



## Dr. FAHIMEH HASHEMIRAD

Assistant Professor

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Time at UoN: Since 2024

Marital Status: ....

### **Academic Qualifications**

PhD, Monash University, 2017

Master of Physical Therapy , Tehran University of Medical Sciences and Health Services,  
2006

Bachelor of Physical Therapy , University of Social Welfare and Rehabilitation Science, 2000

### **Teaching Activities**

Neuroscience

Physical therapy in Neurology

### **Research Activities**

**- Research Interests**

Non-invasive Brain Stimulation

Motor Control and Motor Learning

Cognitive Learning

### **- Conference Presentations**

Rehabilitation for The Separation of Pubic Symphysis Parturition: a case study, 34th Annual Iranian Physiotherapy Congress, Iran, 2023

Cerebellar tDCS in Movement Disorders, The 6th Electrotherapy Congress, Iran, 2020

Reaction Time and Non-invasive Brain Stimulation, The 8th Basic and Clinical Neuroscience Congress, Iran, 2019

Does a single session of a-tDCS of fronto-parietal network sites affect motor sequence learning and transfer learning, Second Australasian Brain Stimulation Meeting, Australia, 2016

The effects of inter-trial interval on implicit motor sequence learning., 6th Annual Victorian student Research Symposium, Australia, 2015

The effects of a-tDCS on motor skill learning in healthy individuals: A systematic review and meta-analysis, ASMR Symposium, Australia, 2014

The Prophylactic Treatment of PEMF in the Refractory Migraine Headache, Double-Blind, Parallel Placebo-Controlled Study, Cephalgia International headache Society, USA, 2013

The effect of Kinesio taping technique on trigger points of the piriformis muscle, 2nd International Conference on Spine and Spinal Disorders, Italy, 2012

Kinematics of the Flexion – Extension Movement in Females with Different Flexibility, 18th Iranian Physiotherapy Congress, Iran, 2007

### **- Conference Attendance**

Transcranial Magnetic Stimulation, Australia, 2013

### **- Publications**

#### **Article:**

1. 2024 Site Dependency of Anodal Transcranial Direct-Current Stimulation on Reaction Time and Transfer of Learning during a Sequential Visual Isometric Pinch Task., Fahimeh Hashemirad, Maryam Zoghi, Paul B. Fitzgerald, Masoumeh Hashemirad and Shapour Jaberzadeh. Brain Sci. 2024, 14, 408

2. 2023 The correlation between strength and range of motion of the neck muscles and opium smoking in Iran, Omid Massah, Amir Masoud Arab, Ali Farhoudian, Mehdi Noroozi, Fahimeh Hashemirad. *Journal of Front Psychiatry*. 2023 May 30;14:1200091. doi: 10.3389/fpsyt.2023.1200091. e Collection 2023
3. 2023 The Correlation between Neck Pain and Disability, Forward Head Posture, and Hyperkyphosis with Opium Smoking: A Cross-Sectional Study from Iran, Omid Massah, Amir Masoud Arab , Ali Farhoudian, Mehdi Noroozi and Fahimeh Hashemirad. 2023, *Brain Sciences* 13(9):1281.
4. 2023 Association Between Opium Smoking and Neck and Upper Spine Posture Disorders, Omid Massah, Amir Masoud Arab, Ali Farhoudian, Mehdi Noroozi, Fahimeh Hashemirad. *Iran J Psychiatry Behav Sci*. 2023 September; 17(3): e138142.
5. 2017 Reliability of motor evoked potentials induced by Transcranial Magnetic Stimulation: The effects of initial motor evoked potentials removal. , 7. Fahimeh Hashemirad, Maryam Zoghi, Paul B. Fitzgerald, Shapour Jaberzadeh. *Basic and Clinical Neurosciences Journal*. 2017 Jan; 8(1):43-50.
6. 2017 Inter-trial interval and implicit learning of sequential visual isometric pinch task, Fahimeh Hashemirad, Paul B. Fitzgerald, Maryam Zoghi, Masoumeh Hashemirad, Shapour Jaberzadeh. *Journal of Bodywork and Movement therapies*. 2017 Jul; 21(3):626-632.
7. 2017 Single-session anodal tDCS with small-size stimulating electrodes over frontoparietal superficial sites does not affect motor sequence learning, 5. Fahimeh Hashemirad, Paul B. Fitzgerald, Maryam Zoghi, Shapour Jaberzadeh. *Journal of Frontiers Human Neuroscience*. 2017 Apr 3; 11:153.
8. 2016 The effect of anodal transcranial direct current stimulation on motor sequence learning in healthy individuals: A systematic review and meta-analysis, 9. Fahimeh Hashemirad, Maryam Zoghi, Paul B. Fitzgerald, Shapour Jaberzadeh. *Brain & Cognition Journal*, 2016 Feb; 102:1-12.
9. 2016 The effect of Kinesio taping technique on trigger points of the piriformis muscle``, 8. Fahimeh Hashemirad, Nouredin Karimi, Roshanak Keshavarz. *Journal of bodywork and movement therapies* 2016 Oct; 20(4):807-814.
10. 2013 Validity and reliability of skin markers for measurement of intersegmental mobility at L2-3 and L3-4 during lateral bending in healthy individuals: A fluoroscopy study``, 11. F Hashemirad, B Hatef, S Jaberzadeh N Aleagha. *J Bodyw Mov Ther*. 2013 Jan; 17(1):46-52. .
11. 2012 Effect of pain on the timing pattern of masseter muscle activity during the open-close-clench cycle in the migraine without aura and tension type headaches, Boshra Hatef .

Saeed Talebian · Fahimeh Hashemirad · Majid Ghaffarpour. Iran J Neurol. 2012; 11(4):146-50.

12. 2010 Compensatory Behavior of the Postural Control System to Flexion Relaxation Phenomenon` Journal of Bodywork and Movement Therapies, Fahime Hashemirad, S Talebian, GR Olaei, B Hatef. Journal of Bodywork and Movement Therapies, 2010 October; 14 (4):418-423.

13. 2009 The Relationship between Flexibility and EMG Activity Pattern of the Erector Spinae Muscles during Trunk Flexion-Extension. , 14. Fahime Hashemirad, S Talebian, B Hatef, A.H Kahlaee. Journal of Electromyography and Kinesiology, 2009; 19(5), 746-753.

### **Membership in Professional Bodies**

2024-Present: Society of Neuroscience

2018-Present: Editorial Advisor Board Physical Treatments Journal, USWR

2018-Present: Editorial Advisor Board of Basic & Clinical Neuroscience Journal.

### **Award and Recognitions**

2013 Faculty Post Graduate Excellent Award

2013 International Postgraduate Research Scholarship

2013 Australian Postgraduate Award (APA)

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