, Kiani A, The Efficacy of Percutaneous Vertebroplasty in Pain Relief in Patients with Pathological Vertebral Fractures due to Metastatic Spinal Tumors. *Iranian Red Crescent Medical Journal*. Sep.2012;14(9)

31. Farrokhi MR, Percutaneous vertebroplasty (Letter to editor). J Neurosurg: Spine Feb 2012; 16(2): 210-211
32. Farrokhi MR, Masoudi MS. Posterolateral versus posterior interbody fusion in isthmic spondylolisthesis. J Neurotrauma. 2012 May 20;29(8):1567-73.
33. Keshtkaran A, Bagheri M, Ostovar R, Salari H, Farrokhi MR, Esfandiari A, Yousefimanesh H. Developing Criteria for Lumbar Spine Magnetic Resonance Imaging (MRI) Using RAND Appropriateness Method (RAM). Iranian Journal of Radiology. 2012;9(3): 130-138.
34. Shamani H, Doroodmand MM, Farrokhi MR, Zharifkar A. Natural Neuron Cells as Wonderful Microprocessor: Physical Studies on Potential Behavior of Neuron. Journal of Advanced Physics. 2012;1:1–6.
35. Rahmanian A, Farrokhi MR, Alibai EA, Masoudi MS. Multiple intracranial dural arteriovenous fistula. JRMS. 2013 Apr; 18(4): 360–362.
36. Azarpira N, Rad H, Farrokhi MR. Primary Spinal Hydatidosis: Report of a Case Diagnosed on Intraoperative Imprint Cytology. Neurosurgery Quarterly: November 2013;23 (4): 286–288.
37. M Pooradl, A Alipour, MA Dehkordi, MR Farrokhi. Associations between self-reported anxiety and serum lipid, lipoprotein concentrations and platelets in healthy men. - Neurology Asia, 2013 Neurology Asia 2013; 18(1) : 87 – 93
38. Ashjazadeh N, Boostani R, Ekhtiari H, Emamghoreishi M, Farrokhi MR, et al. Operationalizing Cognitive Science and Technologies’ Research and Development; the “Brain and Cognition Study Group (BCSG)” Initiative from Shiraz, Iran. Basic Clin Neurosci. 2014 Spring; 5(2): 104–116.
39. Farrokhi MR, Ranjbar F, Mashari MA, Ardeshiri M. Primary Ewing sarcoma of the sacrum. Jentashapir J Health Res 2014;5:517-520.
40. Farrokhi MR, Nikoo Z, Gholami M, Hosseini K. Comparison Between Acrylic Cage and Polyetheretherketone (PEEK) Cage in Single-level Anterior Cervical Discectomy and Fusion: A Randomized Clinical Trial. Clin Spine Surg. 2017 Feb;30(1):38-46.
41. Farrokhi MR, Lotfi M, Masoudi MS, Gholami M. Effects of Methylene Blue on Postoperative Low Back Pain and Functional Outcomes after Lumbar Open Discectomy: A Triple-Blind, Randomized Placebo-Controlled Trial. J Neurosurg Spine. 2016 Jan;24(1):7-15.



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43. Farrokhi MR, Ghaffarpasand F, Khani M, Gholami M. An Evidence-Based Stepwise Surgical Approach to Cervical Spondylotic Myelopathy: A Narrative Review of the Current Literature. *World Neurosurg*. 2016 Oct;94:97-110.
44. Farrokhi MR, Gholami M. Similarity of thorn bush with neuronal network and its interconnectivity in neuroscience. *Journal of Spine and Neurosurgery* 2016; 5(6).
45. Farrokhi MR. Response to Amirjamshidi A. Letter to the Editor: The effect of methylene blue on postoperative low-back pain. *J Neurosurg Spine*. 2016 Jul 8:1-2.
46. Farrokhi MR, Yazdanpanah H, Gholami M, Farrokhi F, Mesbahi AR. Pain and functional improvement effects of methylene blue injection on the soft tissue around fusion site after traumatic thoracolumbar fixation: A double-blind, randomized placebo-controlled study. *Clin Neurol Neurosurg*. 2016 Aug 21;150:6-12.
47. Farrokhi MR, Haghnegahdar A, Rezaee H, Sharifi Rad MR. Spinal sagittal balance and spinopelvic parameters in patients with degenerative lumbar spinal stenosis; a comparative study. *Clin Neurol Neurosurg*. 2016 Dec;151:136-141.
48. Farrokhi MR, Jamali M, Gholami M, Farrokhi F, Hosseini K. Clinical and radiological outcomes after decompression and posterior fusion in patients with degenerative scoliosis. *Br J Neurosurg*. 2017 Oct;31(5):514-525.
49. Farrokhi MR, Gholami M. In Reply to the Letter to the Editor regarding "An Evidence-Based Stepwise Surgical Approach to Cervical Spondylotic Myelopathy: A Narrative Review of the Current Literature". *World Neurosurg*. 2017 Feb;98:848-849. doi: 10.1016/j.wneu.2016.11.108.
50. Ziaee SM, Tabeshmehr P, Haider KH, Farrokhi MR, Shariat A, Amiri A, Hosseini SM. Optimization of time for neural stem cells transplantation for brain stroke in rats. *Stem Cell Investigation* 2017;4.
51. Farrokhi MR, Rezaei H, Farrokhi F. Anterior screw fixation in type II odontoid fracture in an 18-month-old girl: a case report and review of the literature. *Br J Neurosurg*. 2017 Nov 28:1-4. doi: 10.1080/02688697.2017.1409881. [Epub ahead of print]
52. Keshavarz M, Farrokhi MR, Amiri A. Caffeine Neuroprotective Mechanism Against  $\beta$ -Amyloid Neurotoxicity in SHSY5Y Cell Line: Involvement of

- Adenosine, Ryanodine, and N-Methyl-D-Aspartate Receptors. *Adv Pharm Bull.* 2017 Dec;7(4):579-584.
53. Farrokhi MR, Gholami M. A Letter to the Editor regarding "Fusion or Not for Degenerative Lumbar Spinal Stenosis: A Meta-Analysis and Systematic Review". *Pain Physician.* 2018 May;21(3):E284-E287.
54. Farrokhi MR, Gholami M. Superiority of Lumbar Fusion Surgery with ISOBAR Devices over Posterior Lumbar Interbody Fusion Surgery in Patients with Lumbar Degenerative Diseases: An Invited Brief Commentary. *J Invest Surg.* 2018 Oct 31:1-3.
55. Farrokhi MR, Kiani A, Rezaei H. Unilateral lag screw fixation of isolated non-union atlas lateral mass fracture: a new technical note. *Br J Neurosurg.* 2018 Jan 15:1-5.
56. Farrokhi MR, Ghaffarpasand F, Taghipour M, Derakhshan N. Transventricular Transvelar Approach to Trochlear Nerve Schwannoma: Novel Technique to Lesions of Inferior Pineal Region. *World Neurosurg.* 2018 Jun;114:274-280.
57. Farrokhi MR, Yadollahikhales G, Gholami M, Mousavi SR, Mesbahi AR, Asadi-Pooya AA. Clinical Outcomes of Posterolateral Fusion vs. Posterior Lumbar Interbody Fusion in Patients with Lumbar Spinal Stenosis and Degenerative Instability. *Pain Physician.* 2018 Jul;21(4):383-406.
58. Farrokhi MR, N Zarifsanaiey, F Haghighi, M Mehrabi. E-learning or in-person approaches in continuous medical education: A comparative study. 2016 Jan *IIOAB J* 7 (2), 472-476.
59. MR Farrokhi, M Gholami. Can cerebral disease cause cognitive disorders? A review of the literature. 2018 *Chirurgia-Italy* 31 (5), 191-207.
60. M Emamghoreishi, Farrokhi MR, A Amiri, M Keshavarz. The neuroprotective mechanism of cinnamaldehyde against amyloid- $\beta$  in neuronal SHSY5Y cell line: The role of N-methyl-D-aspartate, ryanodine, and adenosine receptors and glycogen synthase kinase-3 $\beta$ . *Avicenna Journal of Phytomedicine* 2019. DOI: 10.22038/ajp.2019.12385.
61. M Keshavarz, Farrokhi MR, A Amiri, K Hosseini. The contribution of S100B to the glioprotective effects of valproic and arundic acids. *Iranian Journal of Basic Medical Sciences* 2019.
62. M Moosavi, Farrokhi MR, N Tafreshi. The effect of curcumin against 6-hydroxydopamine induced cell death and Akt/GSK disruption in human neuroblastoma cells. 2018 *Physiology and Pharmacology* 22 (3), 163-171.

63. A Haghnegahdar, R Behjat, S Saadat, Farrokhi MR, A Niakan, K Eghbal. Early versus late surgery for traumatic spinal cord injury in the T1-L1 area-second results of an RCT at one-year follow-up. 2018 Journal of Neurotrauma 35 (16), A43-A43.
64. Z Karimian, Farrokhi MR, Eight steps in the development of virtual education in educational innovation plan in medical sciences universitie, a review of an experience. 2018Teb Va Tazkieh 27 (200287), 101-112.
65. Farrokhi MR, MM Samsami, M Nikpoor, M Dehghan. An Innovative Portable Device for Detecting and Sending the Occurrence of the Seizure. 2018 Shiraz E-Medical Journal 19 (Suppl).
66. MR Farrokhi, G Yadollahikholes, M Gholami. Treatment of 44 Cases With Lumbar Spine Stenosis and Degenerative Instability: Outcomes of Surgical Intervention. 2017 Iranian Journal of Neurosurgery 3 (3), 79-88.
67. M Moosavi, Farrokhi MR, N Tafreshi, MR Afarinesh, et al. The rate of resistance to tetracyclines and distribution of tetA, tetB, tetC, tetD, tetE, tetG, tetJ and tetY genes in Enterobacteriaceae isolated from Azerbaijan, Iran during 2017.
68. Farrokhi MR. Cerebral tuberculoma & presentation of two cases with tuberculoma of the base of skull. Iranian South Medical Journal. 1997, 139-145.
69. Farrokhi MR, M Emamghoreishi, A Amiri, M Keshavarz. Neuroprotective effects of caffeine against beta-amyloid neurotoxicity: The involvement of glycogen synthase kinase-3 $\beta$  protein. 2019 Physiology and Pharmacology 23 (3), 150-153.
70. Farrokhi MR, MH Karimi, F Ghaffarpasand, M Sherafatian. MicroRNA-199a Upregulation mediates lumbar intervertebral disc degeneration and is associated with clinical grades of degeneration. 2020 Turk Neurosurg, 30(1), pp. 104-111
71. Farrokhi MR, A Kiani, H Rezaei. Unilateral lag screw fixation of isolated non-union atlas lateral mass fracture: a new technical note. 2019 British journal of neurosurgery 33 (2), 140-144
72. M Keshavarz, Farrokhi MR, A Amiri, M Hosseini. The contribution of S100B to the glioprotective effects of valproic and arundic acids. 2019 Iranian Journal of Basic Medical Sciences 22 (5), 557
73. M emamghoreoshi, Farrokhi MR, A Amiri, P Sarkohi, M Keshavarz. Glycogen synthase kinase-3 $\beta$  may contribute to neuroprotective effects of Sargassum oligocystum against amyloid-beta in neuronal SH-SY5Y cells. 2019 Iranian Journal of Pharmacology and Therapeutics 17 (1), 1-6

74. Farrokhi MR, N Derakhshan, H Rezaei, SZ Shampour. Standalone Transoral Vertebroplasty for Treatment of Painful Metastatic C2 Lesion: A Case Report.2019 Archives of Neuroscience
75. Farrokhi MR, H Rezaei, F Farrokhi. Anterior screw fixation in type II odontoid fracture in an 18-month-old girl: a case report and review of the literature.2019British Journal of Neurosurgery 33 (6), 699-702
76. Farrokhi MR, A Tarokh, J Safaei. Can C2 Vertebroplasty Restore Alignment in Pathologic Odontoid Fracture: A Case Report. 2020 Iranian Journal of Neurosurgery 6 (1), 6-6
77. M Keshavarz, Farrokhi MR, EA Fard, M Mehdipour. Contribution of Lysosome and Sigma Receptors to Neuroprotective Effects of Memantine Against Beta-Amyloid in the SH-SY5Y Cell.2020 Advanced Pharmaceutical Bulletin 10 (3), 452
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80. Soukhaklari, R., Farrokhi MR, Moosavi, M. Protective effect of nobiletin against apoptosis induced by 6-hydroxydoamine in human neuroblastoma cells.2020 Physiology and Pharmacology (Iran), 24(1), pp. 10-18
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Reconstruction of C1 lateral mass with an expandable cage in addition to vertebral artery preservation: presenting two cases. *British Journal of Neurosurgery*.2021
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87. Seyed Reza Mousavi, Farrokhi MR, Keyvan Eghbal, Amirreza Dehghanian, Alireza Rezvani, et al. Metastatic thoracic and lumbar intramedullary and extramedullary Ewing's sarcoma: a rare case report and literature review. *The Journal of international medical research*.2022 Aug;50(8):3000605221108095
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