



Mahnaz Hejazi-Shirmard

PhD in Occupational Therapy

H-Index: 2

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Academic Affiliation

Assistant Professor, Department of Occupational Therapy,
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Academic Educations

- 2014-2020: **Ph.D. in Occupational Therapy**, Iran University of Medical Sciences, Tehran, Iran
- 2008-2011: **MSc. in Occupational Therapy**, Tehran University of Medical Sciences, Tehran, Iran
- 2003-2007: **B.Sc. in Occupational Therapy**, University of Social welfare and Rehabilitation Sciences, Tehran, Iran

Thesis

- **Thesis Title (PhD):** The Comparison of the efficacy of Occupation-Based and Exercise-Based Interventions on Functional Components and Participation in Occupational Areas in Chronic Stroke Survivors
Supervisors: Dr. Laleh Lajevardi / Dr.Ghorban Taghizade
- **Thesis Title (MSc):** Effects of Sensory Retraining on Recovery of the Hemiplegic Upper limb in Stroke Patients (A single System Design) **Supervisor:** Dr. Akram Azad
- **Thesis Title (BSc):** Sensory Integration (Dysfunctions and Interventions)
Supervisor: Dr. Hossein Sourtiji

Publications

- Afsharipor M, **Hejazi-Shirmard M**, Irani A, Kalantari M, Akbarzade Baghban A. Combined transcranial direct current stimulation with routine occupational therapy improves activities of daily living in traumatic brain injuries: A pilot randomized clinical trial. Journal of Modern Rehabilitation, 2023 [Accepted manuscript]
- Joveini Gh, Malja M, **Hejazi-Shirmard M***. Effectiveness of Person-Environment-Occupation Model on a Pediatric Neurodegenerative Disease: A Case Report of a Child with Ataxia-Telangiectasia. Occupational therapy in health care. 2022: 1-12. •
- Mirzakhani N, Esmailian H, Jamebozorgi AS, Tabatabaee SM, **Hejazi-Shirmard M***. Effects of Upper Limb Resistance Training on Cognition and Daily Living Activities in Older Adults. Iranian Rehabilitation Journal. 2022: 47-54

- Dehmiyani A, Taghizadeh G, Azad A, Goudarzi S, Jamali S, **Hejazi Shirmard M**, Rostami S, Mehdizadeh M. Psychometric properties of dexterity questionnaire-24 in Iranian chronic stroke survivors. *Topics in Stroke Rehabilitation*. 2021;1-7.
- **Hejazi-Shirmard M**, Lajevardi L, Rassafiani M, Taghizadeh G. The effects of anxiety and dual-task on upper limb motor control of chronic stroke survivors. *Scientific reports*. 2020;10:1-11.
- Kachoosangy RA, Shafaroodi N, Heidarzadeh M, Qorbani M, Bordbbr A, **Shirmard MH**, Daneshjoo F. Increasing mothers' confidence and ability by creating opportunities for parent empowerment (COPE): A randomized, controlled trial. *Iranian journal of child neurology*. 2020; 14:77.
- **Hejazi-Shirmard M**, Taghizadeh G, Azad A, Lajevardi L, Rassafiani M. Sensory retraining improves light touch threshold of the paretic hand in chronic stroke survivors: a single-subject AB design. *Somatosensory & motor research*. 2020; 37:74-83.
- Fathipour-Azar Z, **Hejazi-Shirmard M**. Application of the Ecology of Human Performance in Cardiac Occupational Therapy: A Case Study. *Function and Disability Journal*. 2019; 2:183-188.
- Fathipour-Azar Z, **Hejazi Shirmard M**. Applying person-environment-occupation in cardiac disease: A case report. *Function and Disability Journal*. 2018; 1:65-70.
- **Shirmard MH**, Seyyedi M, Toopchizadeh V, Ghojazadeh M. Low quality of life and its associated risk factors in parents of children with cerebral palsy in the northwest of Iran; a case control. *Journal of Clinical and Analytical Medicine*. 2017; 8:431-435.
- Azar EF, **Shirmard MH**, Jamshidian E. Evaluation of the Relationship between Functional Independence and Quality of Life in Patients with Chronic Stroke. *Journal of Clinical Physiotherapy Research*. 2018; 3:29-33.

- **Hejazi SM**, Azad A, Taghizade G. Effects of sensory retraining on recovery of the hemiplegic upper limb in stroke patients (A Single-System Design). 2011. [Persian]
- Jazayeri AM, **Shirmard MH**, Ghojzadeh M. Relations between Sensory and Motor Functions in Hemiplegic Upper Extremities in Chronic Stroke Patients. Medical Journal of Tabriz University of Medical Sciences. 2016; 37:50-55. [Persian]

Research Interests

1. Neurorehabilitation and Occupational therapy interventions in children with neurological disorders (cerebral palsy...)
2. Neurorehabilitation and Occupational therapy interventions in adults with neurological disorders (stroke...)
3. Concepts related to occupational therapy in different populations
4. Geriatrics

Executive & Work Experiences

1. Faculty member (Lecturer) – School of Rehabilitation Sciences, Tabriz University of Medical Sciences, Tabriz, Iran (Sept 2011- Sept 2014)
2. Head of occupational Therapy Department, School of Rehabilitation Sciences, Tabriz University of Medical Sciences, Tabriz, Iran (June 2013- Sept 2014)
3. Representative of Curriculum Planning Committee of Education Development Office of Rehabilitation Faculty (EDO), Shahid University of Medical Sciences

University Teaching Experience

- Clinical instructor in university hospitals/clinics - Iran University of Medical Science (2014-2020)
- Principles of Occupational therapy and Rehabilitation for BSc Students - Tabriz University of Medical Science (2011-2014)
- Activities of Daily Living Skills for BSc Students - Tabriz University of Medical Science (2011-2014) & Shahid Beheshti University of Medical Sciences
- Occupational therapy in Physical Diseases¹ for BSc Students - Tabriz University of Medical Science (2011-2014) & Shahid Beheshti University of Medical Sciences
- Occupational Therapy Management, Shahid Beheshti University of Medical Sciences
- Occupational therapy in Physical Diseases² for BSc Students - Tabriz University of Medical Science (2011-2014)
- Occupational therapy in Physical Diseases³ for BSc Students - Tabriz University of Medical Science (2011-2014) & Shahid Beheshti University of Medical Sciences
- Occupational therapy in Physical Diseases⁴ for BSc Students - Tabriz University of Medical Science (2011-2014)
- Vocational Rehabilitation and Ergonomics for BSc Students - Tabriz University of Medical Science (2011-2014)
- Clinical instructor in university hospitals/clinics - Tabriz University of Medical Science (2011-2014)

Congress, Conference, Seminar Presentations

Oral Presentations

- Occupational therapy in postural control of children with cerebral palsy: evaluation to treatment (2023)

- Occupational therapy evaluation and interventions in sensory disorders of neurological patients (2023)
- Occupational therapy evaluation and interventions in hand function of children with cerebral palsy (2023)
- Occupational therapy evaluation and interventions in visual-perceptual disorders of children with cerebral palsy (2023)
- Occupational Therapy Practice Framework (OTPF IV): Domain and Process (2022)
- Cognitive Strategy Training in Stroke Survivors: 12th Iranian International VIRTUAL Congress on Stroke (2020)
- Effects of sensory retraining on sensory and motor function of the hemiplegic upper extremity in chronic stroke survivors: 21th Annual Iranian congress of physical medicine, rehabilitation & electerodiagnosis (2018)
- Quality of life in parents of children with Cerebral Palsy: 19th Iranian Congress of Occupational Therapy (2014)
- Effects of sensory retraining on upper extremity recovery of chronic stroke survivors: 16th Iranian Congress of Occupational Therapy (2011)

Poster Presentations

- Compiling a clinical logbook, a way to accomplish evidence-based interventions: 23rd Iranian Congress of Occupational Therapy (2019)
- Occupational Therapy in Children with Epidermolysis Bullosa: 12th Annual congress of Iranian Rheumatology association (2018)
- Occupational Therapy for Children with Epidermolysis Bullosa: 22nd Iranian Congress of Occupational Therapy (2017)
- The effect of physical exercise on cognitive function of stroke survivors: 22nd Iranian Congress of Occupational Therapy (2017)

- Occupation-Based interventions in stroke survivors: 21st Iranian Congress of Occupational Therapy (2016)
- Sensory impairment and its motor Consequences in upper extremity of stroke survivors: 2nd Basic and Clinical Neuroscience Congress (2013)
- Sensory impairment and its Consequences in upper extremity after stroke: 6th National & first international Iranian Stroke Congress (2013)
- Motor impairment and its consequences in children with Autism spectrum disorders: Iranian 6th International Congress of Child and Adolescents Psychiatry (2013)
- Effects of sensory retraining on recovery of the hemiplegic upper limb in stroke patients: 18th Iranian Congress of Occupational Therapy (2013)

Cooperation with Journals as Reviewer:

- Child: Care, Health & Development: <https://onlinelibrary.wiley.com/journal/13652214>
- Iranian Rehabilitation Journal: <https://irj.uswr.ac.ir>
- Journal of Modern Rehabilitation: <https://jmr.tums.ac.ir/index.php/jmr>

Awards and Honors and Achievements

- Top lecturer of the Rehabilitation school, Tabriz University of Medical Sciences / Shahid Motahari Festival (2014)

Memberships

1. Iranian Occupational Therapy Association
2. Iranian Medical Council

Languages

1. Persian
2. English

References:

1. **Dr. Laleh Lajevrdi.** Associate Professor of Occupational Therapy. Department of Occupational Therapy. School of Rehabilitation Sciences, Iran University of Medical Sciences, Tehran, Iran
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2. **Dr. Akram Azad.** Associate Professor of Occupational Therapy. Department of Occupational Therapy. School of Rehabilitation Sciences, Iran University of Medical Sciences, Tehran, Iran
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3. **Dr. Ghorban Taghizade.** Assistant Professor of Occupational Therapy. Department of Occupational Therapy. School of Rehabilitation Sciences, Iran University of Medical Sciences, Tehran, Iran
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