

CURRICULUM VITAE

Dr. Mohammad-Sadegh Seifpanahi

Academic Positions

- 2016-Present Assistant Professor, Speech and Language Pathology Department, Hamadan University of Medical Sciences, Iran.
Email: panahi29@gmail.com , Ms.seifpanahi@umsha.ac.ir
- 2011-2015 Lecturer, Speech and Language Pathology Department, Hamadan University of Medical Sciences, Iran.
- 2007-2010 Lecturer, Speech and Language Pathology Department, Zahedan University of Medical Sciences, Zahedan, Iran.

Academic Qualifications

- 2011-2015 **PhD**, Speech Therapy, Iran University of Medical Sciences, Tehran, Iran.
The first rank of the written exam of the Speech therapy Ph.D. entrance exam.
- 2003-2006 **MSc**, Speech Therapy, Tehran University of Medical Sciences, Tehran, Iran.
- 1999-2003 **BSc**, Speech Therapy, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran.

My Postgraduate thesis

PhD Thesis: The role of the internal branch of the Superior Laryngeal Nerve (ISLN) in motor responses of vocal cords and the related voice acoustic changes.

MSc Thesis: Motor control of speaking rate, speech intelligibility, and oral diadochokinesis in hearing-impaired Farsi speakers.

Peer reviewed Papers

1. **Mohammad-Sadegh Seifpanahi**, Behnaz Bayat, Somayeh Ghorbani Gholiabad, Mohammad Rezayi. Self-rated vocal complaints relationship to Vocal Tract Discomfort and Singers Voice Handicap Index in Iranian religious singers. *European Archives of Oto-Rhino-Laryngology*. 2021; 278:2411–2419.
2. Elaheh Akbari, **Sadegh Seifpanahi (Corresponding author)**, Ali Ghorbani, Farzad Izadi, Farhad Torabinezhad. The Effects of Size and Type of Vocal Fold Polyp on Some Acoustic Voice Parameters. *Iranian Journal of Medical Sciences*. Iran J Med Sci March. 2018; 43 (2).
3. **Sadegh Seifpanahi**, Farzad Izadi, Ali-Ashraf Jamshidi, Nasrin Shirmohammadi. Effects of transcutaneous electrical stimulation on vocal folds adduction. *Eur Arch Otorhinolaryngol*. 2017; 274:3423–3428.
4. Ehsan Hemmati, Davood Sobhani-Rad, **Sadegh Seifpanahi**, Hamideh Ghaemi. The Relationship between Working Memory and Confrontation Naming Following Traumatic Brain Injury, *JRSR*. 2018;5(4).
5. **Sadegh Seifpanahi**, Farzad Izadi, Ali-Ashraf Jamshidi, Farhad Torabinezhad, Javad Sarrafzadeh, Siavash Mohammadi, The role of internal Superior Laryngeal Nerve (ISLN) in motor responses of vocal cords and the related voice acoustic changes, *Iran J Med Sci*, 2016, 41(5): 374-81.
6. **Sadegh Seifpanahi**, Farzad Izadi, Ali-Ashraf Jamshidi, Farhad Torabinezhad, Javad Sarrafzadeh, Davood Sobhani-Rad, and Majid Ganjuie, Prevalence of Voice Disorders and Associated Risk Factors in Teachers and Nonteachers in Iran, *J Voice*. 2016 Jul; 30(4):506.e19-23.
7. **Sadegh Seifpanahi**, Shohreh Jalaie, Mohammad Reza Nikoo, Davood Sobhani-Rad, Translated Versions of Voice Handicap Index (VHI)-30 across Languages: A Systematic Review, *Iran J Public Health*, Vol. 44, No.4, Apr 2015, pp.458-469.
8. Hamideh Ghaemi, Davood Sobhani-Rad, Ali Arabi, **Sadegh Saifpanahi**, Zahra Ghayoumi Anaraki. Review Paper: Role of Basal Ganglia in Swallowing Process.

- IRJ. 2016; 14(4):239-245.
9. **Saifpanahi S**, Sobhani Rad D, Afzali M, Izanloo S, Mardani N, Gholamian M, Farazi M. An investigation of the Correlation between Phonological and Visual Working Memory with Severity of Stuttering in 6-12 Years-Old Children, JPSR. 2016; 4(4).
 10. Davood Sobhani – Rad, Asgar Ghorbani, Hassan Ashayeri, Shohereh Jalaei, Behrooz Mahmoodi-Bakhtiari, **Sadegh Saifpanahi**, Psychometric assessment of adult pragmatic profile, Journal of American Science 2013; 9(11s).
 11. **Seifpanahi MS.**, Bakhtiar M., Salmalian T, Objective Vocal Parameters in Adults with Down syndrome in Farsi, Folia Phoniatr Logop. 2011;63(2):72-6.
 12. Mehdi Bakhtiar, **Sadegh Seifpanahi**, Hossein Ansari, Mehdi Ghanadzade, Ann Packman, Investigation of the reliability of the SSI-3 for preschool Persian-speaking children who stutter, Journal of Fluency Disorders, 2010; 35: 87–91.
 13. **Seifpanahi MS.**, Dadkhah A., Dehqan A., Bakhtiar M., Salmalian T., Motor control of speaking rate and oral diadochokinesis in hearing-impaired Farsi speakers, Logopedics Phoniatrics Vocology, 2008;33(3):153-9.
 14. Dehqan A., Bakhtiar M., **Seifpanahi MS.**, Ashayeri H., Relationship between stuttering severity in children and their mothers’ speaking rate, Sao Paulo Med J. 2008;126(1):29-33.
 15. Bakhtiar M., Dehqan A., **Seifpanahi MS.**, Nonword repetition ability of children who do and do not stutter and Covert repair hypothesis, Indian Journal of Medical Sciences, Vol. 61, No. 8, August, 2007, pp. 462-470.

Research granted by Iranian Medical universities and Awards:

Current in Process Projects:

1. Investigating the Impact of specific laryngeal manipulation therapy on religious eulogists in Hamadan, Granted by Hamadan University of Medical Sciences, In Process.

2. Translation, Validity and reliability of voice Handicap Index-10 (VHI-10) in Farsi, Granted by Hamadan University of Medical Sciences, In Process.
3. Acoustic features, Nasality Severity Index (NSI) and Cepstral Peak Prominence (CPP) in Iranian people with Cleft palate and Lip, Granted by Hamadan University of Medical Sciences, In Process.
4. Investigation of the Electroglottogram (EGG) and its correlation with laryngeal stroboscopic and acoustic features in patients suffer from Multiple Sclerosis (MS). Granted by Hamadan University of Medical Sciences, In Process.
5. Developing a mobile-based game to treat articulation disorders in children, Granted by Hamadan University of Medical Sciences and Tehran University of Medical Sciences, In process.
6. The rate of interest to apply mobile-based therapy games among speech therapists, Granted by Hamadan University of Medical Sciences, In process.
7. The rate of interest to apply mobile-based speech therapy games among the related patients, Granted by Hamadan University of Medical Sciences, In process.
8. Top Researcher of the Rehabilitation Faculty, Zahedan University of Medical Sciences (2007).

Completed Projects:

1. Depression severity determination via prosody and acoustic features of speech, Granted by Hamadan University of Medical Sciences, 2021.
2. Investigation of the voice and laryngeal disorders among religious singers in Hamadan, Granted by Hamadan University of Medical Sciences, 2020.
3. Comparison of Narrative Speech and Writing Skills between Healthy Older Adults and Patients with Mild Alzheimer's disease, Granted by Hamadan University of Medical Sciences, 2020.
4. The acoustic properties of speech in Children with autism Spectrum disorder, Granted by Hamadan University of Medical Sciences, 2019.

5. Comparison of Narrative Speech and Writing Skills between Deaf Children with Cochlear Implant and Hearing Aides, Granted by Hamadan University of Medical Sciences, 2018.
6. Relationship between speech disorders and malocclusion severities in subjects with cleft palate disorder, Granted by Hamadan University of Medical Sciences, 2018.
7. The study of dysphagia prevalence among patients hospitalized at neurology department of Farshchian Hospital of Hamedan, Granted by Hamadan University of Medical Sciences, 2017.
8. Investigation of Psychometric properties of Persian version of Singing Voice Handicap Index (SVHI), Granted by Hamadan University of Medical Sciences, 2016.
9. The role of the internal branch of the Superior Laryngeal Nerve (ISLN) in motor responses of vocal cords and the related voice acoustic changes. Granted by Iran University of Medical Sciences, 2015.
10. Comparison of Fundamental frequency and vowel formants of Farsi sentences between bilingual Kurdish, Turkish and native Farsi speakers, Granted by Hamadan University of Medical Sciences, 2014.
11. Prevalence of Voice Disorders and Associated Risk Factors in Teachers and Non-teachers in Iran, Granted by Zahedan University of Medical Sciences, 2010.
12. Translation and Investigation of the reliability of the SSI-3 for preschool Persian-speaking children who stutter, Granted by Zahedan University of Medical Sciences, 2009.

Congress, Webinar, and workshop Presentations

1. Seifpanahi MS. Swallowing and voice problems in old people. Presented at the Conference of the Ear-Nose-Throat problems in Old people. Otorhinolaryngology department of Hamadan University of Medical Sciences, Online conference, 28th October 2021.

2. Seifpanahi MS. Novel diagnostic and therapeutic approaches for vocal fold paralysis. Presented at the Comprehensive webinar on "Novelties in voice disorders treatment". Iran, 17th Jun-16th Jul, 2021.
3. Seifpanahi MS. Respiration problems and their impacts on voice and speech of patients with Multiple Sclerosis (MS). Presented at "The 4th Avicenna Congress of Neurorehabilitation (Stroke, Multiple Sclerosis)". Hamadan. 12th – 13th November, 2019.
4. Seifpanahi MS, Rezayi M, Bayat B. Investigation of the voice disorders among religious eulogists in Hamadan. Presented at "The 17th Iranian Congress of Speech therapy", Tehran. 1st -3rd May, 2019.
5. Seifpanahi MS, Rezayi M, Ghorbani AA. Dysphagia prevalence and related factors among patients of neurology division of Farshchian Hospital of Hamadan. Presented at "The 16th Iranian Congress of Speech therapy", Tehran. 10th -11th May, 2018.
6. Seifpanahi MS. Limbic system: The main factor to diagnose Depression via acoustic voice features. Presented at "The 3rd Avicenna Congress of Neurorehabilitation". Hamadan. 4th – 5th October, 2018.
7. Seifpanahi MS, Voice and swallowing disorders in Parkinson's Disease (PD). Presented at Workshop of Neurorehabilitation for Parkinson's Disease. Hamadan University of Medical Sciences. December 2018.
8. Seifpanahi MS. Vowel formants in Farsi speakers. Presented at "The 2nd Avicenna Congress of Neurorehabilitation". Hamadan. 5th – 6th October, 2017.
9. Seifpanahi MS, Dysphagia in Cerebral Palsy. Presented at Workshop of Neurorehabilitation for children with Cerebral Palsy (CP). Hamadan University of Medical Sciences. Feb. 2017.
10. Seifpanahi MS, Torabinezhad F, Izadi F, Jamshidi A, Sarrafzadeh. Evoking the motor responses of vocal cords and acoustic changes by using Transcutaneous Electrical Stimulation (TES) for internal Superior Laryngeal Nerve (ISLN). Presented at "The 14th Iranian Congress of Speech therapy", Tehran. 10th – 12th May, 2016.
11. Seifpanahi MS, Swallowing disorder and its management in patients with Cerebral Vascular Accident (CVA). Presented at Workshop of The team-work treatment for patients with Cerebral Vascular Accident (CVA). Hamadan University of Medical Sciences. May, 2016.

12. Seifpanahi MS, Salmalyan T. Applying a classic sensory neuron to reeducate the responses of a motor neuron. Presented at "The 1st Avicenna congress of Rehabilitation sciences (Neurorehabilitation). 29th -30th September, 2016.
13. Torabinezhad F, Seifpanahi MS, Izadi F. Vocal fold paralysis in Cardiovascular disease. Presented at "Third joint Cardiovascular Congress of Iran", Tehran. 3rd -6th March, 2015.
14. **Seifpanahi S**, Salmalian T, laryngeal electrical stimulation for vocal fold paralysis, The 29th world congress of the ILAP (The worldwide organization of professionals and scientists in communication, voice, speech language pathology, audiology and swallowing), Lingotto Congress Centre, Torino, **Italy**, August 25-29, 2013.
15. **Sadegh Seifpanahi**, Tahmineh Salmalian, Asghar Dadkhah, Mehdi Bakhtiar, Ali Dehqan, motor control of speaking rate and oral diadochokinesis in hearing-impaired farsi speakers, Oral presentation, The New Bulgarian University, **Bulgaria**, Sofia, 26-28 September, 2008.

Research Center Memberships

- 2017-Present Research Center of Developmental impairment in children, Hamadan University Of Medical Sciences (Founder and Member).
- 2003-2006 Neurodevelopmental Research Center, University of Rehabilitation and Welfare Sciences.

Clinical Experiences

- 2016-Present Practice as Speech therapist in *Voice disorder, Resonance disorder*, and *Dysphagia clinics*, Hamadan University of Medical Sciences, Hamadan, Iran.
- 2011-2015 Practice as Speech therapist in *Voice disorder, Resonance disorder*, and *Dysphagia clinics*, Iran University of Medical Sciences, Tehran, Iran.
- 2007-2011 Practice as Speech therapist in Voice clinic and other various clinics of Zahedan University of Medical Sciences, Iran.
- 2003-2006 Practice as Speech therapist in various clinics of Tehran University of Medical

Sciencec, Tehran, Iran.

2003-2006 Practice as Speech therapist for children with feeding and neuromuscular speech problems, Zafar Neuro-rehabilitation clinic, Tehran, Iran.

Teaching

Classroom Teachings:

Course 1: Voice Disorders (Pathology, Assessment, and Treatment)

- Program:

1. Master of Science in Speech therapy
2. Bachelor of Science in Speech therapy
3. General medical students
4. Residents of otorhinolaryngology

- Place:

1. Speech and Language Pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2012-Present).
2. Speech and Language Pathology Department, Iran University of Medical Sciences, Tehran, Iran (2012-2014).
3. Zahedan University of Medical Sciences, Zahedan, Iran (2007-2011).

Course 2: Swallowing and feeding disorders in children

- Program: Bachelor of Science in Speech therapy

- Place: Speech and Language Pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2012-Present).

Course 3: Dysphagia in adults (Pathology, Assessment, and Treatment)

- Program: Master of Science in Speech therapy

- Place: Speech and Language Pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2021-Present).

Course 4: Speech, Language, and Swallowing Lab

- Program: Master of Science in Speech therapy

- Place: Speech and Language Pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2021-Present).

Course 5: Speech therapy in adulthood motor speech disorders

- Program: Master of Science in Speech therapy
- Place: Speech and Language Pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2021-Present).

Course 6: Speech disorders in Lip and Palate Cleft

- Program:
 1. Bachelor of Science in Speech therapy
 2. Residents of Orthodontics
- Place: Hamadan University of Medical Sciences, Hamadan, Iran (2012-2020).

Course 7: Special terminology of Speech and Language Pathology

- Program: Bachelor of Science in Speech therapy
- Place: Speech and Language Pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2016-Present).

Course 8: Special terminology of Medical Sciences

- Program: Bachelor of Science in Speech therapy
- Place: Speech and Language Pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2016-Present).

Course 9: Differential diagnosis in Speech and language disorders

- Program: Bachelor of Science in Speech therapy
- Place: Speech and Language Pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2012-2015).

Course 10: Speech and Language Processing Models

- Program: Bachelor of Science in Speech therapy
- Places:
 1. Speech and Language Pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2012-2015).
 2. Zahedan University of Medical Sciences, Zahedan, Iran (2009-2011).

Course 11: Fluency Speech Disorders (Stuttering, Cluttering,...)

- Program: Bachelor of Science in Speech therapy
- Place: Speech and Language Pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2012-2015).

Course 12: Communication disorders in Older adults

- Program: Bachelor of Science in Speech therapy
- Place: Speech and Language Pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2020-2021).

Course 13: Specific Language Impairment (SLI)

- Program: Bachelor of Science in Speech therapy
- Place: Speech and Language Pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2012-2015).

Course 14: Health, Prevention, and Counselling methods in communication disorders

- Program: Bachelor of Science in Speech therapy
- Place: Speech and Language Pathology Department, Iran University of Medical Sciences, Tehran, Iran (2012-2013).

Clinical Teachings:

1. Resonance and Voice Disorder Clinics (2012-Present):
Program: MSc and BSc students of speech therapy at Medical universities of (Hamadan, Iran, Tehran).
2. Feeding and Swallowing disorder Clinics (2012-Present):
Program: MSc and BSc students of speech therapy at Medical universities of (Hamadan, Iran, Tehran).

Research Supervisions:

- **Graduate Students:**
 1. Thesis for the degree of **Ph.D. in Medical Informatics** (Student of Tehran University of Medical Sciences): Designing and creating a mobile-based Speech Rehabilitation Game for Children with Articulation Disorders (2021-Present).

2. Thesis for the degree of MSc. in Speech therapy student in Isfahan University of Medical Sciences: Effect of Lidcombe Program on Some Speech and Non-Speech Characteristics 7-9 Year Old Persian School Age children who stutter (2018).
 3. Thesis for the degree of MSc. In Linguistics (student of Shiraz University): Investigation of the Hearing Loss on the speech features (vowel formants,...) of the school-aged HL students of Zahedan (2011).
- **Undergraduate Students:**
1. Thesis for the degree of Doctorate in Dentistry: Relationship between speech disorders and malocclusion severity in patients with cleft lip and palate (2018).
 2. Project for the BSc degree in Speech therapy: The Vocal health in Elite Professional Voice Users (2020).
 3. Project for the BSc degree in Speech therapy: Investigation of the pediatric dysphagia in Hamadan (2021).
 4. Project for the BSc degree in Speech therapy: The acoustic properties of speech in Children with autism Spectrum disorder (2019).
 5. Project for the BSc degree in Speech therapy: Study and Comparison of Means of Fundamental Frequency and the First Three Formants Frequency of Persian Vowels in Kurdish, Turkish and Farsi Students of Hamadan University of Medical Sciences (2014).
 6. Variant Translation, Compilation, and data gathering as Projects for the BSc degree in Speech therapy in Hamadan University of Medical Sciences.

Executive Activities

1. Dean of Faculty of Rehabilitation sciences, Hamadan University of Medical Sciences, Hamadan, Iran (2018-2021).
2. Dean of Physical Rehabilitation Committee of Hamadan province (2019-2021).
3. Editorial board of "Pajouhan Scientific Journal" (2020-Present).
4. Review Editor in "*The Scientific World Journal*". (2019-Present)
5. Head of Speech & language pathology Department, Hamadan University of Medical Sciences, Hamadan, Iran (2017-2018).

6. Founder of Speech, Language, and Swallowing Laboratory in Hamadan University of Medical Sciences, Hamadan, Iran (2016).
7. Scientific Secretary of the 1st Avicenna congress of Rehabilitation Sciences (Neurorehabilitation), Hamadan University of Medical Sciences, Hamadan, Iran (2016).
8. Head of Speech & language pathology Department, Zahedan University of Medical Sciences, Iran (2007-2011).

Clinical Instrumental Skills:

1. **Fiberoptic Endoscopic Evaluation of Swallowing (FEES):** Its applying and diagnostic analysis for Dysphagia.
2. **Flexible and Rigid laryngeal VideoStroboscopy:** Its applying and diagnostic analysis for people with Voice disorders and Singers.
3. **Flexible Nasopharyngoscopy:** To evaluate Velopharyngeal (VP) Port in Resonance disorders.
4. **Vital-Stim therapy:** Special Transcutaneous Electrical Stimulation for people suffer from swallowing disorder.
5. **Transcutaneous Electrical Stimulation:** For people with Vocal fold paralysis.
6. **Nasometry:** Its applying and diagnostic analysis for people with Resonance problems.
7. **Electroglottograph:** Its applying and diagnostic analysis for people with Voice or Swallowing disorders.
8. **Dr. Speech Software:** For diagnostic and Therapeutic aims for voice disorder.
9. **PRAAT software:** For diagnostic and Therapeutic aims for voice disorder and also in Research analysis.
10. **Phonetogram:** For people with Voice disorders and Singers.
11. **Other common speech therapy software and instruments.**

Research Interests:

- 1) Voice (laryngeal) disorders

- 2) Swallowing disorders
- 3) Resonant disorders

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