

# Dr. Shiva Ebrahimian Dehaghani

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## **Education**

### **Ph.D., University of Social Welfare & Rehabilitation Sciences, Tehran, Iran (2011-2016)**

Major: Speech & Language Pathology

Research Advisors: Dr. Fariba Yadegari and Dr. Ali Asgari

Dissertation Title: "Introducing and testing a model to explain swallowing disorder based on the location of brain lesion and cognitive status in stroke patients."

### **M.Sc., University of Social Welfare & Rehabilitation Sciences, Tehran, Iran (2000-2002)**

Major: Speech & Language Pathology

Research Advisors: Prof. Reza Nilipoor and Dr. Fariba Yadegari

Dissertation Title: "The correlation between expressive language and receptive language in Down syndrome children"

### **B.Sc., Isfahan University of Medical Sciences, Isfahan, Iran (1995-1999)**

Major: Speech & Language Pathology

## **Awards and Honors**

2022: Best Teaching Award, Shiraz University of Medical Sciences

2016: Best Teaching Award, Shiraz University of Medical Sciences

2011-2016: Iran Ministry of Health Doctoral Scholarship

## **Research Interests**

- Neuronal controlling of swallow
- Sensory integration in treatment of swallowing disorders caused by neurogenic disorders
- Assessment of swallowing disorders
- Autism spectrum disorders
  - Motor speech disorders

### **Four most significant papers published within the past 5 years**

Ebrahimian Dehaghani S., Bakhtiyari J., Salmani M., Shahabi S., Tahooneh A., Alibakhshi H. (2023) "Effects of Rehabilitative Exercises on Swallowing Function in Elderly People: A Pilot Randomized Controlled Trial." *Middle East J Rehabil Health Stud.*, (In Press), DOI: 10.5812/mejrh-130196

Chegeni M, Ebrahimian Dehaghani S., Lotfi M, Salami Z. (2022) "Comparison of Brain Atrophic Changes in Dementia Patients with and Without Swallowing Dysfunction." *Journal of Rehabilitation Sciences and Research*, 9(2): 72-78. DOI: 10.30476/jrsr.2022.93898.1251.

Ebrahimian Dehaghani S., Doosti A., Zare M. (2021) "Association between swallowing disorders and cognitive disorders in adults: a systematic review and meta-analysis." *Psychogeriatric*, 1-7. DOI: 10.1111/psyg.12704.

Ebrahimian Dehaghani S., Yadegari F., Asgari A., Bagheri Z. (2019) "The mediator effect of cognition on the relationship between brain lesion location and dysphagia in patients with stroke: applying a structural equation model." *Journal of Oral Rehabilitation*, 46: 33-39, DOI: 10.1111/joor.12722.

### **Publications**

Ebrahimian Dehaghani S., Hoseinzadeh Mofrad A., Salahi Ardakani A., (2023) "Effects of combined thermal and neuromuscular stimulations on stroke-related dysphagia: A pilot randomized clinical trial", *Journal of Rehabilitation Sciences and Research*, (Accepted).

Ebrahimian Dehaghani S., Bakhtiyari J., Salmani M., Shahabi S., Tahooneh A., Alibakhshi H., (2023) "Effects of Rehabilitative Exercises on Swallowing Function in Elderly People: A Pilot Randomized Controlled Trial.", *Middle East J Rehabil Health Stud.*, (In Press), DOI: 10.5812/mejrh-130196

Chegeni M, Ebrahimian Dehaghani S., Lotfi M, Salami Z., (2022) "Comparison of Brain Atrophic Changes in Dementia Patients with and Without Swallowing Dysfunction.", *Journal of Rehabilitation Sciences and Research*, 9(2): 72- 78. DOI: 10.30476/jrsr.2022.93898.1251.

Ebrahimian Dehaghani S., Jalilevand, N.. (2022) "Oral Motor Indexes in Iranian 4- to 9-month-old infants: A short report", *Iranian Journal of Pediatric Nursing (JPEN)*, 8(4): 62- 70.

Ebrahimian Dehaghani S., Hoseinzadeh Mofrad A., Bakhtiyari J. (2021) "Comparison of the rate of verbal oral movements in healthy younger and older native speakers of Persians", *Journal of Rehabilitation Sciences and Research*, 8(3): 121- 125. DOI: 10.30476/jrsr.2021.90508.1147

Ebrahimian Dehaghani S., Doosti A. and Zare M., (2021) "Association between swallowing disorders and cognitive disorders in adults: a systematic review and meta-analysis", *Psychogeriatric*, 1- 7. DOI: 10.1111/psyg.12704.

Ebrahimian Dehaghani S., Jafari S. and Lotfi M., (2021) "Evaluating the Role of Cognitive Function in the Occurrence of Dysphagia in Patients with Dementia: A Study Protocol", *Middle East J Rehabil Health Stud.*, 8(2): 1- 5. DOI: 10.5812/mejrh.110986.

Ebrahimian Dehaghani S., Bijankhan M., Arjmandpur F. and Mozoonei H. (2020) "Description of Three Time-Domain Speech Features in Children with Down syndrome: A pilot study", *Journal of Rehabilitation Sciences and Research*, 7(2): 75- 79. DOI: 10.30476/jrsr.2020.85370.107

Ebrahimian Dehaghani S., Ebrahimian M., and Mohammadianfar F., (2020) "The study of the effect of neuromuscular electrical stimulation on treating absent gag reflex in children: a case study", *Journal of Rehabilitation Sciences and Research*, 7(1): 43- 46. DOI:10.30476/jrsr.2020.83909.1048.

Ebrahimian Dehaghani S., Yadegari F., Asgari A., and Bagheri Z., (2019) "The mediator effect of cognition on the relationship between brain lesion location and dysphagia in patients with stroke: applying a structural equation model", *Journal of oral Rehabilitation*, 46: 33–39, DOI: 10.1111/joor.12722.

Ebrahimian Dehaghani S., Yadegari F., Asgari A., Chitsaz A., and Karami M., (2016) "Brain Regions Involved in Swallowing: Evidence from Stroke Patients in a Cross-Sectional Study", *Journal of Research in Medical Sciences*, 21:45, DOI: 10.4103/1735-1995.183997

Ebrahimian Dehaghani S., Khosropoor Z., Yousefzadeh H., Hamedanchi A., and Karami M., (2016) "Development, Validity and Reliability of Dysphagia Assessment Test in Iranian Adults after Stroke", *International Journal of Travel Medicine and Global Health*, 4(2):53-56, DOI: 10.20286/ijtmgh-04024

Ebrahimian S., (2015) "Detect Relation of Brain Lesions and Presence of Dysphagia in Acute Conscious Stroke Patients", *Abstract in Proceedings of 4th International Conference and Exhibition on Neurology & Therapeutics*, *Journal of Neurol Neurophysiol* , 6(3):35, DOI: 10.4172/2155-9562.S1.025

Yagini O., Danesh F., Mahmoudian T., Beigi B., and Ebrahimian S., (2012) "Evaluation of Developmental Delay in Children Who Came in for 6th Month Vaccination in Isfahan City Health Centers", *Iranian Journal of Child Neurology*, 6(2):29-32

Ebrahimian S., Nilipoor R., (2003) "The Correlation Between Expressive Language and Receptive Language in Down Syndrome Children with 4-5 Years of Mental Age", *Journal of Research on Exceptional Children*, 8(2):161-176

Ebrahimian S., (2002) "Etiology of Dysphagia" (translation to Farsi), *Journal of Sokhan*, *Isfahan University of Medical Sciences*, 2(2)

Ebrahimian S., (2002) "Putting Things in Context" (translation to Farsi), *Journal of Sokhan*, *Isfahan University of Medical Sciences*, 1(4)

Ebrahimian S., Mehralian Z., (1999) "Collecting Checklist of History and Evaluation of Voice Disorders, Resonance Disorders and Motor Speech Disorders and Adapting them to Persian

Language”, Technical Report (B.Sc. Dissertation), Isfahan University of Medical Sciences, Isfahan, Iran

### **Lectures and Presentations**

Ebrahimian S., (2020) “The role of speech and language pathologists in the management of cerebral palsy”, National Congress on New Approaches in Cerebral Palsy Rehabilitation, Sep. 24-26, 2020, Shiraz, Iran.

Ebrahimian S., (2019) “The mediator effect of cognition on the relationship between brain lesion location and dysphagia in patients with stroke: Applying a structural equation model”, 3rd World Congress on Neurology & Therapeutics, Oct 7-8, 2019, Madrid, Spain.

Ebrahimian S., (2018) “Swallowing disorder in stroke patients with structural equation model: The interaction of cognition and brain lesion location”, 3rd Avicenna Congress on Neurorehabilitation, Oct 4-5, 2018, Hamadan, Iran (Best oral presentation award).

Ebrahimian S., (2018) “Study on comparing acoustic properties of down syndrome children and normal children”, 16th National Congress of Speech Therapy, May 10-11, 2018, Tehran, Iran.

Ebrahimian S., (2018) “the speech therapist role in stroke management”, Multidisciplinary approaches in treatment and rehabilitation of stroke, Feb. 8, 2018, Shiraz, Iran.

Ebrahimian S., (2015) “Detect Relation of Brain Lesions and Presence of Dysphagia in Acute Conscious Stroke Patients”, Proceedings of 4th International Conference and Exhibition on Neurology & Therapeutics, July 27-29, 2015, Rome, Italy

Ebrahimian S., (2012) “Using Somatosensory Stimulation to Activate Auditory Cortex (A Literature Review on Auditory-Somatosensory Multisensory Interactions”, 11th National Congress of Speech Therapy, May 9-11, 2012, Isfahan, Iran

Ebrahimian S., (2010) “Investigating Auditory Discrimination of Persian Vowels in Hearing-Impaired Children”, 10th National Congress of Speech Therapy, February 15-17, 2010, Ahvaz, Iran

Ebrahimian S., (2010) “A Study on the Relation between Receptive and Expressive Language in Down’s Syndrome Children with Mental Age of 4-5 Years”, 28th World Congress of International Association of Logopedics and Phoniatics (IALP), August 22-26, Athens, Greece

Ebrahimian S., (2010) “A Study on Comprehension of Special Prepositions in Normal Children of 3-5 Years Old”, 28th World Congress of International Association of Logopedics and Phoniatics (IALP), August 22-26, Athens, Greece

Ebrahimian S., (2010) “Assessment and Treatment of Syntactic and Semantic Aspects of Language”, Seminar in School of Rehabilitation, Shiraz University of Medical Sciences, March 2010, Shiraz, Iran

Ebrahimian S., (2009) "New Methods in Treating Dyslexia", Seminar in School of Rehabilitation, Shiraz University of Medical Sciences, October 2009, Shiraz, Iran

Ebrahimian S., (2009) "Treatment of Cortical Blindness in 5 Children Suffering Cerebral Palsy", Congress on New Approaches in Rehabilitation of Movement Dysfunction in Specific Conditions, Jundishapour University of Medical Sciences, February 17-19, 2009, Ahvaz

Ebrahimian S., (2004) "Treatment of Expressive Language in Congenital Cerebellar Atrophy", Congress of Language-Nervous System-Artificial Intelligence, School of Letters and Humanities, Ferdowsi University, February 17, 2004, Mashhad, Iran

Ebrahimian S., (2002) "Function of Course Plan in Speech Language Pathology Clinical Supervision", Seminar in School of Rehabilitation, Isfahan University of Medical Sciences, February 10, 2002, Isfahan, Iran

Ebrahimian S., (2002) "Function of Course Plan in Speech Language Pathology Clinical Supervision", Seminar in School of Rehabilitation, Isfahan University of Medical Sciences, February 10, 2002, Isfahan, Iran

Ebrahimian S., (2000) "Using Prosthesis to Help Speech Development", Seminar in School of Rehabilitation, Isfahan University of Medical Sciences, December 2000, Isfahan, Iran

### **Workshops**

Ebrahimian S., (2018) "Treatment of neurogenic Swallowing Disorders", Shiraz University of Medical Sciences, Jul. 12, 2018, Shiraz, Iran

Ebrahimian S., (2017) "The role of speech therapist in stroke unit", Shiraz University of Medical Sciences, Feb. 24, 2017, Shiraz, Iran

Ebrahimian S., (2016) "Assessment and Treatment of Swallowing Disorders in Children", Shiraz University of Medical Sciences, March 9, 2016, Shiraz, Iran

Ebrahimian S., (2016) "Assessment of Swallowing Disorders", Mashhad University of Medical Sciences, December 30, 2016, Mashhad, Iran

Ebrahimian S., (2012) "Assessment of Swallowing Disorders", Mashhad University of Medical Sciences, December 16, 2012, Mashhad, Iran

### **Professional and Academic Affiliations**

2009-present: Faculty Member, Department of Speech & Language Pathology, Shiraz University of Medical Sciences, Shiraz, Iran

2009-2011: Head of Speech & Language Pathology Group, Shiraz University of Medical Sciences, Shiraz, Iran

May 2017-present: Chair of Speech and Language Pathology Scientific Committee, Fars Province Branch

2012-present: Member of Iranian Scientific Speech Therapy Association

2006-present: Member of Medical Council of Iran

### **Teaching Experience**

#### **2009-present Shiraz University of Medical Sciences, Shiraz, Iran**

Spring 2008, 2009 Introduction to Speech Therapy  
Lecturer

- Developing course curriculum
- Holding weekly lectures and office hours

Fall 2010-2023 Swallowing disorder in adults & infants  
Lecturer

- Developing course curriculum
- ☐ Holding weekly lectures and office hours

Fall 2010-2023 Motor speech disorder in adults & children  
Lecturer

- Developing course curriculum
- ☐ Holding weekly lectures and office hours

Spring 2011-2023 Articulation and phonological disorders  
Lecturer

- ☐ Developing course curriculum
- ☐ Holding weekly lectures and office hours

Spring 2011-2022 Differential diagnosis in speech therapy  
Lecturer

- ☐ Developing course curriculum about differential diagnosis in oral motor disorder
- ☐ Holding weekly lectures and office hours

Fall 2009-2018      Speech therapy in children with cerebral palsy  
Lecturer

- ☐ Developing course curriculum
- ☐ Holding weekly lectures and office hours

Spring 2008, 2009, 2018      Normal speech and language development  
Lecturer

- ☐ Developing course curriculum
- ☐ Holding weekly lectures and office hours

Fall 2016, 2009      Speech therapy in intellectual disability and Autism spectrum Disorders  
Lecturer

- ☐ Developing course curriculum
- ☐ Holding weekly lectures and office hours

Fall 2015, 2016 & Spring 2016      Clinical practice course  
Lecturer

- ☐ Holding weekly lectures and office hours

Spring 2015-2023      Augmentative and alternative communication  
Lecturer

- ☐ Holding weekly lectures and office hours

**2010-2012      University of Welfare & rehabilitation Sciences, Tehran, Iran**

Fall 2010, 2011 & Spring 2011, 2012      Clinical practice course  
Lecturer

- ☐ Holding weekly lectures and office hours

Spring 2012      Augmentative and alternative communication  
Lecturer

☐ Holding weekly lectures and office hours

**1999-2003**

**Isfahan University of Medical Sciences, Isfahan, Iran**

Fall 2000-2002 & Spring 1999-2003 Clinical practice course

Instructor

☐ Holding weekly lectures and office hours

### **Research Grants**

Grant No. 51-20704 for Research Project Entitled: " Relation of swallowing and cognitive disorders in adults: Systematic review and meta-analysis", Shiraz University of Medical Sciences, Shiraz, Iran, 2020

Grant No. 51-20053 for Research Project Entitled: " Evaluating the Mediator Role of Cognitive Disorder in Occurrence of Dysphagia in Patients with Dementia", Shiraz University of Medical Sciences, Shiraz, Iran, 2020

Grant No. 51-17765 for Research Project Entitled: " Investigating the effectiveness of tactile stimulation in improving oral assessment and dysphagia in patients with stroke and dysphagia", Shiraz University of Medical Sciences, Shiraz, Iran, 2019

Grant No. 51-18881 for Research Project Entitled: " Detection of Oral Motor Indexes in normal infants between 7 to 9 months old", Shiraz University of Medical Sciences, Shiraz, Iran, 2019

Grant No. 51-16314 for Research Project Entitled: " Detection of Oral Motor Indexes in normal infants between 4 to 6 months old", Shiraz University of Medical Sciences, Shiraz, Iran, 2018

Grant No. 51-16797 for Research Project Entitled: " Determination of diadochokinesis indicators in healthy elderly people ", Shiraz University of Medical Sciences, Shiraz, Iran, 2017

Grant No. 51-14649 for Research Project Entitled: " Determination of diadochokinesis indicators in healthy young people", Shiraz University of Medical Sciences, Shiraz, Iran, 2017

Grant No. 293010 for Research Project Entitled: " Detecting Brain location involved swallow based on brain lesion of stroke patient.", University of Social Welfare & rehabilitation Sciences, Tehran, Iran, 2014

Grant No. 88-4995 for Research Project Entitled: "An Investigation into Hearing-Impaired Children's Auditory Discrimination of Persian Vowels and Consonants", Shiraz University of Medical Sciences, Shiraz, Iran, 2010



Grant No. 81247 for Research Project Entitled: "A Study in Comprehension of Spatial Preposition in Normal Children 3-5 years old", Isfahan University of Medical Sciences, Isfahan, Iran, 2002

Grant No. 89-5344 for Research Project Entitled: "Comparison between Syntactic, Semantic and Phonological Skills of Children with Cochlear Implant and Children with Normal Hearing", Shiraz University of Medical Sciences, Shiraz, Iran, 2010

### **Clinical Experience**

#### **2009-present:**

Assistant Professor, Faculty Member, Dept. of Speech & Language Pathology, Shiraz Univ. of Medical Sciences, Shiraz, Iran

#### **1997-2009**

Multiple medical and rehabilitation centers in Isfahan province

Treating cerebral palsy children in Arman Rehab. Center, Isfahan, Iran

Treating intellectual disability and Autism spectrum disorder children in Amin Medical Center, Najafabad, Iran

Treating intellectual disability, Autism spectrum disorder children & cerebral palsy children in Pooyesh Rehabilitation Center, Tehran, and Saadat Rehabilitation Center, Isfahan, Iran

### **References**

Available upon request.