

Pezhman Madani, MD
Associate Professor of PRM,
Iran University of Medical Sciences,
Fellowship of Neuromuscular, EMG, and neurological rehabilitation,
Clinical and research fellowship of ALS,
McGill, MNI

Curriculum Vitae

Name, degree

Pezhman Madani, MD.

Current Rank, Department

Associate professor, Iran University of Medical Sciences, School of Medicine, Department of Physical Medicine and rehabilitation

Date

October /07/2024

Contact Information

University address: Department of Physical medicine and Rehabilitation, Firoozgar Hospital, Vali e Asr square, Beh Afareen Street, Tehran, Iran. Postal Code: 1593748711

Business address: Flat 2, No. 1, 75th Physician Building, Royan Alley, Keshavarz Boulevard, Tehran, Iran. Postal Code: 1415983418

Phone and Fax Number

(+98) 21 8896 9331

Email

pejman599@yahoo.com

Madani.sp@iums.ac.ir

Education

- ❖ High school Diploma: 09/22/1988, Shiraz University High School, Shiraz, Iran.
- ❖ Doctor in Medicine (M.D.): 09/22/1995, Shiraz University of Medical Sciences.
 - Title of Thesis: *Effect of endorphins on pain and nervous system* (1995, Advisor: B. Kazemi M.D.) Medical Licence:1995

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- ❖ Specialty in physical Medicine and Rehabilitation - Electrodiagnosis: 09/22/1998, Shiraz University of Medical Sciences,
 - Title of Thesis: *Correlation of Cortical Somatosensory Evoked Potentials with MRI in patients with Lumbosacral Radiculopathy* (1998, Advisor: S.M Jazayeri M.D.)
- ❖ Fellowship in Neuromuscular, EMG, and neurological rehabilitation: 01/07/2018 – 30/06/2019
- ❖ ALS Clinical and Research Fellowship, McGill University, Montreal Neurological Institute and Hospital (2019-2021)

Certifications

- ❖ License of Medical Doctor (1995)
- ❖ Iranian board of Physical Medicine and Rehabilitation – Electrodiagnosis (1998)
- ❖ Neuromuscular, EMG, and Neurological rehabilitation fellowship, McGill (2019)
- ❖ Canadian Society of Clinical Neurophysiologists Diplomate in EMG (June 2019)
- ❖ ALS Clinical and Research Fellowship, McGill, (2021)

Employment History

- ❖ ALS Clinical and Research Fellow, McGill University, Montreal Neurological Institute and Hospital. (2019-2021)
- ❖ Associate professor of Physical Medicine and Rehabilitation, Iran University of Medical Sciences. Tehran, Iran. (2015-present)
- ❖ Assistant professor of Physical Medicine and Rehabilitation, Iran University of Medical Sciences. Tehran, Iran. (2000-2015)
- ❖ Assistant professor of Physical Medicine and Rehabilitation, Khorramabad University of Medical Sciences. Chief, Rehabilitation and Electrodiagnosis Ward, Ashayer General Hospital, Khorramabad, Iran. (1998-1999)
- ❖ Chief Resident, Shiraz University of Medical sciences. Department of Physical Medicine and Rehabilitation - Electro diagnosis. (1997-1998)

Professional Society Memberships

- ❖ Canadian Society of Clinical Neurophysiologist (2020-present)
- ❖ Iranian Medical Association (1995-present)
- ❖ Iranian Society of Physical Medicine and Rehabilitation-Electrodiagnosis (1998-present)
- ❖ Iranian Association of Medical Education (2004-2007)
- ❖ International society of physical and rehabilitation medicine (2006-2007)

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Clinical expertise

- ❖ Multidisciplinary/interdisciplinary approach and management in ALS/ MND patients
- ❖ Electrodiagnosis in Nerve Damage, Brachial Plexus Injury for localization and prognostication
- ❖ Electrodiagnosis in Radiculopathies
- ❖ Electrodiagnosis in Peripheral Neuropathies especially acquired neuropathies such as Diabetic Neuropathy, Vasculitis induced neuritis
- ❖ Electrodiagnosis in Myopathies especially acquired myopathies such as Polymyositis
- ❖ Electrodiagnosis in Facial Palsy (Trauma, Compression, Bell's) Localizing the involved branch for reconstructive surgeries
- ❖ Physiatric management of Musculoskeletal disorders especially Radiculopathies and Degenerative Joint Diseases: Coordination of rehabilitation team management (PT, OT, TO), Intra articular injections.
- ❖ Rehabilitation in Diabetic Neuropathy
- ❖ Rehabilitation in Osteoporosis
- ❖ Hand Rehabilitation

Sites of primary practice:

- ❖ Montreal Neurological Institute and Hospital: neuromuscular, EMG and neurological rehabilitation clinics (one-year clinical fellowship, Director: Professor Daria Trojan). Participation in many clinics, including weekly neuromuscular, weekly peripheral neuropathy, biweekly neurological rehabilitation (the biggest post-polio rehabilitation clinic in Canada), and at least three full or half-day EMG/Single fiber clinics each week. (2018-2019)
- ❖ Montreal Neurological Institute and Hospital: ALS multidisciplinary biweekly clinics (one-year ALS Clinical and Research fellowship, Director: Professor Angela Genge).
 - 10-15 follow-up and at least one new case in each clinic.
- ❖ Hazrat Fatemeh University Hospital for Plastic and Reconstructive Surgery containing a Referral Hand, Maxillofacial Department with more than 10000 cases of nerve/Tendon damage and brachial plexus injury each year who refer for electrodiagnosis and Hand Rehabilitation.
- ❖ Iran Rheumatology Centre as largest private referral center for Rheumatologic patients in Iran with more than 1000 cases for electrodiagnosis each year.
- ❖ Busy Private Clinic with more than 5 referral cases for general electrodiagnosis in each day and 15 Musculoskeletal cases for physiatrist visit and management.
 - Total time spent in clinical duties

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- Weekdays 8 am to 2 pm in university hospital
- Weekdays 3pm to 9 pm in private clinics

Administrative Service

- ❖ Chairman, Rehabilitation and Electrodiagnosis Ward, Shafayahyaian Rehabilitation Hospital, Iran University of Medical Sciences. Tehran, Iran: (2000-2006)
 - staff of 25 in physiotherapy, occupational therapy and technical orthopedic parts in addition to electrodiagnosis and physiatry clinic with totally more than 40000 visits in all parts.
- ❖ One of curriculum developers for Medical Doctorate training program. (2005)
- ❖ Chairman, Rehabilitation and Electrodiagnosis Ward, Firoozgar General Hospital, Iran University of Medical Sciences. Tehran, Iran. (2006-2007)
 - Starting complete renovation of ward and instruments to be prepared for residency training.
- ❖ Chairman, Rehabilitation and Electrodiagnosis Ward, Hazrat Fatemeh University Hospital for Plastic and Reconstructive Surgery, Iran University of Medical Sciences, Tehran, Iran. (2007-2020)
 - Foundation of Electrodiagnosis Lab and Hand Rehabilitation Centre.
- ❖ One of Main Participants in Foundation of Residency training program in Physical Medicine and Rehabilitation-Electrodiagnosis, Iran University of Medical Sciences. (Residency training since 2009)
- ❖ Research Vice-Chancellor, Department of Physical Medicine & Rehabilitation, Iran University of Medical Sciences. (2009-present)
 - Scientific & Methodological evaluation /preparation of more than 150 research proposals of department to present in Research committee of university for final approval.
- ❖ Chairman, Rehabilitation and Electrodiagnosis Ward, Moheb Hazrat Fatemeh General Hospital, Iran University of Medical Sciences, Tehran, Iran. (2014-2015)
- ❖ One of Main Participants in Foundation of Neuromusculoskeletal Research Center of the department of Physical Medicine and Rehabilitation-Electrodiagnosis, Iran University of Medical Sciences.
- ❖ Founding Board member of neuromusculoskeletal research center. (2016 - present)
- ❖ Director of Electrophysiology subdivision of neuromusculoskeletal research center. (2016-present)

Local and National Service

- ❖ Member, Medical Education Committee, Iran University of medical Sciences (2005)

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- ❖ Journal Manuscript Reviewer, Medical Journal of Islamic Republic of Iran (In English, 2009-present)
- ❖ Journal Manuscript Reviewer, Iranian Journal of Medical Sciences (In English, 2014)

Observerships

- ❖ Clinical Neuroscience: University of Calgary, Division of Neurology, Electrodiagnosis (EMG-NCV), Host Practitioner: Dr. Chris White (11th Nov 2016-1st Dec 2016)
 - Experience in Sought Health Campus about electrophysiology Lab development.
 - Experience in Sought Health Campus about Canadian rules for Multispecialty clinic management for chronic neurology diseases (Motor Neuron Disease) including medical specialists, rehabilitation team, general and rehabilitation nurse.
 - Experience in Sought Health Campus about Canadian rules for basic residency training programming in neurology.
 - Experience in Sought Health Campus about multimodal vertigo clinic and lab management.
 - Experience in Foothills Center about Canadian routines for electrophysiology lab management in rare neurophysiologic studies (Single fiber EMG, Diaphragm study)
 - Experience in Foothills Center about Canadian routines for managing multidisciplinary case presentation conference and research day.
- ❖ Clinical Neuroscience: University of Calgary, Division of Physical Medicine and Rehabilitation, Chronic Pain Program, Host Practitioner: Dr. Noorshina Virani (9th Jan 2017-15th March 2017)
 - Experience in Richmond Road Diagnostic and Treatment Centre (RRDTC) about Multidisciplinary clinic management for chronic pain including all related medical specialists, rehabilitation team (OT, PT, Kinesiologist, Nutritionist, Social worker, general and rehabilitation nurse).
 - Experience in RRDTC about self-management clinics
 - Experience in RRDTC about Canadian rules for basic residency training programming in physical medicine and rehabilitation.
- ❖ Musculoskeletal ultrasound and interventions under fluoroscopic guidance: Montreal University, Division of Physical Medicine and Rehabilitation, Host Practitioner: Dr. Luong (2nd March 2018-21st March 2018)
 - Experience in Hotel-Dieu Hospital about the indications, precautions, contraindications, side effects and complications in US-guided interventions.

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- Experience in Hotel-Dieu Hospital about the indications, precautions, contraindications and complications of interventions under fluoroscopic guidance.
- Experience in Hotel-Dieu Hospital about Quebec rules for basic residency training programming in physical medicine and rehabilitation.

Teaching Service

- ❖ Assistant lecturer (2003-2005) Physiatric approach to disability, Students of physical therapy, occupational therapy and technical orthopedists
- ❖ Lecturer (2006) Rehabilitation management of Repaired Tendon, Subspecialty residents of Reconstructive surgery
- ❖ Lecturer (2007) Electrodiagnosis in peripheral nerve damage, Subspecialty residents of Reconstructive surgery
- ❖ Lecturer (2007) Post reconstructive surgery Rehabilitation, Subspecialty residents of Reconstructive surgery
- ❖ Attending Physician In-patient Service (2009)
 - one resident of sports medicine (Rehabilitation Rotation)
 - 2 hours/day, 3 months
- ❖ Lecturer (2011-2015) Physiatriy physical examination of Hip & Pelvis, 10 Residents of physical medicine and rehabilitation- 6 contact hours/year
- ❖ Lecturer (2011-2017) Rehabilitation in neck and back musculoskeletal disorders, 10 Residents of physical medicine and rehabilitation- 14 contact hours/year
- ❖ Lecturer (2011-present) Electrodiagnosis in peripheral nerve damage, Brachial plexopathy and acquired neuropathies, 10 Residents of physical medicine and rehabilitation- 6 contact hours/year
- ❖ Lecturer (2021-present) Nerve conduction studies (Electrodiagnostic Medicine, Daniel Dumitru, Chapter 5), 25 Residents of physical medicine and rehabilitation- 2 contact hours/year Lecturer
- ❖ Lecturer (2021-present) Instrumentation (Electrodiagnostic Medicine, Daniel Dumitru, Chapter 3), 25 Residents of physical medicine and rehabilitation- 2 contact hours/year
- ❖ Lecturer (2021-present) Disorders affecting Motor Neurons (Electrodiagnostic Medicine, Daniel Dumitru, Chapter 16), 25 Residents of physical medicine and rehabilitation- 4 contact hours/year
- ❖ Attending Physician In-patient Service / electrodiagnosis lab (2011-2016, 2020-present)
 - 2 residents changing each trimester
 - 6 hours/day, 9 months/year

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Patents, Inventions

- 1- *Diabetics Shoe with nanotechnology*. (2008 – Iranian Patent)
- 2- *Neurotec*, Pharmaceutically active extract, a method for its preparation and the use thereof. (31.03.2015 – European Patent)

Publications

Peer-reviewed journal articles

- 1- Effects of weight loss after bariatric surgery on the median and ulnar nerves conduction studies. Alemrajabi M, Raissi GR, Sajadi S, Ahadi T, Madani SP, Mansoori K, Tirandazi B. *Am J Surg*. 2023 Apr;225(4):753-757. doi: 10.1016/j.amjsurg.2022.11.020. Epub 2022 Nov 18. PMID: 36462960
- 2- A Three months Electrodiagnostic Follow-Up of Patients Suspected of having Ulnar Nerve Involvement at Elbow Level with Normal Conventional Electrodiagnostic Study at First Evaluation Korosh Mansoori, Gholam Reza Raissi , Seyed Pezhman Madani, Milad Ameri, Masoume ZoghAli, Simin Sajadi. *Neurol India*. 2022 Sep-Oct;70(5):1920-1924. doi: 10.4103/0028-3886.359279.
- 3- Neuropathic Pain Symptom Inventory (NPSI) Questionnaire-Persian Version Can Differentiate Neuropathic from Non-Neuropathic Pain. Seyed Pezhman Madani, Khatereh Abdolmaleki, Tannaz Ahadi, Kouros Mansoori, Gholam Reza Raissi. *Pain Manag Nurs*. 2022 Aug 16; PMID: 35985908
- 4- The incidence and characteristics of chronic pain and fatigue after 12 months later admitting with COVID-19; The Post- COVID 19 syndrome. Janbazi L, Kazemian A, Mansouri K, Madani SP, Yousefi N, Vahedifard F, Raissi G. *Am J Phys Med Rehabil*. 2022 Apr 13. doi: 10.1097/PHM.0000000000002030. Online ahead of print. PMID: 35473921
- 5- Comparison of the Effect of Ultrasound-Guided Injection of Botulinum Toxin Type-A and Corticosteroid in the Treatment of Chronic Plantar Fasciitis: A Randomized Controlled Trial
Tannaz Ahadi, Sasan Sadeghi Nik, Bijan Forogh, Seyed Pezhman Madani, Gholam Reza Raissi. *Am J Phys Med Rehabil*. 2021 Oct 7. doi: 10.1097/PHM.0000000000001900. Online ahead of print.

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- 6- Role of interdigital sensory nerve conduction study as a noninvasive approach for early diagnosis of diabetic peripheral neuropathy. Hamid R. Fateh & Seyed Pezhman Madani *Journal of Diabetes & Metabolic disorders*. 2021 Feb. 15. [Epub]
- 7- Comparison of Ultrasound-Guided Local Ozone (O2-O3) Injection Vs Corticosteroid Injection in Patients with Mild to Moderate Carpal Tunnel Syndrome. Bijan Forough, Hossein Mohamadi, Hamid Reza Fadavi, Pejman Madani, Negar Aflakian, Fateme Ghazaie, Arash Babaei-Ghazani. *Am J Phys Med Rehabil*. 2021 Feb 1;100(2): 168-172. doi: 10.1097/ PHM.0000000000001546. PMID: 32732745
- 8- Comparison of Ultrasound-Guided Local Ozone (O2-O3) Injection vs Corticosteroid Injection in the Treatment of Chronic Plantar Fasciitis: A Randomized Clinical Trial. Babaei-Ghazani A, Karimi N, Forogh B, Madani SP, Ebadi S, Fadavi HR, Sobhani-Eraghi A, Emami Razavi SZ, Raeissadat SA, Eftekharsadat B. *Pain Med*. 2019 Feb 1;20(2):314-322. doi: 10.1093/pm/pny066.
- 9- The effects of ultrasound-guided corticosteroid injection compared to oxygen-ozone (O2-O3) injection in patients with knee osteoarthritis: a randomized controlled trial. Babaei-Ghazani A, Najarzadeh S, Mansoori K, Forogh B, Madani SP, Ebadi S, Fadavi HR, Eftekharsadat B. *Clin Rheumatol*. 2018 Sep; 37(9):2517-2527. doi: 10.1007/s10067-018-4147-6. Epub 2018 May 24.
- 10- Comparison of Ultrasound-Guided Local Ozone (O2-O3) Injection vs Corticosteroid Injection in the Treatment of Chronic Plantar Fasciitis: A Randomized Clinical Trial. Babaei-Ghazani A, Karimi N, Forogh B, **Madani SP**, Ebadi S, Fadavi HR, Sobhani-Eraghi A, Emami Razavi SZ, Raeissadat SA, Eftekharsadat B. *Pain Med*. 2018 May 30. doi: 10.1093/pm/pny066. [Epub ahead of print]
- 11- The Effectiveness of Radial Extracorporeal Shock Waves for Treatment of Carpal Tunnel Syndrome: A Randomized Clinical Trial. Raissi GR, Ghazaei F, Forogh B, **Madani SP**, Daghighzadeh A, Ahadi T. *Ultrasound Med Biol*. 2017 Feb;43(2):453-460. doi: 10.1016/j.ultrasmedbio.2016.08.022.
- 12- Repeated sessions of transcranial direct current stimulation evaluation on fatigue and daytime sleepiness in Parkinson's disease. Forogh B, Rafiei M, Arbabi A, Motamed MR, **Madani SP**, Sajadi S. *Neurol Sci*. 2017 Feb;38(2):249-254. doi: 10.1007/s10072-016-2748-x. Epub 2016 Oct 31.

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- 13- The effect of thumb splinting on thenar muscles atrophy, pain, and function in subjects with thumb carpometacarpal joint osteoarthritis. Arazpour M, Soflaei M, Ahmadi Bani M, **Madani SP**, Sattari M, Biglarian A, Mosallanezhad Z. *Prosthet Orthot Int.* 2017 Aug;41(4):379-386. doi: 10.1177/0309364616664149. Epub 2016 Sep 19.
- 14- Comparison of the efficacy of a neutral wrist splint and a wrist splint incorporating a lumbrical unit for the treatment of patients with carpal tunnel syndrome. Golriz B, Ahmadi Bani M, Arazpour M, Bahramizadeh M, Curran S, **Madani SP**, Hutchins SW. *Prosthet Orthot Int.* 2016 Oct;40(5):617-23. doi: 10.1177/0309364615592695.
- 15- Correlation of Michigan neuropathy screening instrument, United Kingdom screening test and electrodiagnosis for early detection of diabetic peripheral neuropathy. Fateh HR, **Madani SP**, Heshmat R, Larijani MB. *Journal of Diabetes & Metabolic Disorders.* (2016) 15:8 DOI 10.1186/s40200-016-0229-7
- 16- Effect of a new hand-forearm splint on grip strength, pain, and function in patients with tennis elbow. Najafi M, Arazpour M, Aminian G, Curran S, **Madani SP**, Hutchins SW. *Prosthet Orthot Int.* 2016 Jun;40(3):363-8. doi: 10.1177/0309364615592694.
- 17- Laser Therapy After Repair of the Distal Half of the Median Nerve; a Comparative Study. Kamal Seyed Forootan ; Siamak Farokh Forghani ; **Seyed Pezhman Madani** ; Hamid Karimi Estahbanati ; Nazilla Sadat Seyed Forootan. *Trauma Mon.*; Vol20, No 2, May 2015: e23816
- 18- An Innovative Randomly Oriented Laminated Composite Model for Articular Cartilage Tissue. Mohammad Mehdi Elhamian, Mansour Alizadeh, Mahmood mehrdad Shokrieh, Alireza Karimi and **Pejman Madani**. *Journal of Biomaterials and tissue engineering* Vol 4, Aug. 2014, pp 645-650.
- 19- Transversely isotropic micromechanics model to determine effect of collagen fiber angle in mechanical properties of articular cartilage. S. Mohammad Mehdi Elhamian, M. Alizadeh, M Mehrdad Shokrieh, A. Karimi, **S.Pejman Madani**. *Materials Technology*, Vol 29, Issue 6, Nov 2014, pp 377-383.
- 20- Sacroiliac joint dysfunction in patients with herniated lumbar disc: a cross-sectional study. **Madani SP**, Dadian M, Firouznia K, Alalawi S. *J Back Musculoskelet Rehabil.* 2013;26(3):273-8. doi: 10.3233/BMR-130376.

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- 21- Validity and reliability of the persian (Farsi) version of the DN4 (Douleur Neuropathique 4 Questions) questionnaire for differential diagnosis of neuropathic from non-neuropathic pains. **Madani SP**, Fateh HR, Forogh B, Fereshtehnejad SM, Ahadi T, Ghaboussi P, Bouhassira D, Raissi GR. *Pain Pract.* 2014 Jun;14(5):427-36. doi: 10.1111/papr.12088. Epub 2013 Jun 14.
- 22- The prevalence of diabetic peripheral neuropathy and related factors. Tabatabaei-Malazy O, Mohajeri-Tehrani M, **Madani S**, Heshmat R, Larijani B. *Iran J Public Health.* 2011;40(3):55-62. Epub 2011 Sep 30.
- 23- Effects of Semelil (ANGIPARS™) on diabetic peripheral neuropathy: A randomized, double-blind Placebo-controlled clinical trial. Bakhshayeshi S, **Madani S**, Hemmatabadi M, Heshmat R, Larijani B. *Daru.* 2011;19(1):65-70.
- 24- Association between Anthropometric Measures and bone mineral density: population - based study. HR Aghaei Meybodi, M Hemmat-abadi, R Heshmat, M Rezaei Homami, **S Madani**, M Ebrahimi, H Adibi, *B Larijani. *Iranian Journal of Public Health, Vol 40, No.2, 2011, pp.18-24*
- 25- Survey of general practitioners' attitudes toward physical medicine and rehabilitation. Raissi GR, Mansoori K, **Madani P**, Rayegani SM. *Int J Rehabil Res.* 2006 Jun; 29 (2) :167-70.

Non-peer-reviewed journal articles

- 1- The Validity and Reliability of a New Modified Persian Version of DN4 to Discriminate Non-neuropathic from Neuropathic pain. Seyed Pezhman Madani, Korosh Mansouri, Shahla Asadi, Safoora Ebadi. *Int J Basic Sci Med.* 2021;6(1):37-41. doi: 10.34172/ijbsm.2021.06
- 2- Evaluation of Hospital Learning Environment for Physical Medicine and Rehabilitation Residency in Iran. Seyed Pezhman Madani, Jalil Koochpayehzadeh, Tannaz Ahadi, Korosh Mansoori, Neda Taghvadoost, Ali Ahmadi, Gholam Reza Raissi. *Journal of Physical Medicine, Rehabilitation and Electrodiagnosis.* 2019 Aug (acceptance)
- 3- Conventional Vs reverse nerve grafting for peripheral nerve repair in lower extremity of rats. Akbari H, Fatemi M.J, Shakour Z, Mousavi S.J, Madani P, Pedram M.S. *Tehran University Medical Journal, Vol 70, No 10, Jan 2013, pp: 601-607.*

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- 4- Comparison of clinical criteria with neurophysiologic findings of sural nerve in diagnosis of diabetic peripheral neuropathy. Seyed Pejman Madani, Bagher Larijani, Mohammad Hashem Erfani, Ramin Heshmat. Iranian Journal of Diabetes and Lipid Disorders, Vol. 3 No 1, Spring-Summer 2004, pp:135-140.
- 5- Correlation between cortical somatosensory evoked potentials and MRI in patients with lumbosacral radiculopathy. S.M Jazayeri, B. Kazemi, **P. Madani**, S. Alavi. Iranian Journal of Medical Sciences, Vol 25, No 1& 2, June 2000, pp: 62-66.

Web based journal articles

- 1- Anatomical effects of silver nanoparticles coat leather on diabetic foot ulcer Mohammad Reza Mohajeri-Tehrani, Maryam Aalaa, Aliasghar Aalaa, Nahid Rohipour, Mahnaz Sanjari, Patricia Khashayar, FereshtehShahcheraghi, Maryam Khashayarfard, Ramin Heshmat, **Seyed Pezhman Madani**, Hamid reza Aghaei Meybodi, Laleh Maleknia and Bagher Larijani. Open Access Scientific Reports 2012

Books

Iranian National – Regional guideline for diabetic foot management. Pazhuhi M, Mohajeri- Tehrani MR, **Madani SP**, Tabataei O, Aalaa M, Shojaeifard A, Rashidian A, Hoseini S, Khalilifard A, Hoseini P, Bandarian F, Amini S, Amirkalali B, Nejati S.

Book Chapters

Fateh HR, **Madani SP**, *Foot wears* In Moghaddasi M, Faezi T, *Rheumatology and physical medicine*. (PP.123-134) 1st Edition, Noavaran Sina, 2017

Abstracts and/or Proceedings

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- 1- Correlation between cortical somatosensory evoked potentials and MRI in patients with lumbosacral radiculopathy. **P.Madani**, S.S. Alavi, S.M. Jazayeri .14th European Congress of Physical and Rehabilitation Medicine. Austria Center Vienna, Austria, May 12-15, 2004.
- 2- Spinal cord injured patients in Bam, eight months after the disaster. Gholam reza Raissi, Kouros Mansouri, Ali Akbar Mokhtari, **Pejman Madani**. 3rd world congress of the ISPRM, Grand Melia WTC, Sao Paulo, Brazil, 2005. ACTA FISIATRICA, Vol 12, Sup.1, 2005, pp: S177.
- 3- Effect of Manipulative management on pain and functional disabilities in low back pain patients with MRI proven herniated lumbar disc and concomitant sacroiliac joint dysfunction. **Pejman Madani**, Mohammad Dadian. 3rd world congress of the ISPRM, Grand Melia WTC, Sao Paulo, Brazil, 2005. ACTA FISIATRICA, Vol 12, Sup.1, 2005, pp: S286.
- 4- Effect of monochromatic near infrared energy on neuropathy, plantar pressure distribution and balance in patients with diabetic neuropathy. Second international congress on neuropathic pain. S.P Madani, N. Lessan, M. Akbari, S. Amirimoghaddam, R. Heshmat, B. Larijani. Berlin, Germany, June 7-10, 2007, EUROPEAN JOURNAL OF PAIN 11(1):186-186 · JUNE 2007. <https://doi.org/10.1016/j.ejpain.2007.03.434>
- 5- Role of interdigital sensory nerve conduction study as a non invasive approach for early diagnosis of diabetic peripheral neuropathy. S Madani and H Fateh. Canadian Journal of Neurological Sciences , Volume 49 , Supplement s1: ABSTRACTS: Canadian Neurological Sciences Federation (CNSF) 2022 Congress , June 2022 , pp. S35 DOI: <https://doi.org/10.1017/cjn.2022.197>
- 6- The incidence and characteristics of chronic pain and fatigue after 12 months later admitting with COVID-19; The Post- COVID 19 syndrome. S Madani, L Janbazi, A Kazemian, K Mansouri, N Yousefi, G Raissi and F Vahedifard. Canadian Journal of Neurological Sciences , Volume 49 , Supplement s1: ABSTRACTS: Canadian Neurological Sciences Federation (CNSF) 2022 Congress , June 2022 , pp. S18 DOI: <https://doi.org/10.1017/cjn.2022.140>

Major Invited Speeches

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- 1- Somatosensory potentials in lumbar radiculopathy, National congress of neurology and electrophysiology. (May 2001)
- 2- Postural Rehabilitation, orthopedists, physiatrists joint Seminar. Tabrize University of Medical Sciences, (Aug. 2002)
- 3- Electrodiagnosis in Botulinum intoxication. Seminar on Botulinum Food Intoxication, Iranian Pasture Institute. (Feb. 2003)
- 4- Clinical and electrophysiological assessment for diagnosis and staging of diabetic polyneuropathy. 14th European Congress of Physical and Rehabilitation Medicine. Austria Center Vienna, Austria, May 15, 2004.
- 5- Role of Cervical facet joints dysfunction on Median nerve peripheral entrapment symptoms. 5th seminar on spinal physical therapy. (Feb.2005)
- 6- New aspects of cardiac rehabilitation, Seminar on New aspects of Cardiovascular diseases. Shiraz University of Medical Sciences. (Apr.2008)
- 7- Foot Wear modifications in diabetic foot. Endocrine and metabolism research center, Tehran University of medical sciences. (Oct. 2008)
- 8- New aspects of electrodiagnosis in brachial plexus trauma. Seminar on brachial plexus and peripheral nerves damage. Department of Reconstructive surgery, Iran University of Medical Sciences. (March 2009)
- 9- Chronic Shoulder Pain in SCI. 2nd seminar on spinal cord injury, Iranian Welfare and rehabilitation university. (Nov. 2010)
- 10- New aspects of Facial Rehabilitation, 15th annual congress of Iranian Society of physical medicine, rehabilitation and electrodiagnosis. (Dec. 2011)
- 11- Rehabilitation management of patients with peripheral nerve damage, 16th annual congress of Iranian Society of physical medicine, rehabilitation and electrodiagnosis. (Dec. 2012)
- 12- Rehabilitation management of SCI patients with peripheral nerve damage, 4th national congress on spinal cord injuries. Brain & spinal cord injury research center. (Feb. 2013)

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- 13- Validity & Reliability of the Persian version of the DN4 questionnaire for differential diagnosis of neuropathic from non-neuropathic pains. 17th annual congress of Iranian Society of physical medicine, rehabilitation and electrodiagnosis. (Dec. 2013)
- 14- Sacroiliac Joint Dysfunction in patients with herniated Lumbar Disc, 1st seminar on manual and exercise therapy. Iranian society of physical therapy. (Sep. 2013)
- 15- New aspects of Burn Rehabilitation. 3rd national burn symposium. (March 2014)
- 16- Therapeutic effects of physical therapy, sacroiliac joint injection, and combination of physical therapy and injection in the management of SIJ dysfunction. 18th annual congress of Iranian Society of physical medicine, rehabilitation and electrodiagnosis. (Dec. 2014)
- 17- Diabetic Foot Rehabilitation. 19th annual congress of Iranian Society of physical medicine, rehabilitation and electrodiagnosis. (Dec. 2015)
- 18- New aspects of Burn Rehabilitation. 5th national burn symposium. (March 2016)
- 19- A new and simple method to measure sensory nerve conduction of the foot digital nerves. 21st annual congress of Iranian Society of physical medicine, rehabilitation and electrodiagnosis. (Jan. 2018)
- 20- Motor Neuron Disease, Webinar. Montreal Neurological Institute and Hospital. Webinar. (April 2020)
- 21- Electrodiagnosis in facial nerve palsy. IUMS webinar. (Nov. 2021)
- 22- Chronic demyelinating polyneuropathies, Webinar. Iranian Society of physical medicine, rehabilitation and electrodiagnosis. (Dec. 2021)

Desired Research Fields:

- ❖ Neuromuscular Medicine
 - New diagnostic techniques
 - Rehabilitation

Pezhman Madani, MD
Associate Professor of PRM,
Iran University of Medical Sciences,
Fellowship of Neuromuscular, EMG, and neurological rehabilitation,
Clinical and research fellowship of ALS,
McGill, MNI

- Management
- ❖ Development &/or modification of questionnaires in pain/neuropathy
- ❖ Reliability/validity of clinical tests in musculoskeletal disorders especially the provocative orthopedic tests.
- ❖ ALS multi and interdisciplinary management
- ❖ Hand Rehabilitation
 - Post Tendon Repair, Adhesion prevention.
 - Post Nerve repair, functional reeducation.
- ❖ Objective measures of Exercise Adherence (developing questionnaire)
- ❖ Chronic pain management
- ❖ Clinical Electrodiagnosis
 - CTS Severity grading: Developing a management guideline by considering electrodiagnosis + clinical findings + response to standard nonsurgical management.
 - Electrodiagnosis in nerve repair: factors affecting regeneration after grafting.
 - Paraspinal mapping: developing examination free, protocol to localize, detect the severity & prognosis of nonsurgical management)
 - Piriformis Sx: developing more reliable electrodiagnostic technique for detection and differentiation from radiculopathy.
- ❖ Diabetic Polyneuropathy
 - Developing simple NCS techniques of distal delicate sensory branches / and small fibers for early detection.
 - Electro diagnostic Grading.
 - Developing / modifying the management guideline
 - Rehabilitation: Developing / evaluating new physical modalities for nerve regrowth
 - Plantar pressure redistribution techniques.
- ❖ Osteoporosis Rehabilitation
- ❖ Musculoskeletal pain management (Manipulation, SI Joint)
- ❖ Medical Education