



Curriculum vitae

Bahare khavarghalani

Ph.D. in Audiology

Bahare khavarghazalani

- ❖ Assistant Professor of audiology
- ❖ Department of Audiology, Faculty of Rehabilitation Sciences, Hamedan University of Medical Sciences (UMSHA), Fahmideh Ave, Hamedan, Iran.

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Education

2017 - 2023 Ph.D. in audiology, Tehran university of medical science, Tehran, IRAN

Dissertation Title: " Comparison the effect of galvanic vestibular stimulation combined with conventional vestibular rehabilitation program or virtual reality rehabilitation on cognitive and balance performance of patients with unilateral peripheral vestibulopathy" Accepted with score 19.36/20, **Supervisors:** Dr. Mansoureh Adel Ghahraman, Dr. Reza Hoseinabadi, **Advisors:** Dr. Shohreh Jalaie, Dr. Ali Kouhi, Dr. Roya Khanmohammadi

2011 - 2013 MSc in audiology, University of Social Welfare and Rehabilitation Science, Tehran, Iran

Dissertation Title: " A Comparison of auditory working memory span between children with central auditory processing disorders and normal children aged 7 to 10 years in Tehran " Accepted with a score of 19.40/20, **Supervisor:** Dr. Yones Lotfi, Abdullah Moosavi, **Advisors:** Dr. Saeede Mehrkian & Dr. Behrooz Bakhtiyari

2006 - 2010 BSc in audiology, Tehran university of medical science, Tehran, IRAN

Dissertation Title: "Assistance hearing technologies " Accepted with a score of 20 /20, **Supervisor:** Dr. Farzaneh Fatahi

Current areas of interest include:

- ❖ Central auditory processing
- ❖ Central auditory processing rehabilitation
- ❖ auditory and vestibular neuroscience
- ❖ vestibular system assessment
- ❖ vestibular rehabilitation
- ❖ Galvanic vestibular stimulation
- ❖ vestibular and cognition
- ❖ Auditory electrophysiology

JOURNAL PAPERS

1. Dastgerdi ZH, Gohari N, Mehrabifard M, Seifi H, **Khavarghazalani B.** Effect of Vestibular Rehabilitation on Sleep Quality and Depression in the Elderly With Chronic Dizziness: A Prospective Study. Journal of audiology & otology. 2023.
2. **Khavarghazalani B,** Ghahraman MA, Hoseinabadi R, Jalaie S, Kouhi A, Yazdani N. Combining Vestibular Rehabilitation and Noisy Galvanic Vestibular Stimulation for Treatment of Unilateral Vestibulopathy: A Randomized Controlled Trial. Auditory and Vestibular Research. 2023.
3. Gohari N, Emami SF, **Khavarghazalani B.** Comparison of the General Health of Parents of Hearing-Impaired Children with Early and Late Intervention. Journal of Rehabilitation Sciences & Research. 2023;10(3):157-61.
4. Kamali B, **Khavarghazalani B(Corresponding Author),** Hosseini Dastgerdi Z. Auditory processing disorder in elderly. Hearing, Balance and Communication. 2022;20(4):240-6.
5. Farazi M, Hosseini Dastgerdi Z, **Khavarghazalani B.** What is the role of auditory processing in stuttering? A mini review of previous knowledge. Hearing, Balance and Communication. 2022;20(1):1-7.

6. Emami SF, **Khavarghazalani B(Corresponding Author)**, Investigate the Ability to Auditory Temporal Processing in Dyslexic Children: Cross-sectional study. Journal of Research in Rehabilitation Sciences. 2021;17(1).
7. **Khavarghazalani B**, Adel Ghahraman M. A review on effectiveness of virtual reality-based exercise programs for vestibular dysfunction. The Scientific Journal of Rehabilitation Medicine. 2020;9(3):317-27.
8. Gohari N, Sajadi E, Azvantash Z, **Khavarghazalani B**. A comparative study on the general health of the mothers of children with cochlear implant, hearing aid, and normal hearing. Auditory and Vestibular Research. 2020.
9. Hosseini Dastgerdi Z, Lotfi Y, **Khavarghazalani B**. Overview on Neuroscience and Management of Tinnitus. The Scientific Journal of Rehabilitation Medicine. 2018;7(1):252-60.
10. Hamidi Nahrani M, Farahani F, Seifrabiei MA, **Khavarghazalani B**. Comparison of Auditory Efferent System between Normal and Dyslexic Children Using Contralateral Suppression of Transient-Evoked Otoacoustic Emission. The Scientific Journal of Rehabilitation Medicine. 2018;7(1):93-88.
11. **Khavarghazalani B**, Farahani F, Emadi M, Hosseini Dastgerdi Z. Auditory processing abilities in children with chronic otitis media with effusion. Acta oto-laryngologica. 2016;136(5):456-9.
12. Emadi M, Rezaei M, Farahani F, Haghghi M, Shayganfar M, **Khavarghazalani B**. Repetitive transcranial magnetic stimulation for tinnitus: influence of loudness and frequency of tinnitus on tinnitus suppression. 2016.
13. Lotfi Y, **Khavarghazalani B(Corresponding Author)**, Gohari N. Assessment of working memory in children with auditory processing disorder. Sci J Rehab Med. 2015;4(3):181-90.
14. Moossavi A, **Khavarghazalani B(Corresponding Author)**, Lotfi Y, Mehrkian S, Hosseini Dastgerdi Z. Auditory working memory span of children with (central)

auditory processing disorders and normal children aged 8 to 10 years. Journal of Rehabilitation Sciences & Research. 2015;2(2):27-30.

15. Moossavi A, **Khavarghazalani B(Corresponding Author)**, Lotfi Y, Mehrkian S, Bakhshi E, Bakhtiari BM. Validity and reliability of a non-sense syllable test for evaluating phonological working memory in Persian speaking children. Audiology. 2014;23(4).

16. Moosavi A, HOSSEINI DZ, Lotfi Y, Mehrkian S, Bakhshi E ,**Khavarghazalani B.** Auditory lateralization ability in children with (central) auditory processing disorder. 2014.

JOURNAL REVIEWS / EDITORIAL BOARD

1. Reviewer of Papers in Auditory and Vestibular Research Journal from 2023 until now.

2. Reviewer of Papers in Hearing, Balance and Communication Journal from 2022 until now.

TEACHING RESPONSIBILITIES:

- Principles of rehabilitation for BSC audiology students at Hamadan University of Medical Sciences
- Central Auditory processing disorder for BSC audiology students at Hamadan University of Medical Sciences
- Basics audiology assessment for BSC audiology students at Hamadan University of Medical Sciences
- Principles and basics of audiology rehabilitation for BSC audiology students at Hamadan University of Medical Sciences
- Acoustic and psychoacoustic for BSC audiology students at Hamadan University of Medical Sciences

- Audiology and its assessment methods for BSC Speech -Therapy students at Hamadan University of Medical Sciences
- Clinical Supervisor and Instructor for BSC audiology students at Hamadan University of Medical Sciences, 2023
- Clinical Supervisor and Instructor for BSC audiology students at Hamadan University of Medical Sciences, from 2013 to 2017
- Clinical Supervisor and Instructor for BSC audiology students at Tehran University of Medical Sciences, from 2017 to 2023

PAPERS PRESENTED IN CONGRESS & SEMINAR – INTERNATIONAL & NATIONAL:

- The synergic effect of galvanic vestibular stimulation combined with virtual reality vestibular rehabilitation on balance performance of patients with unilateral peripheral vestibulopathy- 19th Iranian Audiology Congress;2023, Tehran; Iran
- Virtual-vestibular rehabilitation: a review of literature- 19th Iranian Audiology Congress;2023 Tehran; Iran
- Galvanic vestibular stimulation combined with vestibular rehabilitation on balance performance of patients with unilateral peripheral vestibulopathy, based on single and dual-task paradigm. 18th international Otorhinolaryngology Congress;2023 Tehran; Iran
- The 2nd Avicenna Congress of Neurorehabilitation; 2017, Hamedan; Iran
- One-day tinnitus management and assessment seminar; 2016, Hamedan; Iran
- The first neurological rehabilitation conference; 2016, Hamedan; Iran
- A one-day seminar on prescribing hearing aids in children and infants; 2015, Hamedan; Iran
- 13th Iranian Audiology Congress; 2014, Tehran; Iran
- 12th Iranian Audiology Congress; 2013, Tehran; Iran

Research projects

1. Comparison of general health of parents of hearing-impaired children with early interventions and hearing-impaired children with late interventions (Hamadan University of Medical Science)
2. Investigating the effect of vestibular rehabilitation on sleep disorders in the elderly with dizziness (Hamadan University of Medical Science)
3. Comparison the effect of galvanic vestibular stimulation combined with conventional vestibular rehabilitation program or virtual reality rehabilitation on cognitive and balance performance of patients with unilateral peripheral vestibulopathy (Tehran University of Medical Science)
4. Investigating the ability of auditory temporal processing in dyslexic children from 8 to 12 in Hamadan city (Hamadan University of Medical Science)
5. Investigating digit span memory in children with auditory processing disorder aged 7 to 10 years (Hamadan University of Medical Science)
6. Comparison of central auditory processing ability in the elderly and young people of Hamadan city (Hamadan University of Medical Science)
7. Assessment of central auditory processing in patients with tinnitus (Hamadan University of Medical Science)
8. Comparison of non-word repetition test in children with auditory processing disorder with normal children aged 7 to 10 years (Hamadan University of Medical Science)
9. Comparison of auditory processing ability in dyslexic children with normal children aged 8 to 12 in Hamadan city (Hamadan University of Medical Science)
10. Comparison of auditory processing ability in children with a history of otitis media with normal children aged 8 to 10 years in Hamadan city (Hamadan University of Medical Science)

11. Investigating the effect of adding gestures to the auditory-verbal approach for teaching simple verbs to 2-3 years old hearing impaired children with cochlear implants in Hamedan (Hamadan University of Medical Science)

ENGLISH-LANGUAGE CERTIFICATE

MHLE Total Score: 67/100