

Curriculum Vitae

MOGHADAM AHMADI, AMIR (Amir)

He/Him/His

AAMC ID: 15927121

Present Mailing Address

Suite S 1011, 2200 Benjamin Franklin Parkway, Philadelphia, PA, US 19130

Preferred Phone: 2679286693

Academic email: Amir.MoghadamAhmadi@jefferson.edu

Personal email: a.moghadamahmadi@gmail.com

Medical Education

1- M.D., Neurology Specialty (Board-certified)

Mashhad University of Medical Sciences, Iran (10/2007 to 09/2011)

Thesis: Clinical and Para clinical Characteristics of Guillain-Barre Syndrome patients in Mashhad (Score: 19 out of 20)

2- M.D./ MPH, General Practitioner

Iran University of Medical Sciences (IUMS) School of Medicine, Iran (10/1997 - 09/2004)

Thesis: Prevalence of malignant brain tumors in Rasool-e-Akram University Hospital, Tehran (Score: 19.75 out of 20)

Work Experience

1- Clinical Research Coordinator

Jefferson Weinberg ALS Center, Vickie and Jack Farber Institute for Neuroscience, Thomas Jefferson University, Philadelphia, PA, US (July 2023-Present); Average Hours/Week: 40

- After passing all the requirements for the clinical research at Jefferson and especially for ALS Platform Trials, I have been activated on all of the clinical trials conducted at Jefferson Weinberg ALS Center, including but not limited to HEALEY ALS Platform Trials, Sanofi Trials, Mitsubishi Tanabe Pharma Trials, and Expanded Access Protocols.
- Coordinating the ALS Biobank for patients and healthy controls, as well as visiting participants on their pre-determined trial visits to perform clinical assessment for force, respiration, ALSFRS R, ECG, documenting on the pertinent website, and also preparing blood and urine samples for shipping to lab center
- Shadowing the ALS clinic once per week

2- Neuro-Immunology Research Scholar

Neurological Sciences Research Laboratory, Jefferson Hospital for Neuroscience, Thomas Jefferson University, PA, US (09/2022 – June 2023); Average Hours/Week: 40 • I have been added to human projects' protocol and have been included in animal projects, working on basic mechanisms of neurologic demyelinating diseases utilizing several lab techniques including but not limited to flow cytometry, real-time PCR, and cell culture

- Handling animals and aseptic surgical techniques, induction of neurological diseases on the mice (EAE), and genotyping.
- I visited patients besides the attending physician in the Multiple Sclerosis clinic 2-3 days/week, too.

3- Associate Professor of Neurology

Rafsanjan Medical University, Rafsanjan, Iran (10/2018 – 08/2022); Average Hours/Week: 54

- My primary aim has always been the administration of clinical judgments and treatment options to the patients in the best way. As a neurologist, I have yielded the best results in diagnosing neurological disorders via thorough conduct of procedures and in collaboration with other health specialists. Implementing the individualized treatment plans and monitor patients' progress thoroughly to ensure optimal healthcare has been my first priority.

- It has to be highlighted that one of my top achievements has been the conduct of clinical trials and animal studies (preclinical studies) so as to expand knowledge-based data on neurological disorders, especially in basic neuroscience, as well as in complementary and alternative medicine.
- Besides, I have mentored and supervised Ph.D. and medical students due to educational and research purposes, so as to be sure about providing quality healthcare to the community inhabitants by a group of knowledgeable scientists and physicians to be.

4- Assistant Professor of Neurology

Rafsanjan University of Medical Sciences, Rafsanjan, Iran (09/2012 - 10/2018); Average Hours/Week: 54

- Faculty member; clinical neurologist; basic and clinical researcher

Current/Prior Training

1- Clinical Research Coordinator

Jefferson Weinberg ALS Center, Thomas Jefferson University, Philadelphia, PA, US

- Passing all the courses required before being activated on ALS clinical trials including but not limited to ALSFRS-R, Slow Vital Capacity testing, Hand Held Dynamometry, Columbia Suicide Assessment, Expanded Access Protocols, Greenphire Clincard, HEALEY Platform Trials, Electronic Data Capturing, iMedidata, RAVE, Informed Consent, PHS and HIPPA, Good Clinical Practice, and IRB

2- Neuro-immunology, Neurological Sciences Research Laboratory, Jefferson Hospital for

Neuroscience, Thomas Jefferson University, Philadelphia, PA, US

09/2022-present; Supervisor: Prof. Mohamadali Rostami

- Passing courses with certification regarding all aspects of handling animal, euthanasia, pain control, aseptic surgical techniques, breeding and colony management, injections, tissue preparation and cell extraction
- Learning IACUC and PHS policy, patient's privacy and confidentiality regulations, which have been helpful for conducting standard research
- Training courses for flow cytometry lab safety, infection control, cyber security
- **Biomedical Research and Code of Conduct; Social and Behavioral Code of Conduct in Research; Clinical Research Coordinator (foundations and advanced course with certification); Good Clinical Practice, IRB certification (CITI)**

All of these recent activities have extended my expertise and helped me to achieve more in integrating my clinical background with basic science ideas.

3- Rafsanjan University of Medical Sciences, Rafsanjan, Iran

09/2016-present

- Training and being certified for acute stroke care, and then performing more than 50 cases of intravenous alteplase (rtPA) treatment per year in stroke care unit of our university hospital (since 7 years ago).
- Passing several workshops and short courses on different fields such as:
 - 1) neurosonology (vascular and muscle/nerve sonography), MRI physics and applications in neuroimaging, computer sciences and applications, and data analysis
 - 2) Research methods and medical databases, epidemiology and statistics, writing and publishing scientific articles, medical and research ethics, Endnote, Mendeley, STATA, MATLAB
 - 3) Movement disorders and Botulinum toxin injection, myology school
 - 4) Animal studies, preclinical studies, evidence-based medicine, laboratory techniques such as PCR, cell culture, genotyping, and western blot

4- Medical Assistant program, US Career Institute (online)

Enrolled in 02/09/2023 (continuing)

A full course of online medical assistant training to find more knowledge about several aspects of medical practice in the US

5- Shiraz University of medical sciences, Shiraz, Iran, Neuro-interventional certificate program

09/2015 - 03/2016; Supervisor: Prof. Afshin Borhani-Haghighi

A 6-month course of cerebral angiography under supervision of Afshin Borhani Haghighi (neuro interventionist and vascular neurology fellow from the USA), University of Shiraz, Iran (September 2015-March 2016) with certification

Performing several diagnostic cerebral angiographies individually (and a few cases of carotid angioplasty, intra-arterial t-PA injection for strokes and CCB injection for vasospasm after SAH) since then in Rafsanjan, achieving better results for acute stroke care

6- Mashhad clinical scientific hypnotism society, Mashhad, Iran, Clinical hypnotherapist

01/2011 - 03/2011; Supervisor: Prof. Hosein Fathi A thorough certification course for clinical application of hypnotherapy in the field of medicine; using this efficient technique for the patients thereafter, and conducting two research projects on headache and also on decreasing pain of the patients for dental procedures.

Research Experience

1-Jefferson Hospital for Neuroscience, Thomas Jefferson University, Philadelphia, PA, US

Clinical Research Coordinator and Neuro-immunology research scholar (09/2022 – Present)
Conducting research projects for clarifying the basic mechanisms of Multiple Sclerosis and other neurologic demyelinating disorders, and recently been involved in human clinical projects on ALS and neuromuscular disorders

2- Persian Cohort, Rafsanjan, Iran

Board member (10/2018 - Present)

Board member of Non-Communicable Diseases Research Center (which encompasses Rafsanjan Cohort Study with prospective follow-up of more than 10,000 recruited people, a division of Persian Mega-cohort with more than a few hundred thousand recruited people in 10 provinces, Iran)

3-Rafsanjan University of Medical Sciences, Rafsanjan, Iran

Dean of Development Clinical Research Center (09/2012 - 10/2016)

Reviewing research proposals; guide research meetings and committee; linking the research ideas of the university staff to the medical students and vice versa; providing facilities to ease the process of research and article publishing for the staff; running several research-related workshops

4-Developing studies center, Rafsanjan, Iran, Clinical Health System Research Committee

Board member (04/2014 - 05/2018)

Providing and prioritizing clinical and research recommendations for the medical university

5-Rafsanjan University of Medical Sciences, Rafsanjan, Iran

Clinical board member of Physiology-Pharmacology Research Center (06/2015 – 08/2022)

Achieving better study designs in the interface of clinical and basic science issues and especially providing clinical ideas for being linked to the basic sciences

Membership and Honorary/Professional Societies Member of American Medical Association (AMA)

Member of American Academy of Neurology (AAN)

Member of World Stroke Organization (WSO)

Member of Jefferson Clinical Research Institution (JCRI)
Member of American Committee for Treatment and Research in Multiple Sclerosis (ACTRIMS)
Local coordinator of SITS international stroke registry system (headquartered in Sweden)
Collaborator of the Global Burden of Diseases Injuries and Risk Factors Study (GBD) by IHME

Medical School Awards

- 1-The best clinical researcher of Rafsanjan University of Medical Sciences, Iran. 2012-2016
- 2-Peer reviewer of several national and international quality journals
- 3-Patent for optimization of the technique of extracting “Achilla Millefolium” concentrate for the add-on treatment of Multiple Sclerosis (International Classification: C07K1/14; A61K36/28)
- 4-Awards for best clinical practice, brain death confirmation committee, good collaboration with the MS society

Other Awards/Accomplishments

- 1-Passing USMLE Step1 (17 March 2023) and Step2 (6 July 2023), and applying for final ECFMG certification
- 2- Occupational English Test (OET) certification (December 2022)
- 3- BLS, ACLS, and PALS certification from “Postgraduate Institute for Medicine”
- 4- Assistant coordinator for SITS international stroke registry program
- 5-live talks on Iranian National Radio about various neurologic diseases
- 6- Establishing a knowledge-based herbal-medicine company (Rafsanjan Essence Daru) and receiving grants and financial support for extending our research and production in this field in Iran
- 7- Best selected poster presentation, 18th international Iranian Congress of Multiple Sclerosis, Dec. 2021, Iran
- 8- Topic editor for a special issue regarding acute stroke “Frontiers in Neurology” journal

Volunteer Experience

1-IHME (Institute for Health Metrics and Evaluation, Seattle, WA, US)

University of Washington (07/2018 – Present)

Collaborator

Collaborator of the Global Burden of Diseases Injuries and Risk Factors Study (GBD), implemented by IHME (Institute for Health Metrics and Evaluation), reviewing the GBD data and peer-reviewing articles to provide comments

2-SITS international stroke registry, Stockholm, Sweden Karolinska Institute

Assistant coordinator (11/2017 – Present) Gathering and registering the information of all types of strokes in an international registry system

3-Iranian Multiple Sclerosis Society, Tehran, Iran

Coordinator (06/2021 – Present)

Registering the required data for MS patients in Rafsanjan MS society

4-Iranian Forensic Medicine Organization, Rafsanjan, Iran

Referral Neurologist (02/2014 – Present)

Providing clinical description and evidence for the referred patients with some legal issues in the field of neurology

5-Rafsanjan University of Medical sciences, Rafsanjan, Iran

Dean of the Neurology Department of University Hospital (11/2012 - 04/2017)

Implementing new guidelines in the field of neurology for patients; Educating other staff members and nurses as well as medical students; Scheduling for meetings and workshops; Monitoring the quality of health provider services in the neurology ward

Publications

1-Published Peer Reviewed Journal Articles/Abstracts

Afshin Borhani-Haghighi, Etrat Hooshmandi, Farzaneh Zahediasl, Hossein Molavi Vardanjani, Mahdiyeh Rezaei, Abbas Rahimi-Jaberi, et. al. (2022, Aug). Early and mid-term outcomes of carotid angioplasty and stent placement in 579 patients. *Journal of Neuroimaging*, 8(.), 1-9. Cited in PubMed; PMID: 10.1111/jon.13036.

Ali Peimani, Maryam Irannezhad, **Amir Moghadam Ahmadi (Corresponding author)**. Comparing the effect of hypnosis and local anesthesia injection on induction of local anesthesia, anxiety, hemorrhage and pain control during tooth extraction. *Journal of Research in Medical and Dental Science*. (2017, Aug); 5(4), 44-49.

Ali Shamsizadeh. Mojtaba Akramian Fard, Amir Moghadam Ahmadi, Fatemeh Ayoobi, Hassan Nakisa, Zahra Hadadian, et. al. (2015, Mar). Effects of *Achillea millefolium* aqueous extract in a Parkinson's disease model induced by intra-cerebral ventricular injection of 6-hydroxydopamine in male rats. *Quarterly Journal of Sabzevar University of Medical Sciences*, 22(1).

Ali Shoeibi, Mohammadmahdi Etemadi, Amir Moghaddam Ahmadi, Mona Amini, Reza Boostani. (2013, Mar). HTLV-I Infection” twenty-year research in neurology Department of Mashhad University of Medical Sciences. *Iranian Journal of Basic Medical Sciences*, 16(3), 202– 207. Cited in PubMed; PMID: 24470862.

Alireza Vakilian, Amir Moghadam Ahmadi, Habib Farahmand. (2017, Apr). An Occipital Headache as the First Presentation of Multiple Third, Fourth, and Lateral Ventricular Cavernous Malformations: A Case Report and Review of Literature. *Galen Medical Journal*, 6(1), 61-65.

Alireza Vakilian, Amir Moghadam Ahmadi, Moslem Heidari, Nazanin Jalali, Mohammad Nazer, Mohammad Zare Bidaki, et. al. (2021, Oct). Vitamin B12 Administration Facilitates the Antipsychotic and Pain-Relieving Effects of Quetiapine in Alzheimer Patients with Psychotic Symptoms. *Journal of Ayub Medical College*, 33(4), S744-S751.

Alireza Vakilian, **Amir Moghadam-Ahmadi (Corresponding author)**, Farhad Iranmanesh, Mohammad Shamsaddini. (2019, Oct). A Study of Serum Lipid Profile in Ischemic and Hemorrhagic Stroke Patients. *Zahedan Journal of Research in Medical Sciences*, 21(4), e87815.

Alireza Vakilian, Amir Moghadam-Ahmadi, Habib Farahmand. (2016, Jan). Neurofibromatosis 1 presenting as a rare widespread neurofibromas with cord compression. *Iranian journal of neurology*, 57- 59.

Alireza Vakilian, Farhad Iranmanesh, Mohammad Ali Shafa, Amir Moghadam-Ahmadi, Fariba Maleki-Rad. (2015, Nov). Educational Needs Assessment for General Practitioners in the Field of Neurological Diseases in the Regulatory Zone of Rafsanjan University of Medical Sciences Iran. *Strides in Development of Medical Education*, 12(3), 525-536.

Alireza Vakilian, Gholamreza Bazmandegan, Marjan Saedi Nezhad, Zahra Asadollahi, **Amir Moghadam Ahmadi (Corresponding author)**. (2018, Jul). Association of HbA1c levels with extent and functional status of ischemic and hemorrhagic stroke. *Journal of Kerman University of Medical Sciences*, 25(4), 307-317.

Alireza Vakilian, Gholamreza Bazmandegan, Mehran Ebrahimi, Abumoslem Rashidi, **Amir Moghadam Ahmadi (Corresponding author)**. (2018, Oct). Follow-up of monosymptomatic

presentation of multiple sclerosis according to immunological tests and clinical examinations. *Journal of Advanced Pharmacy Education & Research*, 8(S2), 83-87.

Alireza Vakilian, Reza Derakhshan Ravari, Amir Moghadam Ahmadi. (2017, Jan). Sydenham Chorea in a Girl with Dextrocardia and Situs Inversus. *International Cardiovascular Research Journal*, 11(7), 77-80.

Alireza Vakilian, Reza Derakhshan Ravari, Amir Moghadam-Ahmadi. (2017, Mar). Sydenham Chorea in a Girl with Dextrocardia and Situs Inversus. *International Cardiovascular Research Journal*, 11(2), 77-80.

Alireza Vakilian, Seyed Moein Razavi-Nasab, Ali Ravari, Tayebeh Mirzaei, Amir Moghadam-Ahmadi, Nazanin Jalali, et. al. (2018, Mar). Vitamin B12 in association with antipsychotic drugs can modulate the expression of pro-/anti-inflammatory cytokines in Alzheimer disease patients. *Neuroimmunomodulation*, 24(6), 310-319. Cited in PubMed; PMID: 10.1159/000486597.

Alireza Vakilian, Tabandeh Sadeghi, Seyed Hamid Seyedbagheri, Amir Moghadam Ahmadi, Hossein Azin, Nazanin Jalali. (2020, Jan). Effect of Public Education Regarding Stroke Warning Signs on Pre-Hospital Delay and Frequency of Tissue Plasminogen Activator Therapy in Stroke Patients: A Quasi-Experimental Study. *Jundishapur Journal of Chronic Disease Care*, 9(1), e97862. Cited in PubMed; PMID: 10.5812/jjcdc.97862.

Alireza Vakilian, Zahra Kamiab, Sakineh Afzal, Amir Moghadam-Ahmadi, Nazanin Jalali. (2021, Jun). Investigating the inhospital mortality rate of stroke and its related factors at Ali-Ibn-Abi Talib Hospital of Rafsanjan. *Gulhane Tip Dergisi*, 63(2), 110.

Amir Moghadam Ahmadi, Azam Mobini, Fariba Kabiri, Reza Bidaki, Bonnie Bozorg. (2018, Apr). Relationship between anxiety and depression with disability over multiple sclerosis patients in Rafsanjan, Iran. *Archives of Neuroscience*, 5(2), e63503.

Amir Moghadam Ahmadi, Fardin Hodoodi, Mohammad Allah-Tavakoli, Farzad Tajik, Iman Fatemi. (2021, Jun). The effect of head cooling and remote ischemic conditioning on patients with traumatic brain injury. *iScience (by Elsevier)*, 24(6), 1-18. Cited in PubMed; PMID: 2021.102472.

Amir Moghadam Ahmadi, Mina Jafari, Laaya Sabzevari, Atena FallahTafti, Reza Bidaki. (2018, Feb). Evaluation of the effect of hypnotherapy on the headache. *Sleep and Hypnosis. A Journal of Clinical Neuroscience and Psychopathology*, 20(2), 114-119.

Amir Moghadam-Ahmadi, Alireza Vakilian, Habib Farahmand, Athena Sharifi-Razav, Farzad Tajik, Mohsen Najmaddini. (2017, Mar). Epidemiological, Clinical and Radiological Characteristics of Patients with Head Trauma. *Internal Medicine and Medical Investigation Journal*, 2(1), 7-14.

Amir Moghadam-Ahmadi, Hossein Khorramdelazad, Gholamhossein Hassanshahi, Sasan Shahsavari, Ali Moadab, Alireza Vakilian. (2020, Jun). Eotaxins and C-C chemokine receptor type 3 in Parkinson's disease. *Acta Neurologica Belgica*, 120(3), 589594.

Amir Moghadam-Ahmadi, Pouria Yazdian-Anari, Siamak Kazemisufi, Alireza Vakilian, Aliasghar Ranjartotoei, Fatemeh Ayoobi. (2017, May). Evaluation of Demographic, Clinical and Beyond Clinical Characteristics in Patients with Multiple Sclerosis in Rafsanjan City, Iran. *Internal Medicine and Medical Investigation Journal*, 2(2), 41-46.

Amir Moghadam-Ahmadi, Reza Bidaki, Tahereh Shahriari Sarhadi, Alireza Vakilian, Athena Sharifi Razavi. (2017, Oct). Prevalence of depression and anxiety in patients with carpal tunnel syndrome, Rafsanjan, Iran 2014. *Journal of Mazandaran University of Medical Sciences*, 27(153), 64-73.

Amir Moghaddam Ahmadi, Masoud Sabouri Ghannad, Fateme Arab Bani Asad, Reza Bidaki. (2014, Jan). SUBDURAL EMPYEMA IN A 12-YEAR-OLD BOY: A RARE CASE REPORT. *Int j clin surg adv*, 2(4), 34-39.

Athena Sharifi Razavi, Narges Karimi, Nasim Tabrizi, Amir Moghaddam Ahmadi, Sahar Fadaei, Mehdi Moshfegh. (2014, Sep). Human T-Lymphotropic Virus Type 1-Associated Myelopathy, or Tropical Spastic Paraparesis (HAM/TSP). *Journal of Clinical Excellence*, 2(2), 104-115.

D Shahmoridi, AR Vakilian, A Moghadam Ahmadi, M Sheikh Fathollahi. (2020, Apr). Comparing the Effect of Functional Electrical Stimulation and Functional Exercise Therapy on the Treatment of Ischemic Stroke: A Randomized Clinical Trial. *Journal of Rafsanjan University of Medical Sciences*, 19(1), 23-38.

Elham Hakimizadeh, Ali Shamsizadeh, Ali Roohbakhsh, Mohammad Kazemi Arababadi, Mohammad Reza Hajizadeh, Mehdi Shariati, et. al. (2017, Aug). TRPV1 receptor-mediated expression of Toll-like receptors 2 and 4 following permanent middle cerebral artery occlusion in rats. *Iranian Journal of Basic Medical Sciences*, 20(8), 863-869. Cited in PubMed; PMID: 29085577.

Elham Hakimizadeh, Amir Moghadam-Ahmadi, Ali Shamsizadeh, Vahid Ehsani, Fatemeh Amin, Mohammad Allahtavakoli. (2021, Jun). The effects of pistachio hydroalcoholic extract on stroke in permanent middle cerebral artery occlusion in ovariectomized female rats. *Pistachio and Health Journal*, 4(2), 52-64.

Elnaz Azizi, Fatemeh Ayoobi, Ali Shamsizadeh, Amir Moghadam-Ahmadi, Seyed Ali Shafiei, Ali Reza Khoshdel, Mohammad Reza Mirzaei. (2022, Jul). Effect of Short Time Exposure of Local ELF-MFs on Sleepiness Induced in Male Rats. *Basic and Clinical Neuroscience*, 13(4).

Faezeh-sadat Khorram, Ali Mehdipour, Amir Moghadam-Ahmadi, Habib Farahmand, Azadeh Askari, Seyed Mohsen Moosavi, et. al. (2021, Sep). Brain magnetic resonance imaging without contrast significantly increased serum levels of IL-6, but not IL-10, IL-17A and TGF-Beta. *Brain Injury*, 35(11), 1451-1456.

Fatemeh Ayoobi, Ali Shamsizadeh, Iman Fatemi, Alireza Vakilian, Mohammad Allahtavakoli, Gholamhossein Hassanshahi, Amir Moghadam-Ahmadi. (2017, Jun). Bio-effectiveness of the main flavonoids of *Achillea millefolium* in the pathophysiology of neurodegenerative disorders-a review. *Iranian journal of basic medical sciences*, 20(6), 604-612. Cited in PubMed; PMID: 28868116.

Fatemeh Ayoobi, Amir Moghadam-Ahmadi, Houshang Amiri, Alireza Vakilian, Moslem Heidari, Habib Farahmand, et.al. (2019, Jan). *Achillea millefolium* is beneficial as an add-on therapy in patients with multiple sclerosis: A randomized placebo-controlled clinical trial. *Phytomedicine*, 59(.), 89-97. Cited in PubMed; PMID: 2018.06.017.

Fatemeh Ayoobi, Reza Bidaki, Ali Shamsizadeh, **Amir Moghadam-Ahmadi (corresponding author)**, Houshang Amiri. (2019, Dec). Impact of opium dependency on clinical and

neuropsychological indices of multiple sclerosis patients. *Neurological Sciences*, 40(12), 2501-2507.

Gholamreza Bazmandegan, Ali Shamsizadeh, Mohsen FathiNajafi, Zahra Assadollahi, Mohammad Allahtavakoli, Zahra Kamiab, et. al. (2020, Feb). Iranian brown propolis possesses neuroprotective effect against ischemic neuronal damage in mice. *Journal of Herbmec Pharmacology*, 9(2), 121-129.

Gholipour N. Sharifi Razavi E, Sharifi Razavi A, Kazemian M, Bakhshipour B, Mirzaeian B, Moghaddam Ahmadi A, Saeedinezhad H. (2013, Feb). The comparison of higher cognitive processes in multiple sclerosis patients and normal individuals. *Sadra Med Sci J*, 2(1), 75-82.

Irannezhad M. Moghadam Ahmadi A, Ranjbar E. (2016, Mar). A case Report of Human T-cell lymphotropic Virus Type 1(HTLV1) Infected Virus with Similar Multiple Sclerosis Symptoms in a Non-endemic Area. . *Armaghane-danesh*, 21(5), 513- 520.

K Ghandehari, A Pour Zahed, M Taheri, M Abbasi, S Gorjestani, A Moghaddam Ahmadi, MA Nahayati. (2009, Aug). Estimation of Iranian stroke patients eligible for intravenous thrombolysis with tPA. *International Journal of Stroke*, 4(4), 236.

Kavian Ghandehari, Atena Sharifi Razavi, Amir Moghaddam Ahmadi, Mahsa Sepandar, Mahmoud Taheri Heravi, Saeed Ebrahimzadeh. (2014, Mar). Investigation of the diagnostic value of aphasia and sensory-motor sings for topographic detection of lesions in the patients with cerebrovascular syndrome. *Sadra Medical Journal*, 2(2), 143-150.

Kavian Ghandehari, Mohsen Foroughipour, Ali Pourzahed, Marzieh Taheri, Maryam Abbasi, Shirin Gorjestani, Amir Moghaddam Ahmadi, Mohammad Ali Nahayati. (2010, Jun). Thrombolysis in stroke patients; problems and limitations. *Iranian Journal of Medical Sciences*, 35(2), 145-148.

Mohadeseh Mohammadi, Mohammadreza Rahmani, Ayat Kaeidi, Gholamreza Bazmandegan, Elham Hakimzadeh, Mohammad Allahtavakoli. (2020, Jul). Effect of Troxerotin on permanent cerebral ischemia in male mice. *Journal of Jiroft University of Medical Sciences*, 7(2), 374-383.

Mohammad Allahtavakoli, Mohammadamin Hosseini Kahnouei, Hossein Rezazadeh, Ali Roohbakhsh, Mohammad Hossein Mahmoodi, Amir Moghadam-Ahmadi, Mohammadreza Zarisfi. (2014, Jul). Delayed combination therapy of local brain hypothermia and decompressive craniectomy on acute stroke outcome in rat. *Iranian journal of basic medical sciences*, 17(7), 476482. Cited in PubMed; PMID: 25429337.

Mohammad Hossein Sorbi. Amir Moghadam Ahmadi, Hamideh Rezaeizadeh, Seyed-Ali Mostafavi, Reza Bidaki. (2019, Nov). Depressive Disorder in Patients with Alzheimer's Dementia and Their Caregivers: A Cross-Sectional study. *J Ment Health Aging*, 3(1). 64-68.

Mohammad-Reza Rahmani, Ali Shamsizadeh, Amir Moghadam-Ahmadi, Ayat Kaeidi, Mohammad Allahtavakoli. (2018, Apr). Monoacylglycerol lipase inhibitor, JZL-184, confers neuroprotection in the mice middle cerebral artery occlusion model of stroke. *Life sciences*, 198(.), 143-148. Cited in PubMed; PMID: j.lfs.2018.02.036.

Mohammad-Reza Rahmani, Ali Shamsizadeh, Amir Moghadam-Ahmadi, Gholamreza Bazmandegan,

Mohammad Allahtavakoli. (2018, Jul). JZL184, as a monoacylglycerol lipase inhibitor, down-regulates inflammation in a cannabinoid pathway dependent manner. *Biomedicine & Pharmacotherapy*, 103(.), 1720-1726. Cited in PubMed; PMID: 10.1016/j.biopha.201.

Mohsen Foroughipour, Amir Moghaddam Ahmadi, Sahar Fadaei, Khosro Ravankhah Moghaddam, Athena Sharifi Razavi. (2013, Mar). Causes of cerebral venous thrombosis and its clinical manifestation in patients admitted in emergency unit and neurology ward of Ghaem hospital. *Journal of Mazandaran University of Medical Sciences*, 23(98), 86-90.

Mohsen Forughipur, Ahmad Saheb-Alam, Ahmad Pourrashidi-Boshrahadi, Zahra Tafakhori, Athena Sharifi-Razavi, Amir Moghadam-Ahmadi. (2016, Dec). Magnetic Resonance Imaging (MRI) findings in patients with brain small vessel disease. *Internal Medicine and Medical Investigation Journal*, 1(2), 25-30.

Mohsen Forughipur, Amir Moghadam-Ahmadi, Ahmad Pourrashidi, Zahra Tafakhori, Atena Sharifi Razavi, Sahar Fadaee, et. al. (2013, Aug). Brain MRI findings in patients with optic neuritis. *Journal of Mazandaran University of Medical Sciences*, 23(103), 2026.

Monire Ravanbakhsh, Zahra Salehi, Fatame Arab Bani Asadi, Amir Moghadam Ahmadi, Rezvan Sadr Mohammadi. (2014, Dec). Study of Headache Prevalence and Measuring of Related Disabilities on Employees of Rafsanjan University of Medical Sciences in 2012. *Journal of Jiroft University of Medical Sciences*, 1(1), 131-138.

Mostafa Almasi-Doghaee, Reza Boostani, Morteza Saeedi, Saeed Ebrahimzadeh, Amir Moghadam Ahmadi, Mohammad Javad Saeedi-Borujeni. (2016, Jul). Carpal compression, Phalen's and Tinel's test: Which one is more suitable for carpal tunnel syndrome? *Iranian journal of neurology*, 15(3), 173-174.

Naeimehossadat Hosseini, Amir Moghaddam-Ahmadi, Mohammad Ali Abdolkarimi Dawarani, Reza Bidaki, Aboozar TajikSafa. (2013, Jun). Prolonged Vertigo Associated with Nystagmus: an Organic or a Psychiatric Disorder? Discussing a Case Report. *Galen Medical Journal*, 2(2), 83-86.

Nazanin Jalali, Elyar Sadeghi Hokmabadi, Abdoreza Ghoreishi, Payam Sariaslani, Shahram Rafie, Afshin Borhani-Haghighi, Amir Moghadam Ahmadi, Hossein Azin, Alireza Vakilian, Parvin Khalili & Mehdi Farhoudi (January 2023). Outcome predictors in anterior and posterior ischemic strokes: a study based on the Iranian SITS registry. *Scientific Reports*, volume 13, 1231. doi.org/10.1038/s41598-023-28465-8.

Nazanin Mozafari, Ali Shamsizadeh, Iman Fatemi, Mohammad Allahtavakoli, Amir Moghadam-Ahmadi, Elham Kaviani, Ayat Kaeidi. (2018, Jul). CX691, as an AMPA receptor positive modulator, improves the learning and memory in a rat model of Alzheimer's disease. *Iranian Journal of Basic Medical Sciences*, 21(7), 724-730. Cited in PubMed; PMID: 30140412.

Nazanin Mozafari, Amir Moghadam-Ahmadi, Ali Shamsizadeh, Iman Fatemi, Mohammad Allahtavakoli, Ayat Kaeidi. (2018, Jul). The effect of ampakine Farampator (CX691) on working memory in a rat model of Alzheimer's disease induced by Amyloid beta 1-42. *Iranian Journal of Physiology and Pharmacology*, 2(2), 107-100.

Payam Sasanejad, Leila Afshar Hezarkhani, Shahram Arsang-Jang, Georgios Tsivgoulis, Abdoreza

Ghoreishi, Barlinn Kristian, et. al. (2021, Dec). Safety and outcomes of intravenous thrombolytic therapy in ischemic stroke patients with COVID-19: CASCADE initiative. *Journal of stroke and cerebrovascular diseases*, 30(12), 106-121. Cited in PubMed; PMID: 34601242.

Payam Sasannejad, Mahmoud Reza Azarpazhooh, Hossein Rahimi, **Amir Moghaddam Ahmadi (Corresponding author)**, Ali Mellat Ardakani, Hamid Reza Saber. (2012, Aug). Guillain-Barré-like Syndrome, as a Rare Presentation of Adult T-cell Leukemia-Lymphoma (ATLL): A Case Report. *Iranian Red Crescent Medical Journal*, 14(8), 497-498. Cited in PubMed; PMID: 23105989.

R Bidaki, A Sahebasagh, Y Rameshi, A Khaleghi, **A Moghadam Ahmadi (corresponding author)**, G Moenian Bagheri. (2021, May). Comparing the Frequency Tramadol Abuse in Seizure and Non-Seizure Complaint Patients Referred to Neurology Emergency Department of a University Affiliated Hospital. *Adv Pharmacol Ther J*, 1(2), 58-64.

Reza Bidaki, Amir Moghadam Ahmadi, Fereshteh Solhdoost, Fatemeh Zarein, Mostafa Saberi Hoseinabad. (2021, Mar). The Relative Frequency of depression in Patients with Drugs Poisoning Admitted to Hospital of Rafsanjan, Iran. *Journal of Clinical Psychology and Mental Health Care*, 14(24), 25-29.

Reza Bidaki, Niloofar Majidi, Amir Moghadam Ahmadi, Hamid Bakhshi, Rezvan Sadr Mohammadi, Seyed-Ali Mostafavi, et.al. (2018, Jul). Vitiligo and social acceptance. *Clinical, Cosmetic and Investigational Dermatology*, 11(.), 383–386. Cited in PubMed; PMID: 30046249.

Sasannejad Payam, **Moghadam-Ahmadi Amir (corresponding author)**, Shahsavari Sasan, Pourrashidi-Boshrahadi Ahmad, Tafakhori Zahra, Sharifi-Razavi Athena. (2015, Jun). Treatment of patients with suspected brain tuberculoma before or without bacteriologic confirmation in endemic places: report of two cases. *Acta Neurologica Belgica*, 115(2), 181-185.

Vahid Bagheri, Hossein Khorramdelazad, Gholamhossein Hassanshahi, Amir Moghadam-Ahmadi, Alireza Vakilian. (2019, Jan). CXCL12 and CXCR4 in the peripheral blood of patients with Parkinson's disease. *Neuroimmunomodulation*, 25(4), 201-205. Cited in PubMed; PMID: 30428473.

2-Peer Reviewed Book Chapter

A. Shamsizadeh, A. Roohbakhsh, F. Ayoobi, A. Moghaddam-ahmadi. (2017). "The role of natural products in the prevention and treatment of Multiple Sclerosis". In R. R. Watson, W. D. S. Killgore (Ed.), "Nutrition and Lifestyle in Neurological Autoimmune Disorders" (pp. 249-260). Tucson: Elsevier.

Mario F. Muñoz, Francesco Marotta, Amir Moghadam Ahmadi, Azam Yazdani, Fang He, Roberto Catanzaro, Cristina Garzón-Rodríguez & Antonio Ayala (31 January 2023). "Anti-aging and Rejuvenation Based on Stem Cell Therapy". In Rizvi, S.I. (eds) "Emerging Anti-Aging Strategies. Springer, Singapore". https://doi.org/10.1007/978-981-19-7443-4_5 (Chapter 46: pp 79-98).

Amir Moghadam Ahmadi, Fatemeh Ayoobi, Zahra Jamali, Francesco Marotta. (2022). "Stem cells signaling pathways and surface receptors: implications for Multiple Sclerosis treatment". In (accepted to be published in 2023) (Ed.), *STEM CELLS AND SIGNALING PATHWAYS* (pp.). Cambridge: Elsevier.

Atena Sharifi-Razavi, Amir Moghadam Ahmadi, Ashkan Mowla. *Pictorial Atlas of Neuroradiological Signs*. (Accepted to be published in 2024) (Ed.), Boston: Elsevier

3-Peer Reviewed Online Publication

Fereshteh Solhdoost, Rezvan Sadr Mohammadi, Amir Moghadam Ahmadi, Reza Bidaki, Seyed Ali Mostafavi, Mojde Bahmanyar, et. al. (2015, December 12). Frequency of anxiety in patients with drug poisoning in Rafsanjan City, Iran, in 2013. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4744909>.

Nadjme Anbiaee, Zahra Tafakhori, Amir Moghadam-Ahmadi, Golsa Akbarian. (2015, April 22). Osteosclerosis in a thirtyfour-year-old woman with primary hyperparathyroidism. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4393636>.

Oral Presentation

Amir Moghadam Ahmadi, Fatemeh Ayoobi, Zahra Jamali. (Upcoming World Congress of Neurology, October 2023) Signaling pathways for stem cell therapy in Multiple Sclerosis and their implications for treatment. [Invited for oral presentation]. World Congress of Neurology/ Montreal, Canada.

Amir Moghadam Ahmadi. (27 September 2023). Disease-modifying treatments for ALS. [Invited for oral presentation]. 5th Iranian International Congress on Neuromuscular Disorders/ Mashhad, IRN.

Amir Moghadam Ahmadi. (2021, December 03). Impact of opium dependency on clinical and neuropsychological indices of multiple sclerosis patients [Oral Presentation]. 18th international Iranian Congress of Multiple Sclerosis/Tehran, IRN.

Amir Moghadam Ahmadi. (2021, December 17). Neuroprotection in acute stroke [Oral Presentation]. International Iranian stroke and cerebrovascular congress/Tehran, IRN.

Amir Moghadam Ahmadi, Atena Sharifi Razavi, Reza Boostani. (2013, October 24). Two cases of HTLV1 infection misdiagnosed as multiple sclerosis [Oral Presentation]. 10th International Iranian MS Congress & 1st International Iranian Congress on Devic Syndrome, Isfahan, IRN.

Poster Presentation

Amir Moghadam Ahmadi, Fatemeh Ayoobi, Alireza Vakilian, Parvin Khalili. (Upcoming World Stroke Congress, October 2023) Association between Metabolic Syndrome and Stroke: A Population-based Cohort Study. [Short communication and poster presentation]. World Stroke Congress/ Toronto, Canada.

Athena Sharifi-Razavi, Nasim Tabrizi, Amir Moghadam Ahmadi. (Upcoming World Stroke Congress, October 2023) Efficacy of Ticagrelor plus Aspirin in Minor Non-cardioembolic Ischemic Stroke (TACAMINIS): A Protocol of a Randomized Controlled Trial. [Short communication and poster presentation]. World Stroke Congress/ Toronto, Canada.

Amir Moghadam Ahmadi, Fatemeh Ayoobi, Habibolah Farahmand. (2023, Feb23). Relationship between Radiological, Clinical, and Cognitive Indices in Multiple Sclerosis Patients [Poster Presented]. Annual international Congress of ACTRIMS: American Committee for Treatment and Research in Multiple Sclerosis/ San Diego, CA, US.

Fatemeh Ayoobi, Reza Vazirinejad, Amir Moghadamahmadi, Ali Shamsizadeh. (2015, December 16). Effect of aqueous extract of *Achillea millefolium* on the development of experimental autoimmune

encephalomyelitis in C57BL/6 mice [Poster presented]. International MS Congress of Iran/ Tehran, IRN.

A. Moghadam-Ahmadi, R. Boostani, Z. Tafakhori, A. Sharifi-Razavi. (2014, October 18). MS-like presentations of HTLV-1 infection: Case-series and review of literature [Poster presented]. Annual international congress of MENACTRIMS: Middle-East North Africa Committee for Treatment and Research in Multiple Sclerosis/ Dubai, UAE.

Amir Moghadam Ahmadi, Fardin Hodoodi, Fatemeh Ayoobi, Ehsan Esmaeeli. (2021, May 20). The Effect of Head Cooling and Remote Ischemic Conditioning on Improvement of Patients with Traumatic Brain Injury [Poster presented]. Australia and New Zealand Academy of Neurology (ANZAN) 2021. Annual Scientific Meeting/ Sydney, AUS.

Amir Moghadam Ahmadi, Fatemeh Ayoobi, Ali Shamsizadeh. (2019, November 15). Achillea millefolium is beneficial as an add-on therapy in patients with multiple sclerosis: a randomized placebo-controlled clinical trial. [Poster presented]. [16th international Congress on Multiple Sclerosis/Mashhad, IRN.

Amir Moghadam Ahmadi, Fatemeh Ayoobi, Alireza Vakilian. (2015, November 19). Evaluating the epidemiologic characteristics of multiple sclerosis patients in Rafsanjan, Iran [Poster presented]. 12th international congress on Multiple Sclerosis/Tehran, IRN.

Amir Moghadam Ahmadi, Kavian Ghandehari. (2011, April 29). Usefulness of Transcranial Doppler in pediatric stroke patients [Poster presented]. 18th national Iranian congress of neurology and clinical electrophysiology/Tehran, IRN.

Amir Moghadam Ahmadi; Allahtavakoli, Mohammad; Shamsizadeh, Ali; Roohbakhsh, Ali; Vakilian, Alireza; et. al. (2017, February 01). Increased Expression of Toll-Like Receptor 2 mRNA Following Permanent Middle Cerebral Artery Occlusion in Rat: Role of TRPV1 Receptors [Poster presented]. The 9th Iranian Stroke Congress/Tehran, IRN.

Amir Moghadam-Ahmadi, K Ghandehari, A Sharifi-Razavi, Z Tafakhori. (2013, May 15). Intraventricular Hemorrhage in Hemorrhagic Transformation of Brain Infarction [Poster presented]. 22nd European stroke conference/London, GBR.

Amir Moghadam-Ahmadi, Mohsen Forughipur, Ahmad Saheb-Alam, Ahmad Pourrashidi-Boshrahadi, Zahra Tafakhori, Athena Sharifi- Razavi. (2013, November 27). Magnetic Resonance Imaging (MRI) findings in patients with brain small vessel disease [Poster presented]. 6th national & first international Iranian stroke congress/Tabriz, IRN.

Amir Moghadam Ahmadi, Iman Fatemi, Ali Shamsizadeh, Fatemeh Ayoobi. (2015, February 12). Role of Orexin-A in Experimental Autoimmune Encephalomyelitis [Poster presented]. Iranian Congress of Physiology and Pharmacology. Kashan, IRN.

Mohammad Allahtavakoli, Ali Shamsizadeh, Ali Roohbakhsh, Amir Moghadam-Ahmadi, Mohammad Reza Rahmani, Gholamreza Bazmandegan. (2017, February 01). The Possible Role of Toll-Like Receptor 4 in the Pathology of Stroke [Poster presented]. The 9th Iranian Stroke Congress/Tehran, IRN.

Z Tafakhori, A Moghadam-Ahmadi, A Sharifi-Razavi. (2014, October 18). Brain MRI findings in Iranian patients with optic neuritis
(<https://www.sciencedirect.com/science/article/abs/pii/S2211034814002715>)
[Poster presented]. The first MENACTRIMS congress/Dubai, UAE.

References:

1- Abdolmohamad Rostami, MD, PhD (my supervisor at Jefferson Neurological Sciences Laboratory)

Professor of Neurology, Head of Department,
Thomas Jefferson University, Philadelphia, PA, US

A.M.Rostami@jefferson.edu

Phone: +1(215)520-1335

2- Silva Markovic-Plese, MD, PhD (I shadow the Multiple Sclerosis tertiary clinic with her)
Associate Professor of Neurology, Multiple Sclerosis Fellowship

Thomas Jefferson University, Philadelphia, PA, US

Silva.Markovic-Plese@jefferson.edu

3- Ali Shamsizadeh, PhD (Vice Chancellor for Research at Rafsanjan University)

Professor of Physiology, Head of Department

Rafsanjan University of Medical Sciences, Rafsanjan, Iran

a_shamsizadeh@rums.ac.ir

4- Mohamad Kazemi Arababadi, PhD

Professor of Immunology,

Rafsanjan University of Medical Sciences, Rafsanjan, Iran

m_kazemiarabadi@rums.ac.ir