

Seyed Mohammad Sadegh Hosseini. B.Sc. MSc., PhD. Occupational Therapy

Assistant Professor, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran

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Google Scholar: <https://scholar.google.com/citations?user=EknoZ2QAAAAJ&hl=en>

EDUCATIONAL BACKGROUND

PhD: University of Social Welfare and Rehabilitation sciences, Tehran, IRAN, 9/2012 to 6/2016

- Dissertation title: "Developing a **factor structure and explaining a model for the leisure, based on the Model of Human Occupation in patients with multiple sclerosis** "

M.Sc.: University of Social Welfare and Rehabilitation sciences, Tehran, IRAN, 9/2004 to 9/2006

- Thesis title: "Impact of cognitive task on gait in patients with Multiple Sclerosis"

B.Sc.: University of Social Welfare and Rehabilitation sciences, Tehran, IRAN. 2/1999 to 10/2003

PATENTS

1. Prefabricated handles of "Independent Life" for people with disabilities; International Classification

Patent owners: Seyed Mohammad Sadegh Hosseini (40%), Saharnurani Gharaborghe (10%), Seyed sadegh salehi (20%) Ailin Talimkhani (10%), Hamadan University of Medical Sciences (20%)

Patent number: 99736

Patent date: 19 November 2019.

2. Bilateral therapy exerciser with feedback in stroke patients

Patent owners: Seyed Mohammad Sadegh Hosseini (60%), Saharnurani Gharaborghe (10%), Mohsen Sarhady (30%)

Patent number: 97422

Patent date: 18 December 2018.

SUMMARY OF RESEARCH OUTPUTS

Papers in Refereed Journals: Total = 25

Books Edited/Authoried: Total = 1

Papers under Review: 2

Publication Impact

I take great care in selecting the most appropriate journals for my research, taking into consideration the target audience and the topic of the study. To evaluate my impact, I use a variety of metrics, including total number of citations (136) and H-index (7).

Research interest

1. Develop and test useful and valid measures of impairment, activity and participation in Neurological conditions.
 2. Identify the role of personal factors in health and disability based on ICF framework
 3. Test rehabilitation interventions that are effective in improving Quality of life and well-being of chronic conditions.
 4. Conduct knowledge translation research that guides efficient and effective implementation of evidence-based in clinical practice
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PEER-REVIEW PUBLICATIONS

1. **Seyed Mohammad Sadegh Hosseini, Sahar Nurani Gharaborghe, Seyed Sadegh Salesi Sadet, Elham Khadem Hamzei. Correlation of time use with Health-Related Quality of Life in male dormitory students. Journal of Health System Research. (Under review)**
2. Seyed Mohammad Sadegh Hosseini, Sahar Nurani Gharaborghe. Validity and Reliability of Leisure Questionnaire of People with Multiple Sclerosis. Iranian Rehabilitation Journal (IRJ). (Submitted).
3. **Mohsen Sarhady, Seyed Mohammad Sadegh Hosseini, Sahar Nurani Gharaborghe, Mahdi Panahian, Nazanin Sarlak. Balance performance of iranian children aged 7-12 years based on functional reach tests. Medical Journal of Tabriz University of Medical Sciences. (2023); (doi: 10.34172/mj.2023.006)**
4. **Seyed Mohammad Sadegh Hosseini, Sahar Nurani Gharaborghe, Ali Asgari. Leisure Questionnaire of People with Multiple Sclerosis. Journal of Rehabilitation Sciences & Research, 2023; (doi: 10.30476/jrsr.2022.93525.1239)**
5. Hosseini S M S, Nurani Gharaborghe S. Relationship of Leisure Time Activities with Fatigue and Mental Health Problems in People with Multiple Sclerosis. Archives of Rehabilitation. (jrehab). 2021; 22 (2) :154-167
6. SMS Hosseini, S Nurani Gharaborghe, M Khatiban. Comparison of the two methods of " Simulation Patient" and " Real Patient" in training of transferring of Patients with Spinal Cord Injury in occupational Therapy Students. Research in Medical Education. 2020; 12 (1), 36-43.
7. P Abbasian, A Fayazi, SMS Hosseini, Y Mohammadi. The Efficacy of Melatonin on Disease Relief in Pediatrics with Migraine Treated with Propranolol. Pajouhan Scientific Journal. 2020; 19 (1), 44-52.

8. SMS Hosseini, M Sarhady, S Nuranigharaborghe. Correlation of Time Use with Health-Related Quality of Life in Dormitory Students. 2019; *Journal of Health Promotion Management (JHPM)*. 2019; 8 (3), 46-52.
9. SMS Hosseini, M Rassafiani, M Mazdeh, H Haghgoo. Effect of fatigue, depression and cognitive dysfunction on participation in leisurely activities among people with multiple sclerosis. *Middle Eastern Journal of Disability Studies*. 2017; 7 (36), 1-7.
10. Seyed Mohammad Sadegh Hosseini Hossein Sourtiji., Sahar Nurani Gharaborghe, Seyed Ali Hosseini, New rehabilitation approaches for upper limb function of children with hemiplegia: Paper Review Hemiplegia. *Archives of Rehabilitation*. 2017; 18 (3), 254-263.
11. SMS Hosseini, M Sarhady, S Nurani Gharaborghe, M Mazdeh. Leisure of people with multiple sclerosis: A content analysis. *Iranian Rehabilitation Journal*. 2017; 15 (1), 23-30.
12. Seyed Mohammad Sadegh Hosseini,*Ali Asgary ,Mehdi Rassafiani ,Farzaneh Yazdani, Mehrdokht Mazdeh. Leisure of people with Multiple Sclerosis: A Qualitative Study for Iranian Culture. *Health promotion perspectives*. 2016; 6 (1), 47.
13. M Sarhady, SMS Hosseini, S Nourani Gharaborghe. Effect of Object Location on Selecting the Limb in Unilateral Reaching in 5-to 6-Year-Old Children. *Physical Treatments-Specific Physical Therapy Journal*. 2016; 5 (4), 197-204.
14. G Sahar Nurani, S Mohsen, H Seyed Mohammad Sadegh. Quality of Life and Gross Motor Function in Children with Cerebral Palsy [aged 4-12]. *Med J Tabriz Uni Med Sciences Health Services*. 2015; 37(2): 48-53.
15. Sahar Nurani Gharaborghe, Mohsen Sarhady, Seyed Mohammad Sadegh Hosseini*, Saeedeh Saadat Mortazavi. Relationship between Quality of Life and Gross Motor Function in Children with Cerebral Palsy (Ages 4-12). *Iranian Rehabilitation Journal*. 2015; 13 (3), 59-63.
16. SN Gharaborghe, M Sarhady, SMS Hosseini, SS Mortazavi. Relationship between Quality of Life and Gross Motor Function in Children with Cerebral Palsy (Ages 4-12). *Medical Journal of Tabriz University of Medical Sciences*. 2015; 37 (2), 48-53.
17. SN Gharaborghe, SMS Hosseini, M Sarhady. The Relationship between Strength and Muscle Tone with Upper Limb Function in Hemiplegic Children. *Journal of Disability Studies (MEJDS)*. 2013; 4 (9), 15-21.
18. SMS Hosseini, H Sourtiji, M Rezaei. Effect of child friendly constraint induced movement therapy on unimanual and bimanual functions in children with cerebral palsy. *Archives of Rehabilitation*. 2013; 14 (2), 125-131.
19. H Sabour Eghbali Mostafa Khan, M Rassafiani, SA Hosseini. Comparison of combination of CIMT and BIM training with CIMT alone on fine motor skills of children with Hemiplegic cerebral palsy. *Iranian Rehabilitation Journal*. 2013; 11, 46-51.
20. B Mandani, HR Rostami, MS Hosseini. Comparison of the health related quality of life in out-patient and in-patient war veterans with post traumatic stress disorder. *Tebe-E-Janbaz*. 2012; 4 (16), 35-42.

21. Sayed Ali Hosseini, Fatemeh Mohammadian, Sayed Mohammad Sadegh Hosseini, Hossein Sourtiji. Effectiveness of ICF-based modified constraint induced movement therapy on hand functions in children with hemiplegic cerebral palsy. *Journal of Research in Rehabilitation Sciences*. 2012; Vol 7, No 5: (Special Issue).
22. SMS Hosseini, H Sourtiji, A Taghizadeh. Comparison of arm-hand bimanual intensive therapy and current therapy for unimanual and bimanual functions in children with cerebral palsy. *Journal of Research in Rehabilitation Sciences*. 2012; 7 (4).
23. F Mohamadian, H Sourtiji, SMS Hosseini. A new approach in rehabilitation of children with cerebral palsy. *Journal of Research in Rehabilitation Sciences*. 2012; 7 (5).
24. SM S Hosseini, H Sourtiji, A Taghizadeh. Comparison of Arm-Hand Bimanual Intensive Therapy and Current Therapy for Unimanual and Bimanual Functions in Children with Cerebral Palsy. *Journal of Research in Rehabilitation Sciences*. 2011; 7 (4), 525-532.
25. Sadegh Hosseini S M, Sourtiji H, Taghizadeh A. Effect of Child friendly Constraint Induced Movement Therapy on unimanual and bimanual function in hemiplegia. *IRJ*. 2010; 8 (12):50-54.
26. H Sourtiji, SMS Hosseini, F Soleimani, SA Hosseini. Relationship between motor and mental age in children with Down syndrome. *Iranian Rehabilitation Journal*. 2010; 8 (1), 4-7.
27. Hosseini. S.M.S, Sourtiji.SH, Abotalebi.SH, Hosseini. A. Impact of cognitive task on gait of patient with Multiple Sclerosis. *Iranian Rehabilitation Journal*.2009, vol 9.

COORDINATOR AND INSTRUCTOR (Course, Program, University)

2011- Present	Occupational therapy for physical dysfunction 1 (physical assessments), Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- Present	Occupational therapy for physical dysfunction 3 (treatment of patients with Neurological dysfunctions: SCI, MS, CVA, TBI,...), Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- Present	Occupational therapy for physical dysfunction 4 (treatment of patients with Rheumatoid disorders, Cancer, AIDs, Vision impairments, Burn injuries), Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- Present	Internships in physical dysfunction 2 (Adult with Neurological Disorders), Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- Present	Internships in physical dysfunction 1 (Children with Neurological Disorders), Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran

2011- Present	Training in the field (clinical observation of physical disabilities), Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- Present	Internships in the field (through self directed learning), Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- Present	Introduction in Occupational therapy and rehabilitation, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2019- 2021	Theories of occupation, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011-2013	Psychomotor development and its disorders, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- 2013	Group and interpersonal relationships, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2015-2016	Occupational therapy for physical dysfunction 2 (treatment of patients with Orthopedic disorders), Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- 2015	Goal-directed activities and its analysis 1 (Psychological analysis), Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- 2015	Goal-directed activities and its analysis 2 (Cognitive analysis), Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- 2015	Goal-directed activities and its analysis 3 (Physical analysis), Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2016-2017	Activities theories, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2012- 2017	Muscle evaluation and measurement of range of motion, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011-2013	Occupational therapy in mental retardation, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2012- 2013	Introduction to orthopedics, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2013-2017	Kinesiology (2), Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2012-2014	Consultation in Occupational therapy, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- Present	Techniques of movement therapy, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- Present	Seminar, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2015-2017	Activity of daily living, Department of Occupational Therapy, Hamadan

	University of Medical Sciences, Hamadan, Iran
2012	Vestibular Rehabilitation, Department of Audiology, Hamadan University of Medical Sciences, Hamadan, Iran
2012- 2014	Psychological and Movement Development, Department of Speech Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2011- Present	Consultation of students, Department of Occupational Therapy, Hamadan University of Medical Sciences, Hamadan, Iran
2007- 2009	Clinical instructor, Department of Occupational Therapy, University of Social Welfare and Rehabilitation Sciences

JOURNAL/ BOOK REVIEWER

JOURNAL REVIEWER	
2011- Present	Research in Rehabilitation Sciences, Esfahan University of Medical Sciences, Esfahan, Iran
2017- Present	Iranian Rehabilitation Journal, Social Welfare and Rehabilitation University, Tehran, Iran
2018- Present	Archives of Rehabilitation Journal, Social Welfare and Rehabilitation University, Tehran, Iran
2021- Present	Journal of Rehabilitation Sciences & Research, Shiraz, Iran
2020- Present	Avicenna Journal of Clinical Medicine, Hamadan, Iran
2017	Basic and Clinical Neuroscience, Tehran. Iran
BOOK REVIEWER	
2017- Present	Hamadan University of Medical Sciences, Hamadan, Iran

CONFERENCE PRESENTATION

2023	Educational rules and laws for faculty members. (oral presentation) Hamadan University of Medical Sciences, Hamadan, Iran
2022	Educational rules and laws for faculty members. (oral presentation) Hamadan University of Medical Sciences, Hamadan, Iran
2018	Effect of fatigue, psychological dysfunctions on leisure of people with Multiple Sclerosis. (oral presentation) The 3 rd Avicenna Congress of Rehabilitation Sciences
2018	Bilateral motion training device with feedback. (poster presentation) The 3 rd Avicenna Congress of Rehabilitation Sciences

2017	Ethics in Occupational Therapy, Social Welfare and rehabilitation University, Tehran, Iran
2017	Leisure factor structure in Multiple Sclerosis patients. (oral presentation) The 2 nd Avicenna Congress of Rehabilitation Sciences
2016	Exercise for thoracic outlet syndrome. (Poster presentation). The 1 st Avicenna Congress of Rehabilitation Sciences “Neurorehabilitation”
2016	Participation assessment in leisure: critical review. (Poster presentation). The 1 st Avicenna Congress of Rehabilitation Sciences “Neurorehabilitation”
2016	Effect of fatigue, depression and, cognitive dysfunction and leisure participations in people with Multiple Sclerosis. (Poster presentation). The 1 st Avicenna Congress of Rehabilitation Sciences “Neurorehabilitation”
2016	Leisure time activities of Iranian patients with Multiple Sclerosis. (oral presentation) The 1 st Avicenna Congress of Rehabilitation Sciences “Neurorehabilitation”
2010	14 th congress of occupational therapy, Tehran, Iran
2010	15 th congress of occupational therapy, Tehran, Iran
2011	Effect of arm- hand bimanual intensive therapy on involved and noninvolved function of children with cerebral palsy, 15 th annual congress of Iranian society of physical medicine, rehabilitation and electro diagnosis. Tehran, Iran
2007	The effects of cognitive task on gait factors of MS patients. International congress of multiple sclerosis, Tehran, Iran
2010	Effect of Child Friendly Constraint Induced Movement Therapy on Unimanual and Bimanual Functions in Children with Cerebral Palsy, 15 th congress of occupational therapy, Tehran, Iran
2011	Effect of conventional occupational therapy on upper limb function in children with hemiplegic cerebral palsy, 16 th congress of occupational therapy, Tehran, Iran
2014	The importance of ergonomics in the occupational therapy advice, 19 th congress of occupational therapy, Tehran, Iran
2014	Reliability and Validity Study of the functional use by the caregiver, 19 th congress of occupational therapy, Tehran, Iran
2005	Occupational therapy in Multiple Sclerosis, 11 th congress of occupational therapy, Tehran, Iran
2008	New neuroscientific findings in children with autism, 6 th congress of Mental Retardation and psychosocial disorder, Tehran, Iran
2008	Role of occupational therapist in disaster, thirteen congress of occupational therapy, Tehran, Iran
2008	Effect of cognitive status and balance on gait of patient of Multiple Sclerosis, 19 th congress of physical therapy, Tehran, Iran
2009	Hand-Arm Bimanual Intensive Therapy, 14 th congress of occupational therapy, Tehran,

	Iran
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GRADUATE STUDENT SUMMARY

POSTGRADUATE STUDENTS	
Supervisor 2021	The psychometric of Persian version of Empathy, Spirituality, and Wellness questionnaire in medical students of Hamadan University of Medical Sciences. No. 140009167597
Co-supervisor 2022	Assessment the sleep disorders in patients with multiple sclerosis referred to MS center in Hamedan in 2022. No. 140103031490
Co-supervisor 2022	Evaluation of the effect of Levetiracetam Monotherapy in comparison with sodium valproate a clinical randomized trial, in treatment of children with generalized or focal epilepsy referring to neurology clinic of Besat Hospital in Hamadan in 1399-1398. No. 14000207826
Co-supervisor 2020	A survey of the efficacy of melatonin on disease relief in pediatrics with migraine treated with Propranolol, referring to pediatric neurology clinic in 2019-2018. No. 9904172452
UNDERGRADUATE STUDENTS	
2010 – Now	Supervised 46 undergraduate thesis in Occupational Therapy
2023	Currently supervising 3 ongoing undergraduate thesis in Occupational Therapy

BOOKS PUBLISHED (peer reviewed)

Seyed Mohammad Sadegh Hosseini, Sahar Nurani Gharaborghe, Mohsen Sarhady, Translation to Persian of "Pediatric Occupational Therapy Handbook A Guide to Diagnoses and Evidence-Based Interventions" book, by Patricia Bowyer and Susan M. Cahill. Hamadan University of Medical Sciences, Hamadan, Iran

HONORS AND AWARDS

2022	Recognized as the top academic member of the Occupational Therapy Department, Hamadan University of Medical Sciences, Hamadan, Iran
2019	Designated as an active reviewer for the Iranian Rehabilitation Journal
2018	Recognized as the top Department in the Faculty of Rehabilitation Sciences during tenure as head of department

2018	Acknowledged as the top lecturer in the Faculty of Rehabilitation Sciences, Hamadan University of Medical Science, Hamadan, Iran
2012	Recognized as the top teacher in the Faculty of Rehabilitation Sciences, Hamadan University of Medical Sciences, Hamadan, Iran
2011	Recognized as the top Department in the Faculty of Rehabilitation Sciences during tenure as head of department
2005	Selected as a talented student during B.Sc and M.Sc programs by the Educational Developing Center (EDC) of University of Social Welfare and Rehabilitation Sciences, Tehran, Iran
2002	Recognized as the best student in B.Sc. program

SIGNIFICANT ADMINISTRATIVE EXPERIENCES

ACADEMIC	
2021- Present	Board of directors, Tavankhahan Sobh Alvand charity, Hamadan, Iran
2011- 2013	Head of department, Occupational Therapy, Faculty of Rehabilitation Sciences, Hamadan University of Medical Sciences, Hamadan, Iran
2017- 2023	Director General of Education, Hamadan University of Medical Sciences, Hamadan, Iran
2018- 2020	Head of department, Occupational Therapy, Faculty of Rehabilitation Sciences, Hamadan University of Medical Sciences, Hamadan, Iran
2017- 2023	Head of Alumni Office, Hamadan University of Medical Sciences, Hamadan, Iran
2017	Scientific Secretary, 2 nd Avicenna Congress on Neurorehabilitation, Hamadan, Iran
2016- 2017	Head of Educational Development Office, Faculty of Rehabilitation Sciences, Hamadan University of Medical Sciences, Hamadan, Iran
2017- 2023	Secretary, Student Encouragement Council, Hamadan University of Medical Sciences, Hamadan, Iran
REGISTRATION IN PROFESSIONAL SOCIETIES	
2006	Iranian Association of Occupational Therapy
2015	Voluntary Member, Multiple Sclerosis Society of Hamadan, Iran
2006	Member of Islamic Republic of Iran Medical Council

