

Ashkan Irani

Ph.D in Cognitive Neuroscience



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Academic Affiliation

Assistant Professor Department of Occupational therapy, School of Rehabilitation, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Shahid Beheshti University of Medical Sciences, Tehran, Iran.

About Me

I obtained my PhD in Cognitive neuroscience in 2020 from Institut for cognitive science studies. I am currently an teacher in the department of occupational therapy at Shahid Beheshti University of Medical Sciences. Here, I participate in clinical and classroom teaching with occupational therapy BSc and MSc students, supervise students for their Master's theses and serve as the director of neurorehab service at Shohad Tajrish Hospital. I have been more than 16 years of practical work and clinical experience in field of children and adults with neurological deficits . I am also involved in research activities and have been awarded, as co-applicant or principal investigator, several research grants. My research interest focuses on neural mechanisms underlying rehabilitation, cognitive and age-related plasticity.

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Department of Occupational therapy

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	https://orcid.org/0000-0001-9984-8965
	https://www.researchgate.net/profile/Ashkan-Irani
	https://www.scopus.com/authid/detail.uri?authorId=57192915147

Academic Educations

- **PhD in Cognitive neuroscience**, Department of cognitive neuroscience, Institut for cognitive science studies, Tehran, Iran (2014-2020)
- **MSc in Occupational therapy**, Department of Occupational therapy, School of Rehabilitation, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran (2006-2009)
- **BSc in Occupational therapy**, Department of occupational therapy, School of Rehabilitation, shahid Beheshti University of Medical Sciences, Tehran, Iran (2002-2006)

Thesis Titles

- **Thesis Title (PhD)**: effectiveness of transcranial direct current stimulation on attention to eyes compared with other facial features in children with high-function autism by eye-tracker.
Supervisors: Dr. Mehdi Tehranidoost.
- **Thesis Title (MSc)**: The Effect of Using Anti spastic Orthosis on the Reduction of Spasticity and the Gross Motor Function in Diplegic Spastic Children
- **Supervisor**: Dr. Seid Ali Hoseini.

Publications

Peer-reviewed journal articles

1. Azizi, S., Moradi Birgani, P., Ashtiani, M., **Irani, A.**, Shahrokhi, A., Meydanloo, K., & Mirbagheri, M. M. (2023). The Relationship between Structure of the Corticoreticular Tract and Walking Capacity in Children with Cerebral Palsy. *Journal of Biomedical Physics and Engineering*.
2. Najafabadi, Y. F., Kalantari, M., **Irani, A.**, Daryabor, A., & Baghban, A. A. (2022). Combined Effect of Repetitive Transcranial Magnetic Stimulation and Cognitive Rehabilitation on Working Memory of Patients with Chronic Stroke. *Middle East Journal of Rehabilitation and Health Studies*, 9(3).
3. Ashkan Irani , mahdi tehranidoost , Anahita Khorami Banaraki , mahdi akbarzadeh. Evaluation of One-Blind Clinical Trial, Direct Transcranial Direct Current Stimulation on Social Response in Children with Autism Spectrum Disorder. *The Scientific Journal of Rehabilitation Medicine* . 2020 Sep 22;9(3):1-8
4. Azizi S, **Irani A**, Shahrokhi A, Rahimian E, Mirbagheri MM. Contribution of altered corticospinal microstructure to gait impairment in children with cerebral palsy. *Clinical Neurophysiology*. 2021 Jul 15.
5. Noroozi S, Mehrabi R, Lotfian M, Nooshiravan F, Shahroki A, **Irani A**, Mirbagheri MM. Therapeutic Effects of an Anti-Gravity Treadmill (AlterG) Training on Neuromuscular Abnormalities Associated

- with Spasticity in Children with Cerebral Palsy. In 2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) 2020 Jul 20 (pp. 3856-3859). IEEE.
6. Bolghanabadi Z, Mahdizadeh A, **Irani A**. The Effect of Neurofeedback on Postural Balance and Attention in Patients Suffering From Knee Osteoarthritis With Bilateral Total Knee Replacement: A Pilot Study. *Archives of Rehabilitation*. 2020 Mar 10;21(1):4-.
 7. Abbasi B, Mirzakhany N, Angooti Oshnari L, **Irani A**, Hosseinzadeh S, Tabatabaei SM, Haghghat S. The effect of relaxation techniques on edema, anxiety and depression in post-mastectomy lymphedema patients undergoing comprehensive decongestive therapy: A clinical trial. *PloS one*. 2018 Jan 5;13(1):e0190231.
 8. Parvin S, Taghiloo A, **Irani A**, Mirbagheri MM. Therapeutic effects of anti-gravity treadmill (AlterG) training on reflex hyper-excitability, corticospinal tract activities, and muscle stiffness in children with cerebral palsy. In 2017 International Conference on Rehabilitation Robotics (ICORR) 2017 Jul 17 (pp. 485-490). IEEE.
 9. Azizi S, Birgani PM, **Irani A**, Shahrokhi A, Nourian R, Mirbagheri MM. Impact of anti-gravity locomotion (AlterG) training on structure and function of corticospinal tract and gait in children with cerebral palsy. In 2019 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2019 Jul 23 (pp. 126-129). IEEE.
 10. Azizi S, Rasooli AH, Soleimani M, **Irani A**, Shahrokhi A, Mirbagheri MM. The impact of AlterG training on balance and structure of vestibulospinal tract in cerebral palsy children. In 2018 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2018 Jul 18 (pp. 2499-2502). IEEE.
 11. Dadashi F, Shahroki A, Nourian R, **Irani A**, Molavi M, Rafieenazari Z, Mirbagheri MM, Mirbagheri A. The Effects of Repetitive Transcranial Magnetic Stimulation (rTMS) on Balance Control in Children with Cerebral Palsy. In 2019 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2019 Jul 23 (pp. 5241-5244). IEEE.
 12. Dadashi F, Lotfian M, Rafieenazari Z, Shahroki A, **Irani A**, Mirbagheri A, Mirbagheri MM. Does repetitive Transcranial Magnetic Stimulation (rTMS) have therapeutic effects on Dynamic Balance of Children with Cerebral Palsy?. In 2019 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2019 Jul 23 (pp. 425-428). IEEE.
 13. Marzbani H, Shahrokhi A, **Irani A**, Mehdinezhad M, Kohanpour M, Mirbagheri MM. The Effects of Low Frequency Repetitive Transcranial Magnetic Stimulation on White Matter Structural Connectivity in Children with Cerebral Palsy. In 2018 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2018 Jul 18 (pp. 2491-2494). IEEE.
 14. Sabaghi A, Rezaee M, Mirzakhani N, Irani A, Tabatabaee SM. Effectiveness of Neurofeedback Training on Reading Performance and Working Memory in Students with Dyslexia. *The Scientific Journal of Rehabilitation Medicine*. (2017): 11-20
 15. Kalantari M, Yazdani S, Shafiee Z, Tabatabaee SM, **Irani A**. Comparative Evaluation of Occupational Therapists' Prediction Consistency of Future Gross Motor Function of 2-18 Years Old Patients with

- Cerebral Palsy Compared with Results from Gross Motor Function Classification System. *Sci J Rehab Med*. 2017 Jan 1;5(4):198-205.
16. Noroozi S, Lotfian M, Nooshiravan F, Shahrokhi A, **Irani A**, Mirbagheri MM. The Therapeutic Effects of Low-Amplitude, High-Frequency Perturbations on Neuromuscular Abnormalities Associated with Spasticity in Children with Cerebral Palsy. In 2019 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2019 Jul 23 (pp. 114-117). IEEE.
 17. Lotfian M, Mirbagheri MM, Kharazi MR, Dadashi F, Nourian R, **Irani A**, Mirbagheri A. Pendulum test measure correlates with gait parameters in children with cerebral palsy. In 2016 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) 2016 Aug 16 (pp. 1708-1711). IEEE.
 18. Baghoori D, Rezaei M, Mirzakhani N, **Irani A**, Baghban AA. Face and Content validity of Persian version of Parkinson Fatigue Scale (PFS-16) in people with Parkinson's disease. *J Rehab Med*. 2016 Jan 1;5(1):85-92.
 19. Kalantari M, Yazdani S, Shafiee Z, Tabatabaee SM, **Irani A**. Comparative Evaluation of Occupational Therapists' Prediction Consistency of Future Gross Motor Function of 2-18 Years Old Patients with Cerebral Palsy Compared with Results from Gross Motor Function Classification System. *Sci J Rehab Med*. 2017 Jan 1;5(4):198-205.
 20. Mirzakhany N, ABASI B, HAGHIGHAT S, ANGOOTI OL, **IRANI A**, TABATABAEI SM. The effect of relaxation technique associated with complex decongestive therapy (CDT) on edema volume, depression and anxiety in post mastectomy lymphedema.
 21. Jamebozorgy AA, Moslemi Z, **IRANI A**, TABATABAI S, KALANTARI M. Comparison of probability of falls in elderly underwent unilateral and bilateral total knee arthroplasty, using Berg Balance scale Test.
 22. Kalantari M, Alimi E, **Irani A**, Nazeri A, Bagheban AA. Content and face validity of Pediatric Balance Scale in children with spastic cerebral palsy. *Rehabilitation Medicine*. 2016 Jan 1;5(3):104-.
 23. Purpirali M, Kalantari M, Taghizadeh GH, Mehdizadeh HA, Irani AS. Effect of Textured insole on the complexity of center of pressure sway in faller older adults. *Scientific journal of rehabilitation medicine*. 2015 Jan 1;4(2):26-39.
 24. Esmaeel Sadeghi , Ali Asghar Jamebozorgi , **Ashkan Irani** , Minoos Kalantari , Firooz Madadi , Seyyed Mehdi Tabatabaee .The early motion effect on the function of spastic diplegia children with cerebral palsy following Surgery and immobilization In lower limb with two methods: bandage and casting. *Rehabilitation Medicine*. 2016 Jun 21;5(2):218-25
 25. Saadat ZM, asghar Gamebozorgi A, Shafiee Z, **Irani A**, Mehdi S, Tabatabaee FA. Effect of early occupational therapy on improving the hand function and reducing the symptoms severity of patients with carpal tunnel syndrome after surgery. Toufan, R., Moossavi, A., **Aghamolaei, M.**, Ashayeri, H. (2016). Topographic comparison of MMN to simple versus pattern regularity violations: The effect of timing. *Neuroscience Research*, 112: 20-25.

26. Sanei F, Jamebozorgi AA, **Irani A**, Akbarzade Baghban A, Qoreishi M. Comparing the quality of life before and after total hip arthroplasty operation in patients with developmental dysplasia of the hip. *Physical Treatments-Specific Physical Therapy Journal*. 2016 Jan 10;5(4):219-24.
27. Jamebozorgi AA, Zakeri L, Kahlaee AH, Ghomashchi H, **Irani A**. Comparing unilateral and bilateral total knee replacement based on the functional approach. *Physical Treatments-Specific Physical Therapy Journal*. 2015 Jan 10;4(4):199-204.
28. **Irani A**. W4: The Neuro-feedback and Treatment of Attention Problems and Anxiety. *The Neuroscience Journal of Shefaye Khatam*. 2014 Sep 10;2(3):18-.
29. **Irani A**, Imani AZ, Rezasoltani AS, Hosseini SA. The effect of using of an anti-spastic orthosis on the gross motor function in diplegic spastic children in Tehran. *J Rehab Med*. 2014 Jan 1;3(3):34-42.
30. **Irani A**. The Effect of Using Anti spastic Orthosis on the Reduction of Spasticity in Diplegic Spastic Children. *British Journal of occupational therapy*. 2001;64(5):235-44.

Researches & Grants

Principal Investigator

2021 **Shahid Beheshti University of Medical Sciences Research Grant**. The effect of balance exercises on cognitive function in stroke.

2021 **Shahid Beheshti University of Medical Sciences Research Grant**. effectiveness of transcranial direct current stimulation on attention to eyes in children with high-function autism by eye-tracker

Co-investigator

2015 **Shahid Beheshti University of Medical Sciences Research Grant (94-6479)**. Comparison of quality of life and performance of children with cerebral palsy after Single-Event Multilevel Surgery (SEMLS) by bandaging and casting. [PI: Dr. Jameh Bozorgi Ali -asqar]

2016 **Shahid Beheshti University of Medical Sciences Research Grant (94-6230)**. The effect of massage using camel hump oil on muscle tone, passive range of motion and motor function in children with spastic diplegia. [PI: Dr. Kalantary Minoos]

2016 **Shahid Beheshti University of Medical Sciences Research Grant (94-6841)**. Translation and evaluation of psychometric properties of Persian version of Parkinson Fatigue Scale (PFS-16) in people with Parkinson's disease. [PI: Dr. Rezai mehdi]

2016 **Shahid Beheshti University of Medical Sciences Research Grant (94-7215)**. Evaluation of the validity and reliability of the Persian version of 'Children's Balance Scale' in children with spastic cerebral palsy. [PI: Dr. Kalantary Minoo]

2019 **Shahid Beheshti University of Medical Sciences Research Grant (97-15545)**. The effect of balance exercises on the cognitive function of the elderly. [PI: Dr. Mirzakhani Navid]

2020 **Shahid Beheshti University of Medical Sciences Research Grant (98-19327)** Investigating the relationship between self-esteem and independence in daily life activities in patients with chronic stroke. [PI: Dr. Koykhi Fatemeh]

Research Interests

- Predictive development of cerebral palsy children
- brain mechanisms underlying neuron rehabilitation
- Cognitive neuroscience
- Cognitive Development
- Neuro Development Disorder
- Disability Studies
- Development Neuroscience
- Neuronal Plasticity
- Autism
- Manipulation spine
- Elderly

Skills & Work Experiences

1. **Teacher of Occupational therapy**, Department of Occupational therapy. School of Rehabilitation, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2020-present).
2. **MEMBER OF EDUCATION AND DEVELOPMENT COMMITTEE**, School of

Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2020-present).

3. **DEAN'S ADVISOR FOR INTERNATIONAL AFFAIRS**, School of Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2019-2020).
4. **DIRECTOR OF PAEDIATRIC OCCUPATIONAL THERAPY SERVICE**, Mofid Children's Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2013-2017).
5. **DIRECTOR OF NEURO REHABILITATION SERVICE**, Shohada Tajrish Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2018-present).
6. **DIRECTOR OF COGNITIVE NEUROSCIENCE LABORATORY OCCUPATIONAL THERAPY SERVICE**, Department of Occupational therapy. School of Rehabilitation, Shahid Beheshti University of Medical Sciences, Tehran, Iran (2017-present).

University Teaching Experience

Professional Experience

2015-2020 **Non-applications pharmaceutical in occupational therapy MSc students**

, School of Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

2015-2021 **Research seminar course for occupational therapy MSc students**, School of Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

2015-2020 **Neuroscience in rehabilitation MSc students**, School of Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

2019-2021 **Cognitive interventions in occupational therapy MSc students**, School of Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

2012-2021 **Occupational therapy in neurological diseases for BSc students**, School of Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

2013-2017 **Occupational therapy in pediatric diseases for BSc students**, School of Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

2012-2021 **Introduction with the basics of paraclinical trials for BSc students**, School of Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

Feb-Jun **pediatric 's massage for MSc students**, School of 2018 Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

Feb-Jun **MOBILIZATION for MSc student**, School of Rehabilitation 2014 Sciences, Tehran University of Medical Sciences, Tehran (Iran).

Clinical Instructor

2013-2017 **Occupational therapy in pediatric diseases - clinical course for BSc students**, Mofid Children's Hospital, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

2013-present **Occupational therapy in neurological diseases - clinical course for BSc students**, Mofid Children's Hospital, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

2013-present **Occupational therapy in neurological diseases assessment of adults- clinical course for BSc Audiology students**, Shohada Tajrish Hospital, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

Feb-Jun 2020 **Neonatal occupational therapy- clinical course for BSc students**, Mofid Children's Hospital, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

2018-2021 **Cognitive assessment of adults- clinical course for MSc Occupational therapy students**, Shohadai tajrish Hospital, Tehran University of Medical Sciences, Tehran (Iran).

Teaching Workshops

1. **“MOBILIZATION**, School of Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran (Iran) (March 2019).

2. **Application of massage in rehabilitation**, School of Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran (Iran) (March 2011)
3. **The role of occupational therapy in NICU**, 16th Iranian Congress of Audiology, Olympic hotel, Tehran, Iran (May 2017)
4. **Acupuncture**, Iranian Association of Occupation Therapy, Tehran, Iran (January 2012)
5. **The role of occupational therapy in assessing motor perceptual skills in children with neurotraumatic injury**, Razavi International Neurotrauma Congress, Mashhad, Iran (November, 2011).
6. **The role of visual arts in improving visual perception skills in children with epilepsy**, International Congress on Epilepsy, Mashhad, Iran (December, 2010).
7. **Effective factors and new approaches in preventing falls in the elderly**, Iranian Association of occupational therapy, Tehran, Iran (March 2018).
8. **The role of complementary medicine in rehabilitation**, Monthly conference of Shahid Beheshti Physiotherapy Research Center, (March 2010).
9. **Application of biofeedback and neurofeedback in occupational therapy**, One-day scientific conference on occupational therapy, (March 2018).

Congress, Conference, Seminar Presentations

Invited talks

- 23/12/2022 **Invited speaker:** "Neuroplasticity in stroke", 14th International Iranian Stroke Congress, Tehran (Iran).
- 13/01/2020 **Invited speaker:** "The role of occupational therapy in the NICU", One-day scientific conference on occupational therapy and speech therapy interventions in NICU premature babies, Tehran (Iran).
- 28/12/2018 **Invited speaker:** "The effect of tDCS on the executive function of autistic children", Congress of Physical Medicine and Rehabilitation and Electrodiagnosis of Iran, Tehran (Iran)
- 8/11/2019 **Invited speaker:** "Investigating the effect of tDCS on the amount of looking at faces by eye track", Congress of Neurological basis in developmental disorders of Iran, Tehran (Iran)
- 28/02/2018 **Invited speaker:** "Application of biofeedback and neurofeedback in occupational therapy", A one-day scientific conference on new occupational therapy, Tehran (Iran)

- 13/03/2014 **Invited speaker:** “The role of art in reducing depression in the elderly”, Elderly Rehabilitation Congress , Tehran (Iran)
- 12/12/2013 **Invited speaker:** “Effective factors and new approaches in preventing the elderly from falling”, Elderly Rehabilitation Congress , Tehran (Iran)
- 18/01/2012 **Invited speaker:** “The effect of anti spastic orthosis on children with cerebral palsy disorder”, Neurological rehabilitation of Iran conference, Tehran (Iran).
- 01/07/2012 **Invited speaker:** “The role of massage in rehabilitation”, One-day scientific conference on rehabilitation approaches, Tehran (Iran).
- 14/11/2011 **Invited speaker:** “The role of occupational therapy in the assessment of perceptual motor skills in children with neurotrauma”, Razavi International Neurotrauma Congress, Mashhad (Iran).
- 10/12/2010 **Invited speaker:** “The role of visual arts in improving visual comprehension skills in children with epilepsy, International Epilepsy Congress , Mashhad (Iran).
- 19/11/2011 **Invited speaker:** “The role of acupuncture in rehabilitation”, 16th Congress of occupational therapy , Tehran (Iran).

Conference presentations

- 30/08/2023 Assessment and occupational therapy in neurological disorder[course director](Iran).
- 4/11/2021 Assesment and manual therapy in lower limb [course director](Iran).
Neurofeedback therapy on attention and anxiety, International Anxiety Congress, Mashhad (Iran).
- 08/10/2012 **[Poster presentation]**
- 27/11/2013
Evaluation of the application of massage therapy in Premature, 18th Iranian Occupational Therapy Congress, Tehran (Iran). **[Poster presentation]**
- 26/12/2018 The effect of tDCS on the executive function of children with autism, Iranian Congress of Physical Medicine, Rehabilitation and Electro Diagnosis, Tehran (Iran) **[Oral presentation]**
- 12/12/2018
The effect of tDCS on cognitive function, 7th Congress of Basic and Clinical Neuroscience ,Tehran (Iran) **[Oral presentation]**

- 09/11/2019 effect of tDCS on facial expression by using eye track, Neuro cognitive foundations in developmental disorders, Tehran (Iran) **[Oral presentation]**
- 13/01/2020 The role of occupational therapy in NICU, One day scientific conference Speech and occupational therapy interventions in infants NICU, Shahid Beheshti University of Medical Sciences, Tehran (Iran) **[Oral presentation]**
- 07/01/2012 Application of massage in rehabilitation, One-day scientific conference on rehabilitation approaches, Shahid Beheshti University of Medical Sciences, Tehran (Iran) **[Oral presentation]**
- 13/12/2013 Effective factors and new approaches in preventing falls in the elderly, Elderly Rehabilitation Congress, Shahid Beheshti University of Medical Sciences, Tehran (Iran) **[Oral presentation]**
- 28/02/2018 Application of biofeedback and neurofeedback in occupational therapy, scientific conference on occupational therapy, Shahid Beheshti University of Medical Sciences, Tehran (Iran) **[Oral presentation]**
- 13/12/2013 The role of art in reducing depression in the elderly, Elderly Rehabilitation Congress, Shahid Beheshti University of Medical Sciences, Tehran (Iran) **[Oral presentation]**
- 22/02/2010 The role of complementary medicine in rehabilitation, Monthly conference of Shahid Beheshti Physiotherapy Research Center, , Shahid Beheshti University of Medical Sciences, Tehran (Iran) **[Oral presentation]**
- 10/11/2009 2009 Occupational therapy and its role in assessing the developmental stages of painting in mentally retarded children, 14th Congress of Occupational Therapy, Tehran (Iran) **[Poster presentation]**
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Supervisory Experience

- 2021-present Shahla AAzizi. **Evaluating and Predicting Structural and Functional Changes in Descending Movement Pathways Due to Anti-Gravity Treadmill Training**, phd in Medical-bioelectrical engineering, Tehran University of Medical Sciences. **(advisor)**

- 2016-present Samira Yazdani. **Comparative evaluation of occupational therapists' prediction consistency of future gross motor function of 2–18 years old patients with cerebral palsy compared.** MSc in Occupational therapy, Shahid Beheshti University of Medical Sciences. **(advisor)**
- 2015-present Delaram Baghori. **Face and Content validity of Persian version of Parkinson Fatigue Scale (PFS-16) in people with Parkinson's disease.** MSc in Occupational therapy, Shahid Beheshti University of Medical Sciences. **(advisor)**
- 2015- present Zahra Moslemi. **Comparison of probability of falls in elderly underwent unilateral and bilateral total knee arthroplasty.** MSc in Occupational therapy, Shahid Beheshti University of Medical Sciences. **(supervisor)**
- 2015- present Elnaz Alimi. **Content and face validity of Pediatric Balance Scale in children with spastic cerebral palsy.** MSc in Occupational therapy, Shahid Beheshti University of Medical Sciences. **(advisor)**
- 2015- present Marzieh Por pirali. **Effect of Textured insole on the complexity of center of pressure sway in faller older adults.** MSc in Occupational therapy, Shahid Beheshti University of Medical Sciences. **(advisor)**
- 2015-present Shahpare Abasi. **The Effect of Relaxation Technique Associated with Complex Decongestive Therapy (CDT) on Edema Volume, Depression and Anxiety in Post Mastectomy.** MSc in Occupational therapy, Shahid Beheshti University of Medical Sciences. **(advisor) .**
- 2016- present Fatemeh Sanei. **Comparing the quality of life before and after total hip arthroplasty operation in patients with developmental dysplasia of hip.** MSc in Occupational therapy, Shahid Beheshti University of Medical Sciences. **(advisor)**
- 2015- present Ladan Zakeri. **Comparing Unilateral and Bilateral Total Knee Replacement Based on the Functional Approach.** MSc in Occupational therapy, Shahid Beheshti University of Medical Sciences. **(advisor)**
- 2020- present Zeinab Bolghanabadi. **Effect of Neurofeedback on Postural Balance and Attention of Women With Knee Osteoarthritis After Bilateral Total Knee Replacement.** MSc in Occupational therapy, Shahid Beheshti University of Medical Sciences. **(advisor)**
- 2016- present Mohamad reza Sadat zahra **EFFECT OF EARLY OCCUPATIONAL THERAPY ON IMPROVING THE HAND FUNCTION AND REDUCING THE SYMPTOMS SEVERITY OF PATIANTS WITH CARPAL TUNEL SYNDROME AFTER SURGERY.** MSc in Occupational therapy, Shahid Beheshti University of Medical Sciences. **(advisor)**

Cooperation with Journals as Reviewer:

Scientific Journal of Rehabilitation Medicine. <http://medrehab.sbm.u.ac.ir/>

Judge of research projects of Physical Medicine Research Center . <https://pajoochan.sbm.u.ac.ir/>

Member of the Committee for Supervision and Evaluation of Student Projects of the Faculty of Rehabilitation

Executive Experiences

8-10 jan. **Member of the Scientific Committee of Occupational therapy** - 21th Iranian congress of 2017 Occupational therapy, Tehran (Iran).

2013 march **Member of scientific committee Rehabilitation Science Poster Student** - Rehabilitation Science Poster Student Tehran.(Iran)

12-14 jan. **Member of the Scientific Committee of Occupational therapy** - 22th Iranian congress of 2018 Occupational therapy, Tehran (Iran).

8-9 nov **Member of the Scientific Committee of neuroscience.** Neuro-cognition foundations in developmental disorders 2019,Tehran(Iran).

11-12 dec **Member of the Scientific Committee of Occupational therapy.** Elderly Rehabilitation Congress2013,Tehran, Iran

Memberships

- Islamic Republic of Iran Medical Council (2010-present)
- Iranian Association of Occupational therapy (2005-present)

Awards, Honors and Achievements

2015 **Letter of appreciation: Exemplary employee of the Rehabilitation School,** School of Rehabilitation, shahid Beheshti University of Medical Sciences, Tehran, Iran

- 2020 **Graduated with highest honor (Summa cum laude) in PhD**
- 2020 **Popular associate professor of the Faculty of Rehabilitation from the student's point of view**, School of Rehabilitation, shahid Beheshti University of Medical Sciences, Tehran, Iran
- 2007 **1st rank in MSc national entrance exam (2007)**: About 158 students participated in this exam and only 15 were accepted.
- 2010 **Graduated with highest honor (Summa cum laude) in BSc**
- 2015-2020 **Appreciation of occupational therapy services**, School of Rehabilitation, shahid Beheshti University of Medical Sciences, Tehran, Iran
- 2021 **Appreciation of Neuro Rehabilitation therapy services**, Department of Physical Medicine of shahid Beheshti University of Medical Sciences, Tehran, Iran
- 2023 **Patent certificate**

Participated workshops & Courses

- 12/12/2019 **Systematic review and meta-analysis**, School of Rehabilitation Sciences, Shahid Beheshti University of Medical Sciences, Tehran (Iran).
- 2-6 July **Advanced Research Methodology**, School of Rehabilitation Sciences, Shahid Beheshti 2017 University of Medical Sciences, Tehran (Iran).
- 22/11/2007 **how to present at scientific meetings**, Shahid Beheshti University of Medical Sciences, Tehran (Iran).

Technical and Research skills

1. MRI /fMRI/ task
2. CANTAB
3. Manipulation spine, upper limb, lower limb
4. Neuro feedback –bio feedback
5. Eye track
6. Occupational therapy in pediatric
7. Occupational therapy in Neurolog

8. Occupational therapy in NICU
9. Acupuncture
10. Ayurvedic medicine
11. Statistics
12. Scientific writing

Languages

1. Persian: Native Language
2. English: Fluent

References

1. Dr. M M Mirbagheri

Associate Professor, Northwestern University/Rehabilitation Institute of Chicago
Verified email at northwestern.edu

biomedical engineeringmotor controlneural engineeringrehabilitation engineeringssystem
identification

Contact Information

<http://tums.ac.ir/faculties/a-mirbagheri>

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2. Dr. Seyed Mansoor Rayegani

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Department of Physical Medicine and Rehabilitation, School of Medicine

Physical Medicine and Rehabilitation Research Center

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Shahid Beheshti University of Medical Sciences

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(+98)2188790298

3. Dr. Mehdi Rezaee. Associate Professor of occupational therapy. Department of Occupational therapy. Vice- Dean in Research and Technology of School of Rehabilitation, Shahid Beheshti University of Medical Sciences, Tehran, Iran

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