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Ghaffar Shokouhi Tabrizi, MD

Professor
Department of Neurosurgery,
Imam Reza Hospital,
Tabriz University of Medical Sciences,
Tabriz, IRAN

Educational Background

Neurosurgery September 1993 - September 1998 (Tabriz University of Medical Sciences)
General Medicine September 1984 - September 1991 (Tabriz University of Medical Sciences)

Academic ranking

Professor of neurosurgery, Tabriz University of Medical Sciences,
2008

**Associate professor of neurosurgery, Tabriz University of
Medical Sciences, 2003-2008**

Assistant professor of neurosurgery, Tabriz University of Medical
Sciences, 1998-2003

Language Capability

1. Native language: Farsi
2. English

Administrative Responsibilities

- Director of trauma ward • 2014- present
- Director of department of neurosurgery • 2011-2013
- Deputy of research, department of neurosurgery • 2007-2011
- Deputy of research, department of neurosurgery • 2005-2007
- Committee of examination and definition of brain death • 2000- present

- Research committee of faculty of medicine • 2007-2013
- Research committee of neuroscience research center • 2008-2014
- Research committee of medical philosophy and history
research Center • 2000-present
- Research committee of physical medicine and rehabilitation
research center • 2000-2006

Awards

- Platinum Medal (International Warsaw Invention Show) 2015
- Second Top Iranian Researcher in Surgery, 15th Razi National Research Festival on Medical Sciences, Tehran, Iran, 2009.
- Research Grant of National Foundation of Elites 2009
- Best Grant of University 2011
- First best ranked in publishing highly cited papers 2009
- Best Researcher of neurosurgery 2009
- Best Researcher of faculty of medicine 2008
- First Degree in Neurosurgery National Board Examination 1998 .

Current *h*-index based on:

Google Scholar: 19

Scopus: 14

Publications (International)

- 1) Shokouhi G, Kosari-Nasab M, Salari AA. Silymarin sex-dependently improves cognitive functions and alters TNF- α , BDNF, and glutamate in the hippocampus of mice with mild traumatic brain injury. *Life Sci* . 2020 Jul 4;257:118049. doi:10.1016/j.lfs.2020.118049. Online ahead of print.
- 2) Kosari-Nasab M, Sadeghi T, Bashiri H, Shokouhi G, Salari AA. *Behav Pharmacol*. The blockade of corticotropin-releasing factor 1 receptor attenuates anxiety-related symptoms and hypothalamus-pituitary-adrenal axis reactivity in mice with mild traumatic brain injury. 2019 Apr;30(2 and 3-Spec Issue):220-228.
- 3) Kosari-Nasab M, Shokouhi G, Ghorbanihaghjo A, Mesgari-Abbasi M, Salari AA. Quercetin mitigates anxiety-like behavior and normalizes hypothalamus-pituitary-adrenal axis function in a mouse model of mild traumatic brain injury. *Behav Pharmacol*. 2019 Apr;30(2 and 3-Spec Issue):282-289.

- 4) Kosari-Nasab M, Shokouhi G, Azarfarin M, Bannazadeh Amirkhiz M, Mesgari Abbasi M, Salari AA. Metab Serotonin 5-HT1A receptors modulate depression-related symptoms following mild traumatic brain injury in male adult mice. *Brain Dis.* 2019 Apr;34(2):575-582. doi: 10.1007/s11011-018-0366-4. Epub 2019 Jan 3.
- 5) Amani M, Shokouhi G, Salari AA. Minocycline prevents the development of depression-like behavior and hippocampal inflammation in a rat model of Alzheimer's disease. *Psychopharmacology (Berl).* 2019 Apr;236(4):1281-1292. doi: 10.1007/s00213-018-5137-8. Epub 2018 Dec 4.
- 6) Kosari-Nasab M, Shokouhi G, Ghorbanihaghjo A, Abbasi MM, Salari AA. Hesperidin attenuates depression-related symptoms in mice with mild traumatic brain injury. *Life Sci.* 2018 Nov 15;213:198-205. doi: 10.1016/j.lfs.2018.10.040. Epub 2018 Oct 21.
- 7) Rai R, Iwanaga J, **Shokouhi G**, Loukas M, Mortazavi MM, Oskouian RJ, Tubbs RS. A comprehensive review of the clivus: anatomy, embryology, variants, pathology, and surgical approaches. *Childs Nerv Syst.* 2018 Aug;34(8):1451-1458.
- 8) Shakeri M, Salehpour F, **Shokouhi G**, Aeinfar K, Aghazadeh J, Mirzaei F, Naseri Alavi SA. Minimal Dose of Tranexamic Acid Is Effective in Reducing Blood Loss in Complex Spine Surgeries: A Randomized Double-Blind Placebo Controlled Study. *Asian Spine J.* 2018 Jun;12(3):484-489.
- 9) Mahmoodpoor A, **Shokouhi G**, Hamishehkar H, Soleimanpour H, Sanaie S, Porhomayon J, Rasouli F, Nader ND. A pilot trial of l-carnitine in patients with traumatic brain injury: Effects on biomarkers of injury. *J Crit Care.* 2018 Jun;45:128-132.
- 10) Kosari-Nasab M, **Shokouhi G**, Ghorbanihaghjo A, Abbasi MM, Salari AA. Anxiolytic- and antidepressant-like effects of Silymarin compared to diazepam and fluoxetine in a mouse model of mild traumatic brain injury. *Toxicol Appl Pharmacol.* 2018 Jan 1;338:159-173.
- 11) **Shokouhi G**, Asghari M, Shakeri M, Sattarnezhad N, Mahdkhah A and Panahi F. Pedicle Screw Fixation at the Level of the Fracture: The Postoperative Kyphosis Rate and Replacement of the Fractured Body. *Neurosurgery Quarterly.* 2015; 25 (1): 24-28.

- 12) Shoja MM, Agutter PS, **Shokouhi G** and Tubbs RS. When Cold Becomes Hot and Hot Becomes Cold: Unearthing a Historical Report. *International Journal of History and Philosophy of Medicine*. 2015; 5(5):1-4.
- 13) Salehpoor F, Meshkini A, **Shokouhi G**, Aghazade J, Lotfinia I, Shakeri M, Shimia M, Razzaghi A, Mirzaee F and Mahdkhah A. Prognostic Serum Factors in Traumatic Brian Injury: A Systematic Review. *Iranian Journal of Neurosurgery*. 2015; 1 (1): 10-22.
- 14) Shoja MM, Tubbs RS, **Shokouhi G**, Agutter PS, Pashapour A, Loukas M. Yawning as the presenting feature of a complex partial seizure. *Biomedicine International*. 2011; 2: 90-93.
- 15) Shoja MM, Oyesiku NM, Griessenauer CJ, Radcliff V, Loukas M, Chern JJ, Benninger B, Rozzelle CJ, **Shokouhi G** and Tubbs RS. Anastomoses between lower cranial and upper cervical nerves: A comprehensive review with potential significance during skull base and neck operations, part I: trigeminal, facial, and vestibulocochlear nerves. *Clin Anat*. 2014 Jan; 27(1):118-30.
- 16) Shoja MM, Oyesiku NM, **Shokouhi G**, Griessenauer CJ, Chern JJ, Rizk EB, Loukas M, Miller JH and Tubbs RS. Anastomoses between lower cranial and upper cervical nerves: A comprehensive review with potential significance during skull base and neck operations, Part II: glossopharyngeal, vagus, accessory, and hypoglossal nerves and cervical spinal nerves 1-4. *Clin Anat*. 2014 Jan; 27(1):131-44.
- 17) **Shokouhi G**, Haghjoo AG, Sattarnezhad N, Asghari M, Sattarnezhad A, Asghari A, Pezeshki A. Effects of citicoline on level of consciousness, serum level of fetuin-A and matrix Gla-protein (MGP) in trauma patients with diffuse axonal injury (DAI) and GCS \leq 8. *Ulus Travma Acil Cerrahi Derg*. 2014 Nov; 20(6):410-6.
- 18) **Shokouhi G**, Sattarnezhad N, Motlagh PS and Mahdkhah A. Correlation of Fracture Depression Level and Dural Tear in Patients with Depressed Skull Fracture. *Neurosurgery Quarterly*. 2014; 24 (1): 84-86.
- 19) Mohammadian R, Taheraghdam AA, Sharifipour E, Mansourizadeh R, Pashapour A, Shimia M, **Shokouhi G**, Shakeri M and Hashemzadeh A. Endovascular treatment of intracranial

artery dissection: clinical and angiographic follow-up. *Neurol Res Int.* 2013; 2013:9680- 83.

- 20) Erolin C, Shoja MM, Loukas M, **Shokouhi G**, Rashidi MR, Khalili M and Tubbs RS. What did Avicenna (Ibn Sina, 980-1037A.D.) look like? *Int J Cardiol.* 2013 Sep 1; 167(5):1660-3.
- 21) Salehpour F, **Shokouhi G**, Shakeri M, Shimia M, Mahdkhah A, Baradaran A, Imani MT, Azar AK, Bazzazi AM and Khanli HM. Neuroprotective Effects of Citicoline in Diffuse Axonal Injuries. *Advances in Bioscience and Clinical Medicine.* 2013; 1 (1): 16-19.
- 22) Shoja MM, Agutter PS, Loukas M, Benninger B, **Shokouhi G**, Namdar H, Ghabili K, Khalili M and Tubbs RS. Leonardo da Vinci's studies of the heart. *Int J Cardiol.* 2013 Aug 20; 167(4):1126-33.
- 23) Daghighi MH, **Shokouhi G**, Zarrintan S, Babil MS, Asghari M, Salehpour F, Pouisa M and Imamalizadeh M. Accuracy of Marker Placement by Magnetic Resonance Imaging in the Determination of the Incision Site in Lumbar Disk Surgeries. *Neurosurgery Quarterly.* 2013 May; 23 (2): 85 – 90.
- 24) Shoja MM, Agutter PS, Loukas M, **Shokouhi G**, Khalili M, Farhoudi M and Tubbs RS. Cranioplasty in medieval Persia and the potential spread of this knowledge to Europe. *Childs Nerv Syst.* 2012 Dec; 28(12).
- 25) Abbasnejad F, Shoja MM, Agutter PS, Alakbarli F, Loukas M , **Shokouhi G**, Khalili M and Tubbs RS. Rabi Rashidi (Rashidi Quarters) a late thirteen to early fourteenth century Middle Eastern Medical School. *Childs Nerv Syst.* 2012 Nov; 28(11).
- 26) **Shokouhi G** and Neda Sattarnezhad. Visuospatial Abilities in Children Operated Upon for Myelomeningocele. *Neurosurgery Quarterly.* 2012August; 22 (3): 159-162.
- 27) Shoja MM, Loukas M, **Shokouhi G**, Hattab E, Tubbs RS. An anastomosis between the auriculotemporal and inferior alveolar nerves in the infratemporal fossa. *Biomedicine International.* 2012;3(2):1-4.
- 28) **Shokouhi G**, Ghojazadeh M and Sattarnezhad N. Organizing Evidence Based Medicine (EBM) Journal Clubs in Department of Neurosurgery. *International Journal of Health Sciences, Qassim University.* 2012 Jan; 6(1):59-62.

- 29) Shoja MM, Shane Tubbs R, Loukas M, **Shokouhi G**, Ghabili K and Agutter PS. The sub-peritoneal arterial plexus of Sir William Turner. *Ann Anat.* 2010 Aug 20; 192(4):194-8.
- 30) Shoja MM, Tubbs RS, **Shokouhi G** and Loukas M. Wang Qingren and the 19th century Chinese doctrine of the bloodless heart. *Int J Cardiol.* 2010 Nov 19; 145(2):305-6.
- 31) Shoja MM, Tubbs RS, **Shokouhi G**, Agutter PS, Pashapour A and Loukas M. Yawning as the presenting feature of a complex partial seizure. *Biomedicine International.* 2011; 2: 90-93.
- 32) Tubbs RS, Miller J, Loukas M, Shoja MM, **Shokouhi G** and Cohen-Gadol AA. Surgical and anatomical landmarks for the perineal branch of the posterior femoral cutaneous nerve: implications in perineal pain syndromes. *J Neurosurg.* 2009 Aug; 111(2):332-5.
- 33) Tubbs RS, May WR Jr, Apaydin N, Shoja MM, **Shokouhi G**, Loukas M and Cohen-Gadol AA. Ossification of ligaments near the foramen ovale: an anatomic study with potential clinical significance regarding transcutaneous approaches to the skull base. *Neurosurgery.* 2009 Dec; 65(6 Suppl):60-4.
- 34) Tubbs RS, Mendez J, Loukas M, Shoja MA, **Shokouhi G**, Salter EG and Cohen A. The petrosal nerves: anatomy, pathology, and surgical considerations. *Clinical Anatomy.* 2009 Jul; 22(5):537-44.
- 35) **Shokouhi G**. Acute ventriculoperitoneal shunt malfunction following opening of the spinal subarachnoid space. *Childs Nerv Syst.* 2009: 25-605.
- 36) Shoja MA, Tubbs RS, Loukas M, **Shokouhi G** and Ardalan MR. Facial palsy and its management in the Kitab al-Hawi of Rhazes. *Neurosurgery.* 2009 Jun; 64(6):1188-90.
- 37) Mohammad Asghari, **Ghaffar Shokouhi**, Mehran Mesgari, and Amir Ghorbanihaghjo. Effect of Regular Exercise on Serum Paraoxonase and Arylesterase Related to Age Increment in the Male Rat. *Neurosurgery Quarterly.* 2009Sep; 19(3):156-9.
- 38) Tubbs RS, Loukas M, Shoja MM, **Shokouhi G**, Wellons JC , Oakes WJ and Cohen-Gadol AA. The contralateral long thoracic nerve as a donor for upper brachial plexus neurotization procedures - cadavric feasibility study. *Journal of Neurosurgery.* 2009 Apr; 110(4):749-53.

- 39) **Shokouhi G**, Tubbs RS, Shoja MM, Roshangar L, Mesgari M, Ghorbanihaghjo A, Ahmadi N, Sheikhzadeh F and Rad JS. The effects of aerobic exercise training on the age-related lipid peroxidation, Schwann cell apoptosis and ultrastructural changes in the sciatic nerve of rats. *Life Sci.* 2008 Apr 9; 82(15-16):840-6.
- 40) **Shokouhi G**, Tubbs RS, Shoja MM, Hadidchi S, Ghorbanihaghjo A, Roshangar L, Farahani RM, Mesgari M and Oakes WJ. Neuroprotective effects of high-dose vs low-dose melatonin after blunt sciatic nerve injury. *Childs Nerv Syst.* 2008 Jan; 24(1):111-7.
- 41) Shoja MM, Tubbs RS, **Shokouhi G**, Loukas M, Ghabili K and Ansarin K. The potential role of carbon dioxide in the neuroimmunoendocrine changes following cerebral ischemia. *Life Sci.* 2008 Sep 12; 83(11-12):381-7.
- 42) Shoja MM, Tubbs RS, Jamshidi M, **Shokouhi G** and Ansarin K. Lateralization of the respiratory control following unilateral cerebral ischemia-reperfusion injury. *Respir Physiol Neurobiol.* 2008 Feb 1; 160(2):204-7.
- 43) Tubbs RS, Loukas M, Shoja MM, Ardalan MR, Apaydin N, Myers C, **Shokouhi G** and Oakes WJ. Contributions of the fourth spinal nerve to the brachial plexus without prefixation. *J Neurosurg Spine.* 2008 Jun; 8(6):548-51.
- 44) Tubbs RS, Pearson B, Loukas M, **Shokouhi G**, Shoja MM and Oakes WJ. Phrenic nerve neurotization utilizing the spinal accessory nerve: technical note with potential application in patients with high cervical quadriplegia. *Childs Nerv Syst.* 2008 Nov; 24:1341–1344.
- 45) Tubbs RS, Loukas M, Shoja MM, **Shokouhi G** and Oakes WJ. François Magendie (1783-1855) and his contributions to the foundations of neuroscience and neurosurgery. *J Neurosurg.* 2008 May; 108(5):1038-42.
- 46) Tubbs RS, Loukas M, Shoja MM, Apaydin N, Ardalan MR, **Shokouhi G** and Oakes WJ. Costanzo Varolio (Constantius Varolius 1543-1575) and the Pons Varolli. *Neurosurgery.* 2008 Mar; 62(3):734-7.
- 47) Shoja MM, Tubbs RS, Loukas M, **Shokouhi G** and Oakes WJ. Emil Zuckerkandl (1849-1910): anatomist and pathologist. *Ann Anat.* 2008; 190(1):33-6.

- 48) **Shokouhi G** and Khosroshahi HT. Ardalan-Shoja-Kiuru syndrome--hereditary gelsolin amyloidosis plus retinitis pigmentosa. *Nephrol Dial Transplant*. 2008 Mar; 23(3):1071.
- 49) Tubbs RS, Shoja MM, **Shokouhi G**, Loukas M and Oakes WJ. Insertion of the pectoralis major into the shoulder joint capsule. *Anatomical Science International*. 2008 Dec; 83(4): 291-3.
- 50) Shoja MM, Tubbs RS, Loukas M, **Shokouhi G** and Ardalan MR. Marie-francois Xavier bichat (1771–1802) and his contributions to the foundations of pathological anatomy and modern medicine. *Annals of Anatomy*. 2008 Nov 20; 190(5):413-20.
- 51) **Shokouhi G**, Mesgari M, Ghorbanihaghjo A and Rad JS. Effect of Cerebral Laterality on the Healing of Cutaneous Wounds in Normal and Split-brain Rats. *Neurosurgery Quarterly*. 2008 Dec; 18(4): 269-272.
- 52) **Shokouhi G**. Prognostic Value of Brain Shift in Epidural Hematoma. *Research Journal of Biological Sciences*.2008; 3 (2), 233-235.
- 53) Shakeri M, Ghabili K, Shakeri A, Tubbs RS, **Shokouhi G** and Shoja MA. Sacral Effusion Associated With a Chronic Frontal Subdural Hematoma Possible Distal Migration of the Cranial Subdural Hematoma. *Neurosurgery Quarterly*. 2008 Dec; 18(4): 290-1.
- 54) Shoja MM, Tubbs RS, Loukas M and **Shokouhi G**. The split flexor digitorum superficialis. *Ital J Anat Embryol*. 2008 Apr-Jun; 113(2):103-7.
- 55) **Shokouhi G**, Farhoudi M, Afrough A and Hamdi A. Prediction of Spontaneous Intracerebral Hemorrhages Outcome. *Research Journal of Biological Sciences*.2009; 4(1): 7-10.
- 56) Shoja MM, Tubbs RS, **Shokouhi G**, Loukas M, Ghabili K and Oakes WJ. The middle perforated substance of the diencephalon. *Ital J Anat Embryol*. 2008 Apr-Jun; 113(2):97-101.
- 57) Tubbs RS, Shoja MM, Ardalan MR, **Shokouhi G** and Loukas M. Hindbrain herniation: A review of embryological theories. *Ital J Anat Embryol*. 2008 Jan-Mar; 113(1):37-46.
- 58) Tubbs RS, Loukas M, Phantana-Angkool A, Shoja MM, Ardalan MR, **Shokouhi G** and Oakes WJ. Posterior distraction forces of

the posterior longitudinal ligament stratified according to vertebral level. *Surg Radiol Anat.* 2007 Dec; 29(8):667-70.

- 59) Tubbs RS, Shoja MM, **Shokouhi G**, Ashrafian F and Oakes WJ. Unusual origins of accessory pericallosal arteries in man: case report. *Surg Radiol Anat.* 2007 Jun; 29(4):313-5.
- 60) Tubbs RS, Shoja MM, Jamshidi M and **Shokouhi G**. Does the neuroprotective agent erythropoietin amplify diffuse axonal injury in its early stages? *Med Hypotheses.* 2007; 69(6):1385-6.
- 61) Tubbs RS, Shoja MM, **Shokouhi G**, Farahani RM, Loukas M and Oakes WJ. Simultaneous lateral and posterior ponticles resulting in the formation of a vertebral artery tunnel of the atlas: case report and review of the literature. *Folia Neuropathol.* 2007; 45(1):43-6.
- 62) **Shokouhi G**, Ghorbanihaghjo A, Mesgari M and Rashtchizadeh N. Potent Protective Effects of Isoproterenol Stimulating Secreted Melatonin on Experimental Spinal Cord Injury in Rat. *Neurosurgery Quarterly.* 2007; 17(4): 268- 272.
- 63) Shoja MM, Tubbs RS, Loukas M, **Shokouhi G** and Oakes WJ. A complex dural-venous variation in the posterior cranial fossa: a triplicate falx cerebelli and an aberrant venous sinus. *Folia Morphol (Warsz).* 2007 May; 66(2):148-51.
- 64) Tubbs RS, Shoja MM, **Shokouhi G**, Loukas M and Oakes WJ. Retrosplenic course of the transverse cervical artery with the suprascapular artery travelling through the suprascapular notch. *Folia Morphol (Warsz).* 2007 Feb; 66(1):80-2.
- 65) **Shokouhi G**, Tubbs RS and Shoja MM. Type I split cord malformation with a usual bony morphology. *Folia Morphol (Warsz).* 2007 Feb; 66(1):78-9.
- 66) Asghari M, **Shokouhi G**, Hasani SH and Poorisa M. Intracisternal Spinal Accessory Nerve Schwannoma. *Neurosurgery Quarterly.* 2006 Dec; 16(4), 205 – 206.
- 67) Khaki AA, **Shokouhi G**, Shoja MM, Farahani RM, Zarrintan S, Khaki A, Montazam H, Tanoomand A and Tubbs RS. Ansa cervicalis as a variant of spinal accessory nerve plexus: a case report. *Clin Anat.* 2006 Sep; 19(6):540-3.
- 68) Shoja MM, Tubbs RS, Khaki AA and **Shokouhi G**. A rare variation of the posterior cranial fossa: duplicated falx cerebelli,

- occipital venous sinus, and internal occipital crest. *Folia Morphol (Warsz)*. 2006 May; 65(2):171-3.
- 69) Shoja MM, Tubbs RS, Khaki AA, **Shokouhi G**, Farahani RM and Moein A. A rare variation of the vertebral artery. *Folia Morphol (Warsz)*. 2006 May; 65(2):167-70.
- 70) **Shokouhi G** and Naghili B. Spontaneous resolution of acquired tonsillar herniation caused by isolated cerebellar tonsil inflammation: case report. *Neurosurgery*. 2005 May; 56(5):E1158.
- 71) Khaki AA, Tubbs RS, Shoja MM, **Shokouhi G** and Farahani RM. A rare variation of the inferior alveolar artery with potential clinical consequences. *Folia Morphol (Warsz)*. 2005 Nov; 64(4):345-6.
- 72) Lotfinia I, **Shokouhi G**, Salehpoor F, Baboli S and Totonchi J. Evaluation of Cranialization technique in the treatment of frontal sinus fractures. *Medical Journal of the Islamic Republic of Iran (MJIRI)*. 2005; 19 (3); 231-236.
- 73) **Shokouhi G**, Hadidchi S, Ghorbanihaghjo A, Rahbani-Noubar M, Panahi S, Forouzanfar M, Rashtchizadeh N, Mesgari M. Neuroprotective effect of ascorbic acid in experimental blunt sciatic nerve injury in rats. *The Internet Journal of Nutrition and Wellness*. 2004; 1(2): 1-5.
- 74) Farzannia A, **Shokouhi G** and Hadidchi S. Alkaptonuria and lumbar disc herniation. Report of three cases. *J Neurosurg*. 2003 Jan; 98(1 Suppl):87-9.

Abstracts

- 75) Salehpoor F, **Shokouhi G**, Azar AK, Baradaran A, Mahdikhah A, Mirzaei F. The effects of citicoline on the level of consciousness, trend and plasma levels of malondialdehyde (MDA) and lipid profile in patients with head trauma suffering from “DAI (Diffuse Axonal Injury) with GCS \leq 8”. *Journal of Injury and Violence Research*. 2012; 4(3) suppl 1.
- 76) Shakeri M, Meshkini A, **Shokouhi G**, Asghari M, Salehpoor F, Mahdikhah A and Kazemipoorazar A. S100B protein as abiomarker for prediction of brain death following head trauma. *Journal of Injury and Violence Research*. 2012; 4 (3 Suppl 1).

- 77) **Shokouhi G**, Alimoradi A, Lotfinia I, Asgari M, Dagigi M and Pourisa M. Determination of the Lumbar True Space of Disc Herniation Based on MRI and Surgical Simple in Comparison With Standard Method of Radiography. *Journal of Ardabil University of Medical Sciences*. 2008; 8 (2): 156-162.
- 78) **Shokouhi G**, Asghari M and Farshidnia H. Evaluation of relation between body mass index (BMI) and workload with lumbar disc herniation. *Iranian Journal of Surgery*. 2007; 15 (3): 77-84.
- 79) Lotfinia I , Motlagh SP, **Shokouhi G** , Shakeri M , Safaeian A. Comparing of anterior cervical discectomy with and without fusion. *The Journal of Urmia University of Medical Sciences*. 2005; 16(1): 28-34.
- 80) Lotfinia I and **Shokouhi G**. Five-Year Study of Posterior Fossa Hematomas. *Medical Journal of Tabriz University of Medical Sciences*. 2004; 38 (62): 64-66.
- 81) Lotfinia I and **Shokouhi G**. Incidence and Types of Space Occupying Brain Lesions in Patients with Traumatic Coma. *Medical Journal of Tabriz University of Medical Sciences*. 2004; 38 (61): 52-54.
- 82) Panahi S, Shimia M, Asghari B, Lotfinia I, **Shokouhi G** and Shakeri M. A survey conducted on recurrent brain tumors in imam khomeini educational hospital. *Medical Journal of Tabriz University of Medical Sciences*. 2003; 59: 22-25.
- 83) **Shokouhi G**, Daghighi MH and Pourisa M. A study of 29 cases of brain intratumoral hemorrhage. *Medical Journal of Tabriz University of Medical Sciences*. 2002; 55: 43-47.
- 84) Farzania A, Asghari M, Shakeri M and **Shokouhi G**. Anterior cervical plating after corpectomy: a report of 60 cases. *Medical Journal of Tabriz University of Medical Sciences*. 2003; 59: 70-75.
- 85) **Shokouhi G**, Panahi S, Farzannia A, Asghari B and Asghari M. A hundred shunt revision operations. *Medical Journal of Tabriz University of Medical Sciences*. 2001; 35(50): 47-50.
- 86) Panahi S, Asghari B, **Shokouhi G** and Shakeri M. The study of patients with tumors of the sellar and parasellar area admits to department of neurosurgery imam khomeini hospital, TABRIZ. *Medical Journal of Tabriz University of Medical Sciences*. 2001; 35 (51): 25-28.

Publications (Farsi)

- ۱ - **غفار شکوهي** - محمد اصغري - حسن فرشيد نيا. بررسی ارتباط شاخص توده بدن و بار کاری با ایجاد هرنیاسیون دیسک های ناحیه لومبر. نشریه جراحی ایران: دوره ۱۵، شماره ۳، پائیز ۱۳۸۶.
- ۲ - **غفار شکوهي**، امیر ضیاءالدین علیمردی، ایرج لطفی نیا، محمد اصغري، محمد حسین دقیقی، مسعود پور عیسی. تعیین فضای صحیح هرني دیسکال لومبر بر اساس یافته های MRI و یافته های حین جراحی در مقایسه با روش استاندارد رادیوگرافی ساده. مجله پزشکی دانشگاه علوم پزشکی اردبیل: دوره هشتم، شماره دوم، تابستان ۱۳۸۷.
- ۲ - ایرج لطفی نیا - پرویز صمد مطلق - **غفار شکوهي** - مسلم شاکري - عبد الرسول صفائیان. مقایسه برداشتن دیسک قدیمی گردن با فیوژن و بدون آن. مجله دانشگاه علوم پزشکی ارومیه: سال ۱۶، شماره ۱، بهار ۱۳۸۴.
- ۳ - Iraj Lotfinia – **Ghaffar Shokouhi** – Firouz Salehpoor – Baboli - Jim Tatounguee. Evaluation Of Cranialization Technique In The Treatment Of Frontal Sinus Fractures. Medical Journal Of The Islamic Republic Of Iran.2005; 19(3): 231 – 236.
- ۴ - ایرج لطفی نیا - **غفار شکوهي**. بررسی پنج ساله هماتوم اپیدورال حفره خلفی. مجله دانشگاه علوم پزشکی تبریز: سال ۳۸، شماره ۶۲، تابستان ۱۳۸۳.
- ۵ - ایرج لطفی نیا - **غفار شکوهي**. شیوع و انواع ضایعات فضاگیر مغز در بیماران تروماتی دچار اغما. مجله دانشگاه علوم پزشکی تبریز: سال ۳۸، شماره ۶۱، بهار ۱۳۸۳.
- ۶ - **دکتر غفار شکوهي** - دکتر محمد حسین دقیقی - دکتر مسعود پور عیسی. بررسی ۲۹ مورد خونریزی داخل تومور مغزی. مجله دانشگاه علوم پزشکی تبریز: سال ۳۶، شماره ۵۵، پائیز ۱۳۸۱.
- ۷ - **دکتر غفار شکوهي** - دکتر اکبر فرزاد نیا - دکتر بهلول اصغري - دکتر محمد اصغري - دکتر سعید پناهی. بررسی صد مورد عمل جراحی بازبینی شنت مغزی. مجله دانشگاه علوم پزشکی تبریز: سال ۳۵، شماره ۵۰، تابستان ۱۳۸۰.
- ۸ - **دکتر غفار شکوهي**. بررسی نقش ویتامین E در پیش آگهی درمان بیماران مبتلا به ضربه مغزی شدید. نشریه جراحی ایران. سال ۹، شماره ۲۳، بهار ۱۳۸۰.
- ۹ - دکتر شیدا شعفی - دکتر هرمز آبرملو - دکتر مهناز طالبی - دکتر محمد یزدچی - **دکتر غفار شکوهي** - دکتر ایرج لطفی نیا. شیوع بیماری های مغز و اعصاب در منطقه شمالغرب تبریز در سال ۱۳۷۹. مجله دانشگاه علوم پزشکی تبریز: سال ۳۷، شماره ۵۹، پائیز ۱۳۸۲.
- ۱۰ - دکتر سعید پناهی - دکتر محمد شیمیا - دکتر بهلول اصغري - دکتر ایرج لطفی نیا - **دکتر غفار شکوهي** - دکتر مسلم شاکري. بررسی عود تومورهای مغزی در مرکز آموزشی و درمانی امام خمینی (ره) تبریز در سال های ۸۰ - ۱۳۷۱. مجله دانشگاه علوم پزشکی تبریز: سال ۳۷، شماره ۵۹، پائیز ۱۳۸۲.
- ۱۱ - دکتر سعید پناهی - دکتر بهلول اصغري - **دکتر غفار شکوهي** - دکتر مسلم شاکري. بررسی تومور های سلار و پاراسلار بستری شده در بخش جراحی مغز و اعصاب مرکز آموزشی و درمانی امام خمینی (ره) تبریز از سال ۷۸ - ۱۳۷۳. مجله دانشگاه علوم پزشکی تبریز: سال ۳۵، شماره ۵۱، پائیز ۱۳۸۰.
- ۱۲ - گزارش یک مورد دیاستماتومیلی با سیتوم استخوانی. دکتر سعید پناهی - **دکتر غفار شکوهي**. مجله دانشگاه علوم پزشکی تبریز: سال ۳۳، شماره ۴۴، زمستان ۱۳۷۸.

Invention

- **Invention of bookmark patch for finding incision place in spine and spinal cord surgeries by MRI**

Lectures and Presentations

- Ghaffar SHOKOUHI, R. Shane TUBBS, Mohammadali MOHAJEL SHOJA, W. Jerry OAKES. Department of Neurosurgery and Anatomy, Tabriz University of Medical Sciences, Tabriz, IRAN. Department of Cell Biology and Division of Pediatric Neurosurgery, University of Alabama at Birmingham, AL. Type I split cord malformation with an unusual bony morphology. 23rd Annual Meeting of the American Association of Clinical Anatomists July 11-15, 2006 Milwaukee, WI
- Ghaffar SHOKOUHI, R. Shane TUBBS, Mohammadali MOHAJEL SHOJA, A. ASHRAFIAN, W. Jerry OAKES. Unusual origins of pericallosal arteries: the first report of an association. Department of Neurosurgery and Anatomy, Tabriz University of Medical Sciences, Tabriz, IRAN. Department of Cell Biology and Division of Pediatric Neurosurgery, University of Alabama at Birmingham, AL. 23rd Annual Meeting of the American Association of Clinical Anatomists July 11-15, 2006 Milwaukee, WI
- MOHAJEL SHOJA, Mohammadali, R. Shane TUBBS, Ghaffar SHOKOUHI and W. Jerry OAKES. A systematic approach for review and publication of anatomical variations. Department of Neurosurgery and Anatomy, Tabriz University of Medical Sciences, Tabriz, IRAN. 17 Department of Cell Biology and Division of Pediatric Neurosurgery, University of Alabama at Birmingham, AL. 23rd Annual Meeting of the American Association of Clinical Anatomists July 11-15, 2006 Milwaukee, WI
- MOHAJEL SHOJA, Mohammadali, R. Shane TUBBS, Ghaffar SHOKOUHI, A. Ashrafian, and W. Jerry OAKES. An unusual duplication of the anterior communicating artery with atherosclerosis of the posterior horn: A microsurgical anatomy. Department of Neurosurgery and Anatomy, Tabriz University of Medical Sciences, Tabriz, IRAN. 23rd Annual Meeting of the American Association of Clinical Anatomists July 11-15, 2006 Milwaukee, WI

- MOHAJEL SHOJA, Mohammadali, R. Shane TUBBS, Ghaffar SHOKOUHI, and W. Jerry OAKES. Department of Neurosurgery and Anatomy, Tabriz University of Medical Sciences, Tabriz, IRAN. Department of Cell Biology and Division of Pediatric Neurosurgery, University of Alabama at Birmingham, AL. The lateral perforating substance of diencephalon. 23rd Annual Meeting of the American Association of Clinical Anatomists July 11-15, 2006 Milwaukee, WI.
- MOHAJEL SHOJA, Mohammadali, R. Shane TUBBS, Ghaffar SHOKOUHI, A. ASHRAFIAN, and W. Jerry OAKES. Department of Neurosurgery and Anatomy, Tabriz University of Medical Sciences, Tabriz, IRAN. Department of Cell Biology and Division of Pediatric Neurosurgery, University of Alabama at Birmingham, AL. A triple dural-venous variation in the posterior cranial fossa: A duplicated plus accessory falx cerebelli and an aberrant venous sinus. 23rd Annual Meeting of the American Association of Clinical Anatomists July 11-15, 2006 Milwaukee, WI
- Mahmoud Reza Miri Bonjar, Mojgan Behshid, Manoochehr Khoshbaten, Ghaffar Shokouhi, Seyed Yaghoob Fatollahi, Haleh Farzin, Neda Dolatkah and Mahnaz Naimi. Leading cause of mortality in elder patients who received at emergency department of hospitals in Tabriz University of Medical Sciences and health services. 16th International Conference on Safe Communities, Tehran, IRAN. 11-13 June, 2007.
- Ghaffar Shokouhi, Morteza Ghojazadeh. Comparison of evidence based journal club with traditional form in department of neurosurgery, Tabriz University of Medical Sciences. First International Conference of Evidence Based Medicine in Developing Countries. ۲۰-۲۳ April, 2010
- Ghaffar Shokouhi, Moslem Shakeri, Mohammad Asghari. Headache after VP shunting for normal pressure hydrocephalus. The seventh scientific annual meeting of the Iranian Pain Society. May 3 -4, 2007, Tabriz, Iran.
- Firouz Salehpour, Akbar Farzania, Ali Meshkini, Ghaffar Shokouhi, Moslem Shakeri. Vascular decompression in trigeminal neuralgia. The seventh scientific annual meeting of the Iranian Pain Society. May 3 -4, 2007, Tabriz, Iran.

- Bahlool Asghari, Ghaffar Shokouhi, Firouz Salehpour, Ali Meshkini, Mohammad Asghari. Results of surgical treatment for headache of cervical syringomyelia. Moslem Shakeri, The seventh scientific annual meeting of the Iranian Pain Society. May 3 -4, 2007, Tabriz, Iran.
- Ghaffar Shokouhi and Mohammad asghari .Neuroradiology educational program for medical students. Seminar of new educational methods in anatomical sciences. Tabriz; May, 2009.
- Peyman Vahedi, Firooz Salehpour, Iraj Lotfinia, Mohammad Asghari, Moslem Shakeri, Ghaffar Shokouhi, Mohammad Shimia, Ali Meshkini, Parviz Samad Motlagh. Operative Nuances in the retrosigmoid approach to the tumors of cerebellopontine angle. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN
- Yazdan Dokht Ghaffari, Mohammad Shimia, Firooz Salehpour, Javad Aghazade, Iraj Lotfinia, Ghaffar Shokouhi, Moslem Shakeri, Ali Meshkini, Parviz Samad Motlagh. Analgesic efficacy of diclofenac in reducing the total dose of morphin and its adverse effect after lumbar disc surgery. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN
- Firooz Salehpour, Javad Aghazade, Moslem Shakeri, Ghaffar Shokouhi, Atta Mahdkhah, Reza Rikhtegar Farhad Mirzaii and Parviz Samad Motlagh. Risk of recurrence of cerebral venous and sinus thrombosis during pregnancy and puerperium. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN
- Firooz Salehpour, Moslem Shakeri, Javad Aghazade, Iraj Lotfinia, Ghaffar Shokouhi, Atta Mahdkhah, Farhad Mirzaii and Parviz Samad Motlagh. Diffuse axonal injury-associated traumatic brain injury. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN
- Moslem Shakeri, Ghaffar Shokouhi, Firooz Salehpour, Javad Aghazade, Mohammad asghari and Atta Mahdkhah. Familial colloid cyst of the third ventricle in non-twin sisters: Case report, review of literature, controversies and screening strategies. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN

- Firooz Salehpour, Moslem Shakeri, Ghaffar Shokouhi, Atta Mahdkhah and Farhad Mirzaii. Cerebral Echinococcosis in the children and young adults. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN
- Bahloul Asghari, Firooz Salehpour, Moslem Shakeri, Ghaffar Shokouhi, Javad Aghazade, Mohammad Asghari , Atta Mahdkhah, Farhad Mirzaii and Parviz Samad Motlagh. In supratentorial low-grade gliomas involving eloquent structures. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN
- Moslem Shakeri, Firooz Salehpour, Ghaffar Shokouhi, Javad Aghazade, Iraj Lotfinia, Atta Mahdkhah, Farhad Mirzaii and Parviz Samad Motlagh. Prevalence of abdominal aortic aneurysm by magnetic resonance images (MRI) in men over 50 years with low back pain. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN
- Firooz Salehpour, Javad Aghazade, Iraj Lotfinia, Ghaffar Shokouhi, Moslem Shakeri, Atta Mahdkhah, Mohammad Taghi Imani and Farhad Mirzaii. Transsphenoidal surgical decompression in pituitary apoplexy: clinical experience with 55 patients. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN
- Firooz Salehpour, Javad Aghazade, Iraj Lotfinia, Ghaffar Shokouhi, Mohammad Asghari , Moslem Shakeri, Ali Meshkini, Atta Mahdkhah, Mohammad Taghi Imani, Farhad Mirzaii and Parviz Samad Motlagh. Intraspinial extradural arachnoid cysts: A Case report. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN
- Firooz Salehpour, Javad Aghazade, Iraj Lotfinia, Ghaffar Shokouhi, Moslem Shakeri, Atta Mahdkhah, Mohammad Taghi Imani, Reza Pezeshkan and Mohammad Asghari. Persistent /Recurrent syringomyelia after chiari decompression natural history and management strategies: A systematic review. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN
- Mohammad Asghari, Ali Meshkini, Firooz Salehpour, Javad Aghazade, Moslem Shakeri, Ghaffar Shokouhi, Nayer EBRAHIMI, Nasrin Pourhajshokr, Amir Mohammad Bazzazi. Investigation of the effect cerebrolysin on patients with head trauma and diffuse axonal

injury. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN

- Firooz Salehpour, Ghaffar Shokouhi, Ali Baradaran, Aydin Kazempour azar, Atta Mahdkhah, Somayeh Sorouaddin. The effect of citicoline on the plasma level of malon di aldehyde (MDA) in patients suffering traumatic brain injury with $GCS \leq 8$ and DAI diagnosis. The International Congress of Iranian Neurosurgeons. 10-12 October 2014- Tabriz – IRAN

Journal editorial board positions:

- Editorial board member and section editor of Journal of Experimental and Clinical Neurosciences.
<http://www.jecns.com/JECNS/pages/view/editorialboard>
- Consultant of editorial board. Medical journal of Tabria University of Medical Sciences and Health Services.

Thesis Supervision

- Adjacent segment disorder after the fusion of fractured lumbar vertebra
My position: Supervisor.
Level: Specialty (Neurosurgery) 2013-present
- Effects of Silymarin , quercetin and hesperidin on anxiety- and depression-like behaviors induced by traumatic brain injury in mice
My position: supervisor
Level: PhD by research 2015-present
- Hospital deaths in traffic injuries and determine predictors survival in patient with traffic injury in East Azarbayjan
My position: Consultant
Level: Master of Epidemiology 2014-present
- Effects of Alendronate on the postoperative fusion of lumbar traumatic patients.
My position: Consultant
Level: Specialty (Neurosurgery) 2012-2014
- Relationships between Serum Osteoprotegerin /sRANKL Ratio and head trauma intensity.
My position: Supervisor.
Level: Specialty (Neurosurgery) 2010-2013

- Effects of citicoline on the level of consciousness, trend and plasma levels of Fetuin –A & MGP in patients with head trauma suffering from “DAI (Diffuse Axonal Injury)&GCS≤8”
My position: Supervisor
Level: MD 2011-2013
- Five year Evaluation of trans-sphenoidal microsurgery for pituitary adenoma in Tabriz Imam Reza hospital.
My position: Consultant
Level: MD 2013-2014
- Effectiveness of low level laser therapy on the post-operative pain in the patients with lumbar disk herniation.
My position: Consultant
Level: Specialty (Neurosurgery) 2010-2013
- The incidence of infectious and non infectious fever in patients with traumatic brain injury.
My position: Supervisor
Level: MD 2010-2012
- The anatomical relationship between the chiasma and surrounding structures and prefixed chiasma in the dissected patients in Tabriz legal medicine center.
My position: Supervisor
Level: MD 2011-2012
- Comparison of postoperative kyphosis in patients with thoracolumbar fractures with and without pedicular screw in collapsed vertebrae.
My position: Supervisor
Level: MD 2010-2012
- The effects of citicoline on the consciousness trend and plasma levels of malon di-aldehyde (MDA) & lipid profile in patients with head trauma suffering from “DAI (Diffuse Axonal Injury)&GCS≤8”.
My position: Supervisor.
Level: Specialty (Neurosurgery) 2007-2010
- Effect of progesteron administration on prognosis of patients with diffuse axonal injury due to severe head injury
My position: Consultant
Level: MD 2010-2011
- Relation of the depth of skull depressed fracture with dural shearing.
My position: Supervisor
Level: MD 2009-2011
- Craniofacial trauma in association with brain and cervical spine injury
My position: Supervisor

Level: MD 2009-2011

- Diagnostic value of Magnetic Resonance Imaging (MRI) in brucella spondylitis compare to clinical and laboratory findings.
My position: Consultant
Level: Specialty (Radiology) 2008-2011
- Accuracy of marker placement by magnetic resonance imaging in the determination of the Incision site in lumbar disk surgeries.
My position: Supervisor
Level: MD 2008-2010
- Comparison of spinal cord markers on Magnetic Resonance Imaging (MRI) with surgical findings for accurate detection of intracranial space occupying lesions.
My position: Consultant
Level: Specialty (Radiology) 2008-2011
- Correlation between the size of traumatic acute subdural hematoma on primary CT scanning with patients' Glasgow Coma Scale (GCS) on admission
My position: Supervisor.
Level: MD 2008-2009
- Study of relation between magnetic resonance imaging (MRI) and pathologic findings in glial tumors.
My position: Supervisor.
Level: MD 2007-2008
- Evaluation of prognostic factors in supratentorial intracerebral hemorrhages candidate for surgical intervention.
My position: Supervisor.
Level: MD 2007-2008
- Diagnostic value of supratentorial meningiomas magnetic resonance imaging (MRI) in tumor consistency detection.
My position: Supervisor.
Level: MD 2006-2007
- Study of visuospatial abilities of the children operated for myelomeningocele
My position: Supervisor.
Level: MD 2005-2007
- Study of midline occupying lesions of brain with fetal origin in patients admitted in neurosurgery ward of Tabriz Imam hospital.
My position: Supervisor
Level: MD 2002-2004
- Evaluation of correlation between clinical findings and lumbar and thoracolumbar canal stenosis due to burst fracture.

My position: Supervisor.
Level: MD 2007-2009

- Evaluation of visuspatial abilities of the patients operated for myelomeningocele.
My position: Supervisor.
Level: MD 2005-2007
- Determination of the lumbar true space of disc herniation based on MRI and surgical findings in comparison with standard method of radiography.
My position: Supervisor.
Level: Specialty (Neurosurgery) 2005-2007
- Cerebral laterality and its immunoendocrin correlate following unilateral brain ischemia – reperfusion injury.
My position: Supervisor.
Level: MD 2005-2007
- Evaluation of relation between admit time consciousness and maximum diameter of hematoma and midline shift in patients with epidural hematoma admitted to department of trauma
My position: Supervisor.
Level: MD 2005-2007
- Evaluation of occupational risk factors in causing lumbar disk herniation
My position: Supervisor.
Level: MD 2005-2007
- Antioxidant effect of intraperitoneally administered vitamin C on lipid peroxidation in experimental traumatic sciatic nerve injury in rat.
My position: Supervisor
Level: Specialty (Neurosurgery) 2003-2005
- Study of Encephalocele in patients admitted in neurosurgery department of Imam Khomeini hospital.
My position: Supervisor
Level: MD 2003-2005
- Study on fractures of frontal and orbital rim in traumatic patients of Imam hospital.
My position: Supervisor
Level: MD 2002-2004
- Assessment of the midline defects in brain and spinal cord.
My position: Supervisor
Level: MD 2002-2004
- Comparing the results of CT scan, MRI and lumbar spine surgery findings.
My position: Consultant

Level: MD 2002-2004

- Study of frontal lobe syndrome in tumors of frontal lobe.
My position: Supervisor
Level: MD 2002-2004
- Comparison of spinal cord markers on Magnetic Resonance Imaging (MRI) with surgical findings for accurate detection of intracranial space occupying lesions.
My position: Consultant
Level: Specialty (Radiology) 2002-2004

Research Projects

- Comparison the effects of citicoline on the level of consciousness, trend and plasma levels of Fetuin –A & MGP in patients with head trauma suffering from “DAI (Diffuse Axonal Injury)&GCS \leq 8”
(Supervisor)
Neuroscience Research Center
- Relationships between Serum Osteoprotegerin /sRANKL Ratio and head trauma intensity.
(Supervisor)
Biotechnology Research Center
- Assessment of the accuracy of marker placement by magnetic resonance imaging in determining the dissection site in lumbar disc surgeries.
(Supervisor)
Neuroscience Research Center
- Effects of Silymarin , Quercetin and Hesperidin on anxiety- and depression-like behaviors induced by traumatic brain injury in mice
(Supervisor)
Drug Applied Research Center
- The effects of citicoline on the level of consciousness, trend and plasma levels of malon dialdehyde (MDA) & lipid profile in patients with head trauma suffering from “DAI (Diffuse Axonal Injury)&GCS \leq 8”.
(Supervisor)
Drug Applied Research Center
- Influence of vitalistic view of Bichat in the foundation and transformation of anatomy and histology in 18th and 19th century AD.
(Supervisor)
Neuroscience Research Center

- Histological and clinical study of the effect of cerebral laterality on the healing of cutaneous wounds in normal and split-brain rats.
(Supervisor)
Drug Applied Research Center
- Antioxidant effect of melatonin hypersecretion due to serotonin NAT enzyme stimulation, in experimental spinal cord injury in rat.
(Supervisor)
Drug Applied Research Center
- Antioxidant effect of intraperitoneally administered melatonin on lipid peroxidation in experimental traumatic sciatic nerve injury in rat.
(Supervisor)
Drug Applied Research Center
- Herbs Used for Treatment of C.V.A in the Iranian-Islamic Traditional Medicine
(Supervisor)
Neuroscience Research Center
- Effect of regular exercise on paraoxonase and arylesterase during age increment in male rat.
(Supervisor)
Drug Applied Research Center
- Effect of regular exercise on spinal cord and sciatic nerve oxidative stress and apoptosis during age increment in male rat.
(Supervisor)
Drug Applied Research Center
- Antioxidant effect of intraperitoneally administered vitamin C on lipid peroxidation in experimental traumatic sciatic nerve injury in rat.
(Supervisor)
Drug Applied Research Center
- Evaluation of nervous system dissection based on critics of Ibn-nafisin greek and Sina' dissection.
(Supervisor)
Neuroscience Research Center
- Differential neurogenesis following regional brain ischemia in rabbits.
(Main colleague)
Tuberculosis and Lung Disease Research Center