

MARYAM SADEGHIJAM

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My name is maryam Sadeghijam, and I am assistant professor of audiology at Iran University of Medical Science (IUMS). I am also a PhD graduate of IUMS in December 2019 and I have more than 20 years' experience working as an audiologist in different academic and clinical settings.

EDUCATION

DECEMBER 2019

DOCTOR OF PHYLLOSOPHY (PHD) IN AUDIOLOGY, IRAN UNIVERSITY OF MEDICAL SCIENCES

Thesis title: the effect on binaural beat stimuli on the brain electrical responses and clinical findings in the individuals suffering from annoying chronic tinnitus (<http://iums.ac.ir/en>).

JUNE 2005

MASTER'S DEGREE (M.SC) IN AUDIOLOGY, IRAN UNIVERSITY OF MEDICAL SCIENCES

Thesis title: A survey on the auditory site of lesion in neonates and infants suffering from hyperbilirubinemia using ABR and TEOAE test (<http://iums.ac.ir/en>).

JULY 2000

BACHELOR'S DEGREE (B.SC) IN AUDIOLOGY, IRAN UNIVERSITY OF MEDICAL SCIENCES

Thesis title: considerations in central auditory processing disorders (<http://iums.ac.ir/en>).

EXPERIENCE

FEBRUARY 2022 – PRESENT

ASSISTANT PROFESSOR OF AUDIOLOGY, IRAN UNIVERSITY OF MEDICAL SCIENCES

Teaching theoretical and practical audiology courses, Training undergraduate and graduate audiology students.

FEBRUARY 2010- FEBRUARY 2022

**MEMBER OF TEACHING STAFF OF THE AUDIOLOGY DEPARTMENT, IRAN
UNIVERSITY OF MEDICAL SCIENCE**

Teaching practical and theoretical courses to undergraduate audiology students.

PROFESSIONAL INTERESTS

- Hearing aids and assistive listening devices; consultation, selection, fitting and fine tuning in adults and children
- Tinnitus; evaluation & management; especially sound therapy and cognitive behavioral therapy
- Vestibular system function; assessment & rehabilitation

TEACHING EXPERIENCE

BACHELOR OF SCIENCE IN AUDIOLOGY (THEORY & PRACTICAL)

- Anatomy & physiology of auditory and vestibular system (T)
- Behavioral assessments of children hearing (P)
- Prescription and fitting of hearing aids and assistive listening devices (T&P)
- Ear, nose and throat diseases (T)
- Audiologic, Psychoacoustic and psychometrics assessments of tinnitus (T&P)
- Vestibular system assessment (P)
- Introducing the field of audiology to speech therapists (T)
- Prescription and fitting of hearing aids and assistive listening devices (International teaching)

MASTER OF SCIENCE IN AUDIOLOGY (THEORY & PRACTICAL)

- neuroscience of hearing (T)
- advanced hearing aid prescription and fitting (T)
- special populations (tinnitus) (T&P)

PH.D. IN AUDIOLOGY

- cognitive neuroscience (T)

ACADEMIC SUCCESSEE:

2019 2th rank in audiology PhD students

2005 2th rank in audiology graduate students

ACADEMIC POSITIONS

FEBRUARY 2022 – PRESENT

ASSISTANT PROFESSOR OF AUDIOLOGY

Iran University of Medical Sciences, School of Rehabilitation Sciences (<http://iums.ac.ir/>)

FEBRUARY 2022 – PRESENT

MEMBER OF VESTIBULAR SYSTEM ASSESMENT & REHABILITATION RESEARCH COMMITTEE

Iran University of Medical Sciences, School of Rehabilitation Sciences; Audiology department

FEBRUARY 2022 – PRESENT

MEMBER OF TINNITUS ASSESMENT & REHABILITATION RESEARCH COMMITTEE

Iran University of Medical Sciences, School of Rehabilitation Sciences; Audiology department

FEBRUARY 2022 – PRESENT

MEMBER OF ASSISSTIVE LISTENING DEVICES AND HEARING AIDS COMMITTEE

Iran University of Medical Sciences, School of Rehabilitation Sciences; Audiology department

EXECUTIVE POSITIONS

July 2022

SCIENTIFIC MANAGER

Cognitive behavioral therapy in tinnitus, webinar, IUMS

From March 2023

Head of audiology code determining of Iranian audiology association

APPROVED PROJECTS AND GRANTS

APPROVED PROJECT / CODE: 97023233909

Title: the effect on binaural beat stimuli on the brain electrical responses and clinical findings in the individuals suffering from annoying chronic tinnitus

Status: completed

Sponsor: School of Rehabilitation Sciences, Iran university of medical sciences
Role: partner investigator

APPROVED PROJECT / CODE: 9813714689

Title: Development of Clinical Practice Guideline in Tinnitus Management
Status: completed
Sponsor: School of Rehabilitation Sciences, Iran university of medical sciences
Role: partner investigator

APPROVED PROJECT / CODE: 9817513685

Title: EEG Feature Extraction by using Temporal and Spectral Nonlinear Method in Tinnitus Sufferers
Status: completed
Sponsor: School of Rehabilitation Sciences, Iran university of medical sciences
Role: partner investigator

APPROVED PROJECT / CODE: 353

Title: Development and Evaluation of an Educational EEG Patterns Recognition Software using Machine Learning in Idiopathic Tinnitus Sufferers
Status: completed
Sponsor: virtual university of medical sciences
Role: principal investigator

APPROVED PROJECT / CODE:

Title: Comparison of Attitudes of Otolaryngologists for applying the CBT Approach in Tinnitus Management and Referral Rate for Annoying Tinnitus before and after Education - a Virtual Application
Status: ongoing
Sponsor: Hazrat Rasool hospital research center
Roli: partner investigator

APPROVED PROJECT / CODE: 23116

Title: Evaluation of Iranian audiologist's attitudes regarding the application of coping techniques based on evidence-based method of cognitive-behavioral therapy before and after providing the training

Status: running

Sponsor: School of Rehabilitation Sciences, Iran university of medical sciences

Role: partner investigator

APPROVED PROJECT / CODE: 20908

Title: Design and Development of Tinnitus Management Educational Software to Study Alteration of Attitude, Knowledge, and Clinical Behavior in Audiologists via Pre and Post Virtual Training of Coping Skills

Status: running

Sponsor: School of Rehabilitation Sciences, Iran university of medical sciences

Role: partner investigator

APPROVED PROJECT / CODE: 20012

Title: Vestibular system evaluations in patients with laboratory-confirmed positive covid19 after discharge

Status: running

Sponsor: School of Rehabilitation Sciences, Iran university of medical sciences

Role: partner investigator

APPROVED PROJECT / CODE:1401.707 (Welcome Grant)

Title: Investigation the psychometric properties of tinnitus cognition questionnaire

Status: running

Sponsor: School of Rehabilitation Sciences, Iran university of medical sciences

Role: principal investigator

APPROVED PROJECT / CODE: 1402.038

Title: Investigating the effect of speech perception in noise training on quality of life in chronic tinnitus sufferers

Status: running

Sponsor: School of Rehabilitation Sciences, Iran university of medical sciences

Role: principal investigator

PUBLICATIONS (PAPERS & BOOKS)

JOURNAL PAPERS

1. Moossavi A, **Sadeghijam M**, Akbari M. The hypothetical relation between the degree of stress and auditory cortical evoked potentials in tinnitus sufferers. *Med Hypotheses*. 2019, 130
2. **Sadeghijam M**, Moossavi A, Akbari M. Does tinnitus lead to chaos? *Braz J Otorhinolaryngol*. 2021 Mar;87(2):125–6.
3. **Sadeghijam M**, Moossavi A, Akbari M, Yousefi A, Haghani H. Effect of tinnitus distress on auditory steady-state response amplitudes in chronic tinnitus sufferers. *J Clin Neurosci*. 2022; 97:49–55.
4. **Sadeghijam M**, Talebian S, Mohsen S, Akbari M, Pourbakht A. Shannon entropy measures for EEG signals in tinnitus. *Neurosci Lett*. 2021; 762:136153.
5. Mehdi Akbari, **Maryam Sadeghijam**, Mohammad Reza Keyhani. Auditory site of lesion in infants suffering from hyperbilirubinemia by using ABR and TEOAEs. *Bimonthly Adiology-Tehran University of Medical Sciences*. 2006; 14:2, 19-25. (In Farsi)
6. **Sadeghijam M**. Vestibular Rehabilitation: An Efficient Way in Therapy of balance disorders. *Journal of Hearing Sciences and Otolaryngology*. 2016. 2:2; 57-58
7. **Sadeghijam M**, Moossavi A, Akbari M, Haghani H, Yousefi A, Mohsen S, An increase in the auditory steady-state response amplitudes after a period of listening to binaural beat stimuli in tinnitus patients: a pilot study. *The Egyptian Journal of Otolaryngology*. 2023 39(1),53.

CONFERENCE PAPERS

1. Akbari M, **Sadeghijam M**, study of auditory system in neonates with hyperbilirubinemia using ABR and OAE; Asia pacific conference of speech, language and hearing; 2010; Malesia
2. **Sadeghijam M**, Fitting Hearing Aids in Children: Important Keys for Selection, Adjusting and Verification, IFOS Dubai ENT World Congress 2023, 17-21 January, oral presentation
3. **Sadeghijam M**, Moossavi A, Akbari M, Yousefi A, Haghani H, Effect of tinnitus distress on auditory steady-state response amplitudes in chronic tinnitus sufferers, IFOS Dubai ENT World Congress 2023, 17-21 January, ePoster

BOOKS

INVITATIONS

1. TRI Congress; Binaural beat stimuli: a new brain sound neuromodulation approach intinnitus management; Canada; Vancouver; 2020
2. IFOS Congress, Fitting Hearing Aids in Children: Important Keys for Selection, Adjusting and Verification, IFOS Dubai ENT World Congress 2023
3. IFOS Congress, Effect of tinnitus distress on auditory steady-state response amplitudes in chronic tinnitus sufferers, IFOS Dubai ENT World Congress 2023

THESES, SUPERVISED OR CONSULTED

SUPERVISED TESES

1. Investigating the effect of speech perception in noise training on quality of life in chronic tinnitus sufferers, **Ehsan Houshmand**, MsC in audiology, 2023, ongoing
2. Investigating the correlation of tinnitus loudness based on phon and EEG frequency bands involved in tinnitus-related network in unilateral chronic tinnitus patients, **Zohreh Zamenei**, MsC in audiology, 2023, ongoing

CONSULTED THESES

1. The effect of vestibular rehabilitation based on dual task on cognition and vertigo handicap in patient with vestibular Migraine. **Fateme Shahabi**. MsC in audiology; 2022; ongoing
2. The effect of vestibular rehabilitation based on dual task in Covid-19 patients with vertigo compliance using questionnaires and balance tests. **Zahra Sharifi**; MsC in audiology; 2022; ongoing

3. A comparative study of peripheral and central auditory system in patients with laboratory confirmed positive Covid-19 with and without hearing problems after discharge from hospital. **Anis Hosseini**; MsC in audiology; 2021; ongoing
4. Evaluation of Iranian audiologist's attitudes regarding the application of coping techniques based on evidence-based model of cognitive-behavioral therapy before and after providing the training. **Kamal Pahlavan**. MsC in audiology; 2021; ongoing
5. Investigation of EEG frequency bands alternation in patients with vestibular migraine in comparison to normal people, **Maedeh Radaee**, MsC in audiology; 2023; ongoing

PEER REVIEW ACTIVILTIES

Brazilian Journal of Otorhinolaryngology; <https://www.journals.elsevier.com/brazilian-journal-of-otorhinolaryngology> ; (2 articles)

The Egyptian Journal of Otolaryngology; <https://ejo.springeropen.com/> ; (2 articles)

auditory vestibular research; <https://avr.tums.ac.ir/index.php/avr> ; (2 articles)

PRESENTATIONS

1. Important Keys for Selection, Adjusting and Verification, IFOS Dubai ENT World Congress 2023, 17-21 January, oral presentation
2. Effect of tinnitus distress on auditory steady-state response amplitudes in chronic tinnitus sufferers, IFOS Dubai ENT World Congress 2023, 17-21 January, ePoster
3. H.I.N.T.S test battery and its application in diagnosis of stroke in the acute vestibular syndrome, APON international congress, IRAN, 2016
4. The analysis of brain waves in tinnitus patients by linear and nonlinear methods, 18th congress of audiology, 2019
5. Lecture in audiology field, 16th congress of audiology, 2017
6. Lecture in audiology field, 15th congress of audiology, 2016
7. Lecture in audiology field, 13th congress of audiology, 2014

8. Compression in hearing aids, Geoshe academy, 2020
9. The role of hearing technologies in improving speech perception, scientific conference, IRAN university of medical science, 2017\
10. The examination of neonate hearing with hyperbilirubinemia, 5th congress of audiology, 2005
11. Impressions for hearing aids, hearing aid impression contest, IRAN university of medical science, 2019
12. Lecture in hearing aids field, modern hearing aids technology seminar, IRAN university of medical science, 2019
13. Sound therapy in tinnitus management, Tinnitus Diagnosis and Management Seminar, IRAN university of medical science, 2018
14. The electrical stimulation in tinnitus management, Tinnitus Diagnosis and Management Seminar, IRAN university of medical science, 2018
15. Mechanisms for tinnitus, Tinnitus Diagnosis and Management Seminar, IRAN university of medical science, 2018
16. Lecture in hearing aids field, The latest technologies in hearing aids and cochlear implants seminar, 2012
17. Lecture in real ear measurements, real ear measurement conference, IRAN university of medical science, 2017
18. One-day scientific conference of science and new activities in diagnostic and rehabilitation equipment, IRAN university of medical science, 2011
19. Holding a workshop on preliminary hearing aids fitting, IRAN university of medical science, 2019
20. Holding a workshop on sound therapy in tinnitus, IRAN university of medical science, 2019
21. Holding a workshop on tinnitus cognitive-behavioral therapy, IRAN university of medical science, 2018
22. Holding a workshop on sound therapy and different kinds of electrical stimulations in tinnitus management, IRAN university of medical science, 2018
23. Holding a workshop on tinnitus management with counselling, sound therapy and electrical stimulations approaches, 2018
24. 21. Holding a workshop on tinnitus evaluations (psychoacoustic and psychometric), IRAN university of medical science, 2019
25. The application of brain waves in audiology seminar, IRAN university of medical science, 2017
26. Tinnitus evaluation webinar, audiology scientific association, 2022

PROFESSIONAL MEMBERSHIP

1. Iranian Association of Audiology; 2005-Present

2. Iranian Audiologists Society; 2005-Present