

## Curriculum Vitae (CV), October 2017



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### ***Education:***

1. General Medicine, TUOMS, Tabriz, IRAN, 1987 –1994.
2. Board certified in Neurology, Imam Medical Center, TUOMS, Tabriz, IRAN, 1994 – 1998.
3. Transcranial Doppler study of cerebral arteries & Carotid Duplex, 6-month course, Alzahra Medical Center, Isfahan University of Medical Sciences, Isfahan, IRAN, 2001.
4. Stroke fellowship, 3 months course, Cerrahpasa Medical Faculty, Istanbul University, Istanbul, TURKEY, 2012.

### ***Positions:***

1. Professor of Neurology, Imam REZA Medical Center, Neurology Department, Faculty of Medicine, TUOMS, Tabriz, IRAN.
2. Director, Neurosciences Research Center (NSRC), TUOMS.
3. Head of Neurosciences Department, Advanced Faculty of Medicine, TUOMS.
4. Manager, Doppler Unit of Neurology Department, TUOMS.
5. Head of stroke team in NSRC & Neurology Department, TUOMS.

6. Member of National Iranian Stroke Committee
7. World Stroke Organization (WSO) Board of Directors, Individual member presenting Sub-Saharan Africa, Middle East/ East Mediterranean, 2014 – 2018.
8. Funding Chief Editor: Experimental and Clinical Neurosciences (JECNS) Journal.
9. Member of Iranian National Health Research Institute
10. Board Member of National Neurosciences and Cognitive Sciences Committee
11. National Coordinator of SITS-Most.

***Practice:***

1. Working as general neurologist, 1998– 2000 in Sina hospital, Tabriz University of Medical Science, Maragheh, IRAN.
2. Working as general neurologist with special tendency to cerebrovascular disease and transcranial Doppler, from 2001 until now in University Hospitals of Imam REZA & Imam Khomeini, Tabriz University of Medical Science, Tabriz, IRAN.
3. Research Assistant of Neurology Department, 2001-2007.
4. Head of Neurological Sciences Team, 2004-2007.
5. Deputy for Research, Faculty of Medicine, 2007-2010.
6. Manager of Vice Chancellor for Research, Tabriz University of Medical Sciences, 2014-2015.

***Teaching Experiences:***

1. Medical students, Faculty of Medicine, Tabriz University of Medical sciences, Tabriz, IRAN, since 2001 until now.
2. Neurology residents, Tabriz University of Medical Sciences, Tabriz, IRAN, since 2001 until now.
3. Rehabilitation students, Faculty of Rehabilitation, Tabriz University of Medical sciences, Tabriz, IRAN, since 2003 until now.

### ***Professional experiences:***

1. Implementation of Transcranial Doppler in Imam Medical Center, 2001, annually about 400 cases.
2. Implementation of Neurosciences Research Center (NSRC) in Imam REZA Medical Center, TUOMS, 2007.
3. Implementation of IV thrombolysis in acute ischemic stroke in Imam REZA Medical Center with close cooperation of our stroke team, TUOMS, 2011.

### **Member of societies or associations:**

Iranian Neurology Association, since 2000.

East Azarbayjan Multiple Sclerosis Society, since 2004.

World Stroke Organization, since 2009.

### ***Presentations:***

#### **A. Cerebrovascular related:**

1. **Farhoudi M**, Ayromlou H, Farahani M. Transcranial Doppler sonography and brain stem auditory evoked potentials study in 42 patients with vertebrobasilar insufficiency. **The 9<sup>th</sup> Iranian congress of Neurology and clinical Electrophysiology**, Tehran, IRAN, 28-31 May 2002.
2. **Farhoudi M**, Afrasiabi A, Tarzamni MK, Khoshnam M. Transcranial and carotid Doppler study in coronary artery bypass graft patients. **The 10<sup>th</sup> Iranian congress of Neurology and clinical Electrophysiology**. Tehran, IRAN, 27-30 May 2003.
3. **Farhoudi M**. Epilepsy & Post Epilepsy stroke. **Second Epilepsy Seminar**, Tehran, IRAN, 2004.
4. **Farhoudi M**, Aslanabadi N, Rasibaghmishe N. Assessment of cerebral hemodynamic in hyperchlolemlia. **11<sup>th</sup> International Congress of Neurology and Clinical Electrophysiology**, Tehran, IRAN, 2004.
5. **Farhoudi M**. Ghannadi Imami KH. Correlation of Transcranial Doppler and Carotid Duplex Results. **12<sup>th</sup> International Congress of Neurology and Clinical Electrophysiology**. Tehran, IRAN, 2005; 26-29 April.

6. *Farhoudi M*, Khamnei S, Etbari F. Assessment of cardiac response to stimulation of carotid baroreceptors in patients with multiple sclerosis, **International congress on Multiple Sclerosis**, Tehran, IRAN, 20 November 2005.
7. *Farhoudi M*, Zeinali A, Agajanloo M, Asgari M. Cerebral vasospasm in diffuse axonal injury patients, Abstract book of **9th International conference on cerebral vasospasm**, June 2006.
8. *Farhoudi M*, Parvizi R, Bilajani I, Mehrvar K, Safaiyan A. A study about correlation of neurologic complications of coronary artery bypass graft surgery with cerebrovascular hemodynamic state. **13th International Congress of Neurology and Clinical Electrophysiology**. Tehran, IRAN, 2006; 5-8.
9. *Farhoudi M*, Khandaghi R, Nikanfar M, Sharifi Y, Ahmadi M. Correlation of oral contraceptive use and stroke in West-North of Iran, **14th International Congress of Neurology and Clinical Electrophysiology**. May 2007;Tehran, Iran.
10. *Farhoudi M*, Mehrvar K, Parvizi R, Tarzamni MK, Safaeyan A. Correlation of cognitive complications with carotid and intracranial Doppler findings in selected coronary artery bypass patients, **14th International Congress of Neurology and Clinical Electrophysiology**. May 2007;Tehran, Iran.
11. Savadi-Oskouei D, *Farhoudi M*, Barghi H. The effect of BMI on ischemic stroke prognosis. **3rd Iranian stroke congress**, July 2010; Tehran, Iran.
12. *Farhoudi M*, Soleimanpour H, Sadeghi E, Rajaei R, Mostafaei S, Najadi M, Ghasemi Z, Asadzadeh F, Bolouriyani F, Pourkhanjar P, Mehdizadeh R, Mohammadian R. An analytical study on stroke patients presenting to emergency department of Tabriz university of Medical sciences – First report. **3rd Iranian stroke congress**, July 2010; Tehran, Iran.
13. Mohammadian R, *Farhoudi M*, Harirriani S, Naebi A, Mehrvar K. Treatment of selected cases of acute ischemic stroke with internal thrombolysis and intracranial stenting, **3rd Iranian stroke congress**. July 2010; Tehran, Iran.
14. *Farhoudi M*, Sadreddini S, Pashapour A, Altafi D, Ardalan M, Nayebpour M, Sadeghi H. Effect of intravenous erythropoietin on functional status in putaminal hemorrhage: a randomized clinical trial. **7th world stroke congress**, October 2010; Seoul, South Korea.
15. Mehrvar K, *Farhoudi M*, Parvizi R, Bilajani I, Safaiyan A. A study about correlation of neurologic complications of coronary artery bypass graft surgery with cerebrovascular hemodynamic state. **18th Iranian Neurology and Clinical Electrophysiology Congress**, June 2011; Tehran, Iran.

16. Hashemilar M, **Farhoudi M**, Nikanfar M, Savadi D, Shaafi Sh, Hosseini S. Study of Microembolic signal frequency in patients with middle cerebral artery territory ischemic stroke treated with aspirin. **18th Iranian Neurology and Clinical Electrophysiology Congress**, June 2011; Tehran, Iran.
17. **Farhoudi M**, Sadeghi E, Soleimanpour H, , Mostafaei S, Sharifipour E, Najafi M, Ghasemi Z, Asadzadeh F, Rajaei R. Evaluating rate of acute ischemic stroke patients who are eligible for intravenous thrombolytic therapy in northwest Iran and its limitations. **18th Iranian Neurology and Clinical Electrophysiology Congress**, June 2011; Tehran, Iran.
18. **Farhoudi M**, Mehrvar K, Parvizi R, Bilajani I, Safaiyan A. Correlation of cognitive complications with Doppler findings in selected coronary artery bypass graft patients. **16th Iranian Neurology and Clinical Electrophysiology Congress**, June 2011; Tehran, Iran.
19. **Farhoudi M**, Mohammadian R. TCD findings in carotid stenosis. **The first international congress of neurosonology & cerebral hemodynamic**. March 2011; Tehran, Iran.
20. **Farhoudi M**. Stroke Epidemiology and it worldwide importance. **National Symposium of Neuroscience**. Feb 2011; Gholetan, Iran.
21. **Farhoudi M**, Charsouei S, Ahmadi M. Correlation of stroke occurrence with oral contraceptive pills consumption within North-west of Iran. **19th European stroke conference**, May 2011; Barcelona, Spain.
22. **Farhoudi M**, Pashapour A, Ladan AK, Mostafaie S, Sharifipour E, Sadeghi-Hokmabad E. Study on epidemiology and risk factors of ischemic and hemorrhagic stroke in Northwest Iran. **20th European stroke conference**, May 2011; Hamburg, Germany.
23. Sharifipour, Taheraghdam A, **Farhoudi M**, Pashapour A, Sadeghi-Hokmabadi E, Mostafaie S, Houshmandzad S. Effect of allopurinol in ischaemic stroke prognosis. **20th European stroke conference**, May 2011; Hamburg, Germany.
24. Sadeghi-Hokmabadi E, Soleimanpour H, **Farhoudi M**, Mostafaei S, Rajaei R, Sharifipour E, Asadzadeh F, Najafi M, Ghasemi Z. Evaluating rate of acute ischemic stroke patients who are eligible for intravenous thrombolytic therapy in northwest Iran and its limitations. **20th European stroke conference**, May 2011; Hamburg, Germany.
25. **Farhoudi M**, Mehrvar K, Taheraghdam A, Hashmilar M, Sadeghi-Hokmabadi E, Ataloo A, Uludüz D, Delil S, Göksan B, Ince B. Thrombolysis in Acute Ischemic Stroke: Results of Tabriz and Istanbul Stroke Centers. **6<sup>th</sup> Turkish National Cerebrovascular Congress**, May 2012 Eskisehir, Turkey.
26. **Farhoudi M**, Mehrvar K, Taheraghdam A, Hashemilar M, Sadeghi-Hokmabadi E, Ataloo A, Benbir G, Ince B. Cardiac Risk Factors in Ischemic Stroke Patients in Turkey And Iran. **6<sup>th</sup> Turkish National Cerebrovascular Congress**, May 2012 Eskisehir, Turkey.

27. MNF Ghalichi, *M Farhoudi*. Computational simulation of Hemodynamics in the Circle of Willis; validation by in vivo observation in an anatomically accurate cerebral arteries model, **6th national & first international Iranian stroke congress**, Nov 2013, Tabriz, Iran.
28. *M Farhoudi*. Safety and efficacy of Intravenous tissue plasminogen activator (tPA) in Ischemic stroke patients, a single-center's 30 months experience (Tabriz Thrombolytic Therapy in Acute Ischemic Stroke, T3AIS, report). **6th national & first international Iranian stroke congress** Nov 2013, Tabriz, Iran.
29. MNF Ghalichi, *M Farhoudi*. Computational modeling to quantifying circle of Willis hemodynamics based on in vivo observation. **6th national & first international Iranian stroke congress** Nov 2013, Tabriz, Iran.
30. E Sadeghi-Hokmabadi, *M Farhoudi*, D Savadi Oskooei, M Hashemilar, M Yazdchi Marandi, K Mehrvar, A Taheraghdam, E Shrifipoor, R Rikhtegar Ghiasi, P Yoohanaei, H Aliyar, H Aliasgharpour, E Mebdizadeh, M Poorlran, M Mohseni. Effect of simple quality improvement interventions on the rate of Intravenous (IV) thrombolysis in stroke patients: a single center experience. **Cerebrovascular Diseases**, 2015, 39, 34.
31. K Mehrvar, M Aboutalebi, M Rezaei, H Kavandi, O Ebrahimi, A Aslanabadi, *M Farhoudi*. Epidemiology of Stroke, Subtypes and Risk Factors in Northwestern Iran, a Five Year Retrospective Study. **Cerebrovascular Diseases**, 2015, 39, 167.
32. A Majdi, K Mehrvar, N Parnianfard, M Aboutalebi, MH Mokhtareh, S Vaferi, A Aghili, *M Farhoudi*. Hypertension as a significant risk factor for hemorrhagic stroke in northwest Iran. **Cerebrovascular Diseases**, 2015, 39, 208-208.
33. M Hashemilar, *M Farhoudi*, K Mehrvar, E Sadeghi-Hokmabadi, E Sharifipour, M Daghighi, J Rashid, A Ala, P Moharramzadeh, R Hassasi, Kh Gharnoosh, M Panahali, R Asadi, S Fallah, Y Ahamdi. What Are the Most Common Contraindications for Intravenous Thrombolysis When t-PA Code is being Activated for Acute Stroke Patients in less than 3 hours?-T3AIS study. **Cerebrovascular Diseases**, 2015, 39, 35.
34. *M Farhoudi*, D Savadi, E Sharifipour, K Mehrvar, E Sadeghi-Hokmabadi, M Hashemilar, R Hassasi, H Soleimani, S Ghasanfari, A Partovi, Gh Borji, M Farzi, M Hadavi, S Rasoolzadeh, S Hasaneh. Thrombolysis with Intravenous recombinant Tissue Plasminogen Activator (IV rTPA) of acute Stroke Patients: Feasibility and Safety at a tertiary referral center in Northwest of Iran. **Cerebrovascular Diseases**, 2015 39, 36.
35. M Aboutalebi, A Aslanabadi, K Mehrvar, N Parnianfard, A Majdi, M Rezaei, H Ahmadi, *M Farhoudi*. Ischemic Stroke and Ejection Fraction Index; an Epidemiologic Survey from 2008 to 2013. 2015, **Cerebrovascular Diseases**, 2015, 39, 167.

36. **M Farhodi**, K Mehrvar, M Aboutalebi. Review of Stroke Epidemiology in Iran. **Cerebrovascular Diseases**, 2015, 40, 7.
37. H Mehrad, **M Farhodi**. Investigation of protoporphyrin IX-mediated sonodynamic therapy on intermediate stage atherosclerosis using a new computerized B-mode ultrasound analyzing method. **Atherosclerosis**, 2016, 252, e192.
38. H Mehrad, **M Farhodi**. Effect of intravenous administration of albumin-coated microbubbles on hemodynamic parameters in the stenotic region of carotid artery using color doppler ultrasonography. **International Journal of Stroke**, 2016, 11 (SUPP 3), 105-105.
39. M Mehrpour, B Zamani, M Harirchian, R Gheini, A Ghorbani, F Amiri, **M Farhodi**. Iranian national stroke program; 724 hospital design. **International Journal of Stroke**, 2016, 11 (SUPP 3), 265.
40. **M Farhodi**, B Zamani, M Mehrpour, M Harirchian, F Amiri, A Ghorbani, M Gheini, D Savadi Oskoui, A Taheraghdam, E Sadeghi-Hokmabad, K Mehrvar, E Sharifipour, M Hasemilar, R Rikhtegar, R Mohammadian, K Ghandhari, B Mansouri, A Borhanhaghghi, M Yazdchi, F Khorvash, M Ahrabi, M Saadatnia, M Khazaei, E Mehdizadehfar, S Hasanetamar, R Asadi. Situation of stroke thrombolytic therapy in iran. **International Journal of Stroke**, 2016, 11 (SUPP 3), 84.
41. K Mehrvar, M Abutalebi, E Sadeghi-Hokmabad, RR Ghiasi, **M Farhodi**. Stroke mortality rate in north-west of iran (2008-2013). **International Journal of Stroke**, 2016, 11 (SUPP 3), 215.
42. H Mehrad, **M Farhodi**. Ultrasound-guided low level focused ultrasound sonodynamic therapy of intimal hyperplasia in the rabbit carotid artery accompanied by intravenous protoporphyrin-ix administration. **International Journal of Stroke**, 2016, 11 (SUPP 3), 252.
43. H Mehrad, **M Farhodi**, E Sharifipour, B Mahvi. Development Of An Atherothrombotic Occlusion In The Rabbit Carotid Artery: Accessed By New Computerized B-Mode Ultrasound Image Processing Technology And Histopathology. **Advances in Bioscience and Clinical Medicine**, 2017, 59.
44. **M Farhodi**. Patient Selection For Acute Stroke Intravenous Thrombolysis. **Advances in Bioscience and Clinical Medicine**, 2017, 50.
45. Zamanlu M, **Farhodi M**, Eskandani M, Mahmoudi J, Barar J, Rafi M, et al. Recent advances in targeted delivery of tissue plasminogen activator for enhanced thrombolysis in ischaemic stroke. **Journal of drug targeting**. 2018;26(2):95-109.

46. Zamanlu M, Eskandani M, Mohammadian R, Entekhabi N, Rafi M, **Farhoudi M**. Spectrophotometric analysis of thrombolytic activity: SATA assay. **BioImpacts**. 2018;8(1):31-8.
47. Zamanlu M, Eskandani M, Barar J, Jaymand M, Pakchin PS, **Farhoudi M**. Enhanced thrombolysis using tissue plasminogen activator (tPA)-loaded PEGylated PLGA nanoparticles for ischemic stroke. **J Drug Deliv Sci Technol**. 2019;53.
48. Vosoughi A, Sadigh-Eteghad S, Ghorbani M, Shahmorad S, Farhoudi M, Rafi MA, et al. Mathematical Models to Shed Light on Amyloid-Beta and Tau Protein Dependent Pathologies in Alzheimer's Disease. **Neuroscience**. 2020;424:45-57.
49. Vahdati SS, **Farhoudi M**, Cicek M, Salehi M, Jalilian R, Hojjatpanah H. The full outline of unresponsiveness score is more efficient than the glasgow coma scale in the prognosis of stroke. **Marmara Med J**. 2019;32(3):97-101.
50. Shahsavarinia K, Shahsavarinia K, Ghavam Laleh Y, Ghavam Laleh Y, Moharramzadeh P, Pouraghaei M, et al. The predictive value of red cell distribution width for stroke severity and outcome. **BMC Research Notes**. 2020;13(1).
51. Shaafi S, Ebrahimpour-Koujan S, Khalili M, Shamshirgaran SM, Hashemilar M, Taheraghdam A, et al. Effects of alpha lipoic acid supplementation on serum levels of oxidative stress, inflammatory markers and clinical prognosis among acute ischemic stroke patients: A randomized, double blind, TNS trial. **Advanced Pharmaceutical Bulletin**. 2020;10(2):284-9.
52. Salehpour F, Farajdokht F, Mahmoudi J, Erfani M, **Farhoudi M**, Karimi P, et al. Photobiomodulation and coenzyme Q<sub>10</sub> treatments attenuate cognitive impairment associated with model of transient global brain ischemia in artificially aged mice. **Front Cell Neurosci**. 2019;13:1-17.
53. Sadigh-Eteghad S, Geranmayeh MH, Majdi A, Salehpour F, Mahmoudi J, **Farhoudi M**. Intranasal cerebrolysin improves cognitive function and structural synaptic plasticity in photothrombotic mouse model of medial prefrontal cortex ischemia. **Neuropeptides**. 2018;71:61-9.
54. Sadeghpour Y, Taheraghdam A, Khalili M, Hashemilar M, Sadeghi Hokmabadi E, Shaafi S, et al. Whey protein plus lipoic acid supplementation improves inflammatory and antioxidant



markers of patients with acute ischemic stroke: A double-blind, randomized controlled clinical trial. **Nutrition and Food Science**. 2020.

55. Sadeghi-Hokmabadi E, **Farhoudi M**, Taheraghdam A, Rikhtegar R, Ghafouri RR, Asadi R, et al. Prehospital notification can effectively reduce in-hospital delay for thrombolysis in acute stroke. **Futur Neurol**. 2018;13(1):5-11.
56. Sadaie MR, **Farhoudi M**, Zamanlu M, Aghamohammadzadeh N, Amouzegar A, Rosenbaum RE, et al. What does the research say about androgen use and cerebrovascular events? **Ther Adv Drug Saf**. 2018;9(8):439-55.
57. Ohara T, **Farhoudi M**, Bang OY, Koga M, Demchuk AM. The emerging value of serum D-dimer measurement in the work-up and management of ischemic stroke. **International Journal of Stroke**. 2020;15(2):122-31.
58. Nasrolahi A, Safari F, **Farhoudi M**, Khosravi A, Farajdokht F, Bastaminejad S, et al. Immune system and new avenues in Parkinson's disease research and treatment. **Rev Neurosci**. 2019.
59. Nasrolahi A, Mahmoudi J, Karimipour M, Akbarzadeh A, Sadigh-Eteghad S, Salehi R, et al. Effect of cerebral dopamine neurotrophic factor on endogenous neural progenitor cell migration in a rat model of Parkinson's disease. **Excli J**. 2019;18.
60. Nasrolahi A, Mahmoudi J, Akbarzadeh A, Karimipour M, Sadigh-Eteghad S, Salehi R, et al. Neurotrophic factors hold promise for the future of Parkinson's disease treatment: Is there a light at the end of the tunnel? **Rev Neurosci**. 2018;29(5):475-89.
61. Khaki-Khatibi F, Nourazarian A, Ahmadi F, **Farhoudi M**, Savadi-Oskouei D, Pourostadi M, et al. Relationship between the use of electronic devices and susceptibility to multiple sclerosis. **Cogn Neurodynamics**. 2019;13(3):287-92.
62. Jahed M, Ghalichi F, **Farhoudi M**. Comparison of blood velocity between Transcranial Doppler and numerical method in the patient-specific Circle of Willis with aneurysm. **Bio-Med Mater Eng**. 2019;30(4):427-38.
63. Jahed M, Ghalichi F, **Farhoudi M**. Fluid-structure interaction of patient-specific Circle of Willis with aneurysm: Investigation of hemodynamic parameters. **Bio-Med Mater Eng**. 2018;29(3):357-68.

64. Hashemilar M, Khalili M, Rezaeimanesh N, Hokmabadi ES, Rasulzade S, Shamshirgaran SM, et al. Effect of Whey Protein Supplementation on Inflammatory and Antioxidant Markers, and Clinical Prognosis in Acute Ischemic Stroke (TNS Trial): A Randomized, Double Blind, Controlled, Clinical Trial. **Advanced Pharmaceutical Bulletin**. 2020;10(1):135-40.
65. Geranmayeh MH, Rahbarghazi R, *Farhoudi M*. Targeting pericytes for neurovascular regeneration. **Cell Communication and Signaling**. 2019;17(1).
66. Farokhi-Sisakht F, Sadigh-Eteghad S, Mohaddes G, Ebrahimi-Kalan A, Karimi P, *Farhoudi M*. Physical and cognitive training attenuate hippocampal ischemia-induced memory impairments in rat. **Brain Res Bull**. 2019.
67. Farokhi-Sisakht F, *Farhoudi M*, Sadigh-Eteghad S, Mahmoudi J, Mohaddes G. Cognitive Rehabilitation Improves Ischemic Stroke-Induced Cognitive Impairment: Role of Growth Factors. **Journal of Stroke and Cerebrovascular Diseases**. 2019;28(10).
68. Farajdokht F, *Farhoudi M*, Majdi A, Zamanlu M, Sadigh-Eteghad S, Vahedi S, et al. Testosterone may hold therapeutic promise for the treatment of ischemic stroke in aging: A closer look at laboratory findings. **Advanced Pharmaceutical Bulletin**. 2019;9(1):48-55.
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#### **B. Others:**

1. **Farhoudi M**, Khandaghi R. Clinical applications of EEG. **First Iranian Electroneurophysiology Congress**, Tehran, IRAN, 2001.
2. **Farhoudi M**. **Electronystagmography and its Clinical Applications**, Second Iranian Electroneurophysiology Congress, Tabriz, IRAN, 2002.
3. **Farhoudi M**. Lumbar Canal Stenosis. **National Mechanical Low Back Pain Congress**, Tabriz, IRAN, 2002.
4. **Farhoudi M**. Diagnostic criteria of Multiple Sclerosis. **First Local symposium of MS**. Tabriz, IRAN, 2005; 8-9 December.
5. Talebi M, Khandaghi R, **Farhoudi M**, Savadi Oskuie D, Serum magnesium level in migraine, **14th International congress of Neurology and Clinical Electrophysiology**, May 2007; Tehran, Iran.
6. **Farhoudi M**. Celiac Disease & Multiple Sclerosis. **Third Multiple Sclerosis Congress**, Isfahan, IRAN, 2005.
7. **Farhoudi M**, Monoclonal antibodies in the treatment of multiple sclerosis. **Second local Symposium of MS**. June 2008; Tabriz, Iran.

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9. Talebi M, Savadi D, **Farhoudi M**, Mohammadzadeh S, Hasani A. Assessment of correlation of magnesium of serum in migraine attacks. **18th Iranian Neurology and Clinical Electrophysiology Congress**, June 2011; Tehran, Iran.
10. Taheraghdam A, Pashapour A, Yazdchi M, **Farhoudi M**, Sadeghi E, Mostafaei S, Sharifipour E. Amyotrophic lateral sclerosis or Kennedy disease: A case report of a patient with years of misdiagnosis. **18th Iranian Neurology and Clinical Electrophysiology Congress**, June 2011; Tehran, Iran.
11. **Farhoudi M**, Hajebrahimi S, Savadi Oskouei D, Sadeghi H, Ghojazadeh M, Erfani S, Abbaspour R. Evidence based medicine suggested as start point for medical specialty degree curriculums. **International Congress on good medical research**, March 2011; Istanbul, Turkey.
12. Omid Badri , Parviz Shahabi, **Mehdi Farhoudi**, Mohsen Sharif-Zak , Armin Azadi. Evening Primrose Oil Improves Nerve Functions Following Crush Injury of Sciatic Nerve in Rats. **The Supplement of Shefaye Khatam** 2015, 2-3: 61-61.
13. S Andalib, M Talebi, E Sakhinia, **M Farhoudi**, H Sadeghi-Bazargani, MR Emamhadi, N Masoodian, M Balaghi-Inalou, MS Vafae, A Gjedde. Mitochondrial DNA G13708A variation and multiple sclerosis: Is there an association? **Revue Neurologique**, 2017.
14. Maryam Yousefian, Ali Amani, Hadi Seyedarabi, **Mehdi Farhoudi**. Disparity improvement of brain tissues after MRI segmentation in tDCS rehabilitation. **28th Iranian Conference on Electrical Engineering (ICEE)**, 2020.
15. Maryam Yousefian, Ali Amani, Hadi Seyedarabi, **Mehdi Farhoudi**. A comparison study of automated approaches for brain lesions segmentation in ischemic stroke. **28th Iranian Conference on Electrical Engineering (ICEE)**, 2020.
16. Hosseini MS, Fakhri MBA, Hashemzadeh S, **Farhoudi M**, Mahmoudi J, Piri R, et al. Effect of erythropoietin on inflammatory response and ischemic brain damage after carotid artery clamp in rat. *Journal of Cerebral Blood Flow and Metabolism*. 2019;39:363-4.
17. Mehrad H, Eteghad SS, **Farhoudi M**, Mahmoudi J. CONFOCAL DUAL-BEAM HISTOTRIPSY FOR CAROTID ARTERY ATHEROTHROMBOSIS ACCOMPANIED BY PLGA- BASED ENCAPSULATED TPA NANOPARTICLES ADMINISTRATION. **Atheroscler Suppl**. 2018;32:142-.
18. Mehrad H, **Farhoudi M**, Arshadi A, Sarabi S. EFFECT OF INTRAVENOUS PLGA-BASED ENCAPSULATED TPA NANOPARTICLES ADMINISTRATION ON ULTRASOUND-GUIDED EXTRACORPOREAL CONFOCAL DUAL-PULSE ELECTROHYDRAULIC

SHOCK WAVE-MEDIATED INTRACRANIAL THROMBOLYSIS. **International Journal of Stroke**. 2018;13:150-.

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40. T Ghadiri, **M Farhoudi**, M Sharifzadeh, A Gorji. Alterations of GABAergic System which Perturb GABA Mediated Inhibition in Temporal Lobe Epilepsy. **Journal of Experimental and Clinical Neurosciences**, 2016, 3 (1), 1-8.

41. Maryam Abbasi, Seyed Massood Nabavi, Seyed-Mohammad Fereshtehnejad, Iman Ansari, Nikan Zerafatjou, Vahid Shayegannejad, Seyed Ehsan Mohammadianinejad, **Mahdi Farhoudi**, Abbas Noorian, Nazanin Razazian, Mahmoud Abedini, Fardin Faraji. Risk factors of Multiple sclerosis and their Relation with Disease Severity: A Cross-sectional Study from Iran. **Archives of Iranian Medicine (AIM)**, 2016, 19 (12).

## **Books:**

- 1- ***Experimental Models of Stroke***. Editors: **Mehdi Farhoudi**, Hamdolah Panahpour, Javad Mahmoudi, Babak Sabermarouf, Saeed Sadigh-Eteghad, Kavehe Mehrvar. Publisher: Tabriz University of Medical Sciences, 2013.

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- 2- ***Cell Therapy in Neurodegenerative Diseases***. Editors: Mahnaz Talebi, **Mehdi Farhoudi**, Saeed Sadigh-Eteghad, Javad Mahmoudi. Azam Publishing Co. 2013.

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- 3- ***Hypotheses in Clinical Medicine***. Editors: Mohammadali M. Shoja, Paul S. Agutter, R. Shane Tubbs, Mostafa Ghanei, Kamyar Ghabili, Alon Harris, Marios Loukas. Chapter 14 - The Potential Evolutionary Significance of the Pineal Gland. Authors / Editors: (Paul S. Agutter, R. Shane Tubbs, Marios Loukas, **Mehdi Farhoudi**, Alireza Ghaffari, Martin M. Mortazavi, Kamyar Ghabili, Mohammadali M. Shoja). Nova Science Publishers. Copyright 2012.

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- 4- ***Experimental Models of Parkinson's Disease***. Nayebi AM, **Farhoudi M**, Mahmoudi J, Reyhani-Rad S. Azam Publishing Co. 2012.

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- 5- ***An introduction to Alzheimer's disease***. Editors: Safa Najmi, Saeed Sadigh-Eteghad, **Mehdi Farhoudi**, Publisher: Shervin medicine publishing.

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## **Thesis Supervision:**

### **A-Cerebrovascular related:**

1. Transcranial Doppler study of patients with central vertigo. 2002, by Ali Eskandarzadeh **(For MD degree)**.
2. Transcranial Doppler sonography and brain stem auditory evoked potentials study in vertebrobasilar insufficient patients, 2002, by Mojgan Farahani MD **(For specialty in Neurology)**.
3. Assessment of cardiac response to stimulation of carotid baroreceptors in patients with multiple sclerosis, 2002, by Farzaneh Etebari **(For MD degree)**.

4. Assessment of cardiac response of carotid baroreflex in diabetic patients, 2002, by Mehrnaz Hosseingolifam **(For MD degree)**.
5. Assessment of cardiac response to carotid baroreceptors stimulation in patients with idiopathic Parkinson, 2002, by Behnam Nasirimotlagh **(For MD degree)**.
6. Assessment of transcranial Doppler results in patients referring to neurodiagnostic ward of imam medical center, 2002, by Haleh Mostafidi **(For MD degree)**.
7. Assessment of cerebral hemodynamic in dialyzed uremic patients, 2003, by Ramazan Abdi **(For MD degree)**.
8. Correlation of transcranial Doppler and carotid duplex results, 2003, by Khandan Ghannadiemami, **(For MD degree)**.
9. A transcranial Doppler study on atherosclerotic changes in intracranial arteries, 2003, by Mohsen Khoshnam, MD **(For specialty in Neurology)**.
10. Evaluation of cardiac receptor stimulation and skin sympathetic response test in patients with Parkinson disease, 2003, by Mehrdad Maboudi, MD **(For specialty in Neurology)**.
11. Assessment of cerebral hemodynamic in hypercholesterolemia, 2003, by Nazila Rasi **(For MD degree)**.
12. The effect of senility on autoregulation of brain blood flow in man, 2004, by Hoshang Najafi **(For MS degree)**.
13. A study on effects of nimodipine in cerebral hemodynamic changes in brain axonal injury patients, 2004, by Mashhood Aghajanloo, MD **(For specialty in Neurosurgery)**.
14. Study on normal vales of major intracranial arteries by transcranial Doppler, 2006, by Nahid Kermani **(For MD degree)**.
15. Correlation of oral contraceptive consumption with brain stroke occurrence, 2006, by Mitra Ahmadi **(For MD degree)**.
16. A study about neurologic complications of coronary artery bypass surgery and correlation of them with cerebrovascular hemodynamic state, 2006, by Kaveh Mehrvar, MD **(For specialty in Neurology)**.
17. Study on transcranial Doppler role in prognosis of ischemic stroke, 2008, by Yaser Sharafi, MD **(For specialty in Neurology)**.
18. Epidemiology of stroke and comparison of risk factors role in ischemic and hemorrhagic stroke in Tabriz, 2009, by Amir Hossein Ladan **(For MD degree)**.



19. Velocity comparison obtained from Doppler ultrasound velocitometry through internal carotid artery and numeral simulation of blood flow in this artery, 2010, by Hassani Ardekani **(For MSc degree in mechanical engineering)**.
20. Microembolic signal frequency in patients with acute ischemic stroke and MCA syndromes treated with Aspirin vs. clopidogrel, 2011, by Samaneh Hosseini, MD **(For specialty in Neurology)**.
21. Evaluation of prognostic role of transcranial Doppler findings in long term follow up of patients with Ischemic stroke, 2011, by Keyvan Ramin **(For MD degree)**.
22. Evaluation of transcranial Doppler parameters in acute intracerebral hemorrhage during the first and fifth days, 2011, by Mehdi Dehghani, MD **(For specialty in Neurology)**.
23. 23-The effect of vertebral – basilar confluence angle on blood flow parameters and comparison with transcranial Doppler test, 2012, by Mohsen Ghasemi **(For MSc degree in mechanical engineering)**.
24. Effect of setarud (IMOD) on the clinical outcome of acute ischemic stroke, 2012, by Mahdi Najafi Nesheli MD **(For specialty in Neurology)**.
25. Early and intermediate prognosis of intravenous thrombolytic therapy in acute ischemic stroke subtypes, 2012, By Abolfazl Atalu MD **(For specialty in Neurology)**.
26. Associatuion on Non – Alcoholic fatty liver disease as a risk factor of ischemic stroke, 2014, by Hanieh Moshayedi, MD **(For specialty in Neurology)**.
27. Study of prognosis of cerebral vascular attack on arrival at the emergency department patients regarding GCS and Four Score, 2015, by Mohsen Salehi, MD **(For specialty in Emergency Medicine)**.
28. Polymeric Nano-particles encapsulating tissue Plasminogen Activator (tPA) for treatment of ischemic stroke, 2016, by Masumeh Zamanlu **(For PhD by Research degree in Neurosciences)**.
29. Implementation and Assessment of Stroke registry in Tabriz and primary analysis of some of registered data, 2016, by Reza Deljavan **(For PhD by Research degree in Neurosciences)**.
30. Aspirin resistance in patients with cerebrovascular disease during therapeutic course and its effects on prognosis, 2016, by Sahar Fallah **(For specialty in Neurology)**.

## **B- Others:**

- 1- Timic frequency in Guillain Barre Syndrome, 2005, by Farrokh Bakhtshadi **(For MD degree)**.
- 2- Study on serum homocysteine level in Alzheimer patients and its relationship with the stage of disease, 2006, by Farshid Shahriari **(For MD degree)**.
- 3- Study on serum homocysteine level in Parkinson patients and its relationship with the stage of disease, 2006, Farzad Arjanghnia **(For MD degree)**.
- 4- Study on serum iron and ferritin level in idiopathic Parkinson, 2008, by Gonar Abbasi Farid **(For MD degree)**.
- 5- Study of magnesium serum level in Alzheimer patients, 2009, by Mohammad Mousavi **(For specialty in Neurology)**.
- 6- Quantitative analysis of serum levels and gene expression of interlukin-17 (A&F) in patients with Multiple Sclerosis, 2010, by Farhad Babai **(For MSc degree in medical immunology)**.
- 7- Multiple sclerosis(For pharmacitucial doctor degree)
- 8- Association study of inflammation pathway genes (CCR2 and CCR5) variations with risk of sporadic Alzheimer's disease in the population of eastern Azerbaijan, 2011, by Maryam Rezagadeh **(For MSc degree in human genetics)**.
- 9- Association study of inflammation pathway genes (TNF $\alpha$ ) variations with risk of sporadic Alzheimer's disease in the population of eastern Azerbaijan, 2011, by Tarlan Yeganeh **(For MSc degree in Clinical Biochemistry)**.
- 10- Evaluation of retinal nerve fiber layer in glaucoma and Alzheimer's disease, 2011, by Taha Ahmadaali **(For specialty in Ophthalmology)**.
- 11- Frequency on major CYP46A1 alleles in northwestern Iranian population (Tabriz – Azerbaijan), 2011, by Rashed Mirnour **(For MD degree)**.
- 12- The effect of loganin on spatial memory and passive voidance learning in diabetic male rats, 2011, by Saeedeh Hassani Azami **(For MSc degree in physiology)**.
- 13- The situation analysis of education and research in general practice course based on basic minimum competencies, statement in Iran – intern's vies, 2012, by Hooman Yazdchi **(For MD degree)**.
- 14- Cost of illness analysis in the MS patients in Tabriz (2006 – 2011), 2013, by Parviz Gobari **(For Pharm.D degree)**.
- 15- Association of interleukin – 13 Gene polymorphisms with multiple sclerosis, 2014, by Narges Seyfizadeh **(For MSc degree in Medical Immunology)**.

- 16- Color Doppler imaging evaluation of blood flow parameters in ophthalmic artery, posterior ciliary arteries and diameters of optic nerve in chronic optic neuritis in multiple sclerosis and compare with normal control group, 2015, by Hassan Amini (**For MD degree**).
- 17- Common mitochondrial gene variations in multiple sclerosis patients, 2015, by Sasan Andalib (**For PhD by Research degree in Neurosciences**).

***Interests:*** Cerebrovascular Disease & Doppler Studies.