



## Dr. Mohammad Mohsen Roostayi

### PhD, Associate Professor of Physiotherapy

H-Index: 3

Date of Completion: August 2023

#### Academic Affiliation

Department of Physiotherapy, School of Rehabilitation,  
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## Academic Educations

- 2008 –Present PT PhD, Associate professor, Shaheed Beheshti University of Medical Sciences, Rehabilitation Faculty, Tehran, Iran.
- 1993 – 1994 Academic Member of Zahedan University of Medical Sciences, Zahedan, Iran.
- 2003 – 2008 PhD student, Tehran University of Medical Sciences, Rehabilitation Faculty, Tehran, Iran.
- 1989 – 1993 M.Sc. in Physical therapy, Tarbiat Modarres University, Tehran, Iran.
- 1984 – 1988 B.Sc.s. in Physical therapy, Tehran University of Medical Sciences, Rehabilitation Faculty, Tehran, Iran.
- 1982 Diploma, Kamal High School, Tehran, Iran.

## Related Professional Activities and Experiences

- 2020- Present Dean of the School of Rehabilitation
- 2015-2016 Vice Chancellor of the School of Rehabilitation
- 2012 – 2015 Head of examination center of Rehabilitation Faculty.
- 2012 – Present Member of cultural committee of Rehabilitation Faculty.
- 2008 – Present Member of Standardization Committee of Physiotherapy Research Center of Rehabilitation Faculty.
- 2000 – 2003 Director of Physical therapy Clinic, Shaheed Beheshti Rehabilitation Faculty.
- 1990 – 1991 As a Physical therapist in one of the centers affiliated to Janbazan Foundation.
- 1986 – Present Member of the Iranian Physical therapy Association

## Research Activities

### Published English Articles

- 1- The effects of vacuumic bracing system on the patellofemoral articulation in patients with patellofemoral pain syndrome, *Complementary Therapies in Clinical Practice* xxx (2009) 1–6  
Mohammad Mohsen Roostayi, Hossein Bagheri, Saeid Talebian Moghaddam, Kavous Firooznia, Mohammad Razi, Mostafa Hosseini, Madjid Shakiba
- 2- The effect of different hip rotation angles on electromyography activity of the quadriceps muscle during closed kinetic chain tasks in healthy females, *J. Phys. Ther. Sci.* 30: 1112–1116, 2018, Neda Babadi, Mohammad Mohsen Roostayi\*, Abbas Rahimi, Alireza Akbarzadeh baghban, Alireza Sarmadi, Hosnieh Roostaei
- 3- The immediate effects of whole-body vibration on cervical joint position sense in subjects with forward head posture, *Muscle, Ligaments and Tendons*, Arefeh Salami, Mohammad Mohsen Roostayi, Sedighehsadat Naeimi, Azadeh Shadmehr, Alireza Akbarzadeh Baghban

- 4- The Immediate Effects of Manual Massage of Forearm on Power-Grip Strength and Endurance in Healthy Young Men, *J Chiropr Med.* 2016 Jun;15(2):112-20, Authors: Molouki A, Hosseini SM, Rustaee M, Tabatabaee SM.
- 5- The Effects of Cupping Therapy on Skin's Biomechanical Properties in Wistar Rats, *Chinese Medicine*, Vol.7 No.1, March 2016, Mohammad Mohsen Roostayi, Taraneh Norouzali, Farideh Dehghan Manshadi, Mehdi Abbasi, Alireza Akbarzadeh Baghban
- 6- The effects of piroxicam gel iontophoresis on pain, functional ability and knee muscle strength in patients with knee osteoarthritis, *International Journal of Rheumatic Diseases* 2010; 13 (Suppl. 1): 160–163, Asghar Rezasoltani, Kambiz Hasanzadeh, Mohammad Mohsen Roostayi
- 7- Cupping: a reasonable choice for attenuating morphine withdrawal symptoms in Wistar rats, *International Journal of Basic & Clinical Pharmacology*, 2017 Oct;6(10):2783-2788  
Parinaz Khosravi, Mohammad M. Roostayi\*, Farideh Dehghan Manshadi, Khosro Khademi-Kalantari, Kambiz Hassanzadeh, Alireza Akbarzadeh Baghban
- 8- The Effects of Cupping Therapy on Skin's Biomechanical Properties in Wistar Rats, Mohammad Mohsen Roostayi et al., *J Health Med Informat* 2017, 8:4 (Suppl)
- 9- The effects of cupping therapy as a new approach in the physiotherapeutic management of carpal tunnel syndrome, *Physiotherapy Research International*, 2019, Shirin Mohammadi, Mohammad Mohsen Roostayi, Sedigheh Sadat Naimi, Alireza Akbarzadeh Baghban.
- 10- Effect of using the Flexi-Bar tool on erector spinae muscle activation under different standing weight-bearing conditions, *Journal of Back and Musculoskeletal Rehabilitation.* (2019) 1–5, Alireza Doroudiana, Mohammad Mohsen Roostayia, Sedigheh Sadat Naimia, Abbas Rahimia and Alireza Akbarzadeh Baghban
- 11- Modulating Neuronal Networks to Enhance Postural Control: A Review of Transcranial Direct Current Stimulation Approach. Fariba Yadolahi, Mohammad Mohsen Roostayi,\* Mino Khalkhali-Zavieh, Abbas Rahimi and Masoud Mehrpour. *Iranian Red Crescent Med J.* 2019 August; 21(8):e90337
- 12- Effects of Phonophoresis with Hydrocortisone Alone and in Combination with 10% Dimethylsulfoxide on Myofascial Trigger Points in the Upper Trapezius Muscle. *Journal of Clinical Physiotherapy Research.* 2019, Mohammad Mohsen Roostayi \*, Zahra Tajammoli, Mehri Ghasemi, Khosro Khademi Kalantaria , Alireza Akbarzadeh Baghban
- 13- Effect of Pulsed Electromagnetic Fields on Clinical Signs and Quality of Life in Patients with Hemophilic Arthropathy of the Knee Joint: A Randomized Controlled Trial. *Advanced Biomedical Research.* 2021; Azam Khami, Mohammad Mohsen Roostayi, Behrouz Parhampour , Zahra Heidari , Hamzeh Baharlouei, Hamid Hoorfar.
- 14- Postural Balance Evaluation in Patients with Chronic Obstructive Pulmonary Disease. *TANAFOS.* Ali Molouki, Mohammad Mohsen Roostayi, Mohsen Abedi, Atefeh Fakharian, Alireza Akbarzadeh Baghban, 2020; 19(4):392-400
- 15- Stabilization Exercises versus Flexi-Bar Exercises in Chronic Non-Specific Low Back Pain: Pain, Disability, Back Muscles Endurance. A Randomized Controlled Trial. *F. Amiri, M. Mohsen Roostayi, S. S. Naimi, A. Akbarzadeh Baghban. Muscles, Ligaments and Tendons Journal,* 2022;12 (4):604-614.
- 16- Thoracic and Lumbar Sagittal Spinal Curvature Adaptations between Elite Iranian Road and Speed Cyclists. Motahareh Hashem Boroojerdi1 , Abbas Rahimi , Mohammad Mohsen Roostayi, Saeed Moghaddam Talebian, Mohammad Yousefi, Edgar Shamounian, Mahmoud Norouzi. *J Biomed Phys Eng.* 2021; 11(3).

- 17- The role of physiotherapy in the treatment of men's sexual dysfunction (erectile dysfunction and premature ejaculation): a review. Mohammad Mohsen Roostayi , Nooshin Rahda. *Physiotherapy Quarterly*. 2022, 30(2), 30–37.
- 18- The effect of fatigue on electromechanical response times in basketball players with and without persistent low back pain. Sajjad Abdollahi, Rahman Sheikhhoseini, Mohammad Mohsen Roostayi & Wendy E. Huddleston. *Scientific Reports*. (2022) 12:17849.
- 19- The effect of fatigue on lower extremity energy dissipation strategies during unanticipated single-leg landing in athletes with CLBP. S. Abdollahia, , R. Sheikhhoseinib, M. Mohsen Roostayi, *Gait & Posture*. 97 (2022) S1–S2.
- 20- Combined Balance Training and tDCS Intervention for the Recovery of Postural Control Following Chronic Stroke: A Study Protocol for A Multi-Centre, Double Blind, Randomized Control Trial. Fariba Yadolahi , Mohsen Roostayi , Mino Khalkhali Zavieh , Abas Rahimi, Masoud Mehrpour , Alireza Akbarzadeh Baghban.
- 21- The Effect of Contraction Type and Training Volume in Unilateral Exercises on Cross-Education: A Narrative Review Study. Marzieh Mortezaejad, Mohammad Mohsen Roostayi, Aliyeh Daryabor, Parsa Salemi. *Nr 2023;13 (2):321-335*.
- 22- Comparison of 4 weeks of cupping and Kinesio-taping on clinical and ultrasound outcomes of carpal tunnel syndrome during pregnancy. Sara Movaghar , Mohammad Mohsen Roostayi , Sedigheh Sadat Naimi, Aliyeh Daryabor , Narges Jahantigh Akbari , Bahare Mehreganfar. *ournal of Bodywork & Movement Therapies* 35 (2023) 57–63.

### **Refereeing articles & Dissertation supervisor**

- ✓ Supervisor of more than 30 undergraduate student dissertations.
- ✓ Supervisor of more than 10 research master's dissertations.
- ✓ Supervisor of 5 research doctoral dissertations.
- ✓ Reviewing more than 50 research dissertations of master's and doctoral students.

### **Cooperation with Journals as Reviewer**

#### **Reviewer of several foreign journals:**

- ✓ International Journal of Sexual Health
- ✓ Iranian Red Crescent Medical Journal
- ✓ Muscles, Ligaments and Tendons Journal
- ✓ International Journal of Therapy and Rehabilitation

#### **Reviewer of several Iranian journals:**

- ✓ Journal of Rafsanjan University of Medical Sciences
- ✓ *Scientific Journal of Rehabilitation Medicine*
- ✓ Journal of Iranian Medical Council

### **Oral presentations**

Oral presentations in more than 20 congresses and seminars

### **Published Books**

- ✓ Gynecologic Physical Therapy” compiled by Mohammad Mohsen Roostayi, 2000, ISBN: 964–6126–16–2.
- ✓ Principles of Rehabilitation and Physiotherapy, compiled by Mohammad Mohsen Roostayi, 2014, ISBN:978-600-7456-01-9.

### **Registered Invention**

A unique orthosis for treatment of patellofemoral disorders.

Inventor	Mohammad mohsen Roostayi
Title	Vacuumic Patellar Brace
Patent.NO	26663 (Iran Patent Office)
Date	26 September, 2000