

Presbycusis

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Presbycusis, or age-related hearing loss, is the cumulative effect of aging on hearing. Also known as presbyacusic, it is defined as a progressive bilateral symmetrical age-related sensorineural hearing loss. The hearing loss is confined to higher frequencies. ([From the Wikipedia article Presbycusis](#).)



Recent Publications on Presbycusis:

- [Locus for familial migrainous vertigo disease maps to chromosome 5q35.](#)
*OBJECTIVES: Migrainous vertigo (episodic vertigo associated with migraine)...*18th November, 2009
Department of Genetics, Massachusetts Eye and Ear Infirmary, Harvard- *Ann Otol Rhinol Laryngol.* 2009 Sep;118(9):670-6.
- [The Fischer 344 rat as a model of presbycusis.](#)
*Due to the rising number of the aged human population all over the world,...*12th November, 2009
Institute of Experimental Medicine, Academy of Sciences of the Czech- *Hear Res.* 2009 Nov 7. ([DOI Direct Link](#))
- [From the Cover: Age-related hearing loss in C57BL/6J mice is mediated by Bak-dependent mitochondrial apoptosis.](#)
*Age-related hearing loss (AHL), known as presbycusis, is a universal...*11th November, 2009
Departments of Genetics and Medical Genetics and Medicine and Veterans- *Proc Natl Acad Sci U S A.* 2009 Nov 17;106(46):19432-19437. Epub 2009 Nov ([DOI Direct Link](#))
- [ENU induced single mutation locus on chr 16 leads to high-frequency hearing loss in mice.](#)
*The hallmark of age-related (presbycusis) and noise-induced hearing loss...*10th November, 2009
Departments of Orthopaedic Surgery-Campbell Clinic and Pathology,- *Genes Genet Syst.* 2009 Jun;84(3):219-24.
- [F1 \(CBAXC57\) mice show superior hearing in old age relative to their parental strains: Hybrid vigor or a new animal model for "Golden Ears"?](#)
*Age-related hearing loss - presbycusis - is the most common communication...*3rd November, 2009
Department of Otolaryngology, University of Rochester School of Medicine- *Neurobiol Aging.* 2009 Oct 28. ([DOI Direct Link](#))
- [Investigation of auditory brainstem function in elderly diabetic patients with presbycusis.](#)
*We performed brainstem auditory evoked potential (BAEP) examinations in...*22nd October, 2009
Department of Otorhinolaryngology, Odjel Klinicka Bolnica Dubrava, Zagreb,- *Int Tinnitus J.* 2009;15(1):79-82.
- [Quality of life improvement in hearing-impaired elderly people after wearing a hearing aid.](#)
*BACKGROUND: Communication is an important aspect of everyday life...*15th October, 2009
Department of Otolaryngology, University of Social Welfare and- *Arch Iran Med.* 2009 Jul;12(4):365-70.
- [Aging, hearing acuity, and the attentional costs of effortful listening.](#)

*A dual-task interference paradigm was used to investigate the effect of...*14th October, 2009
Volen National Center for Complex Systems (MS 013), Brandeis University,- Psychol Aging. 2009
Sep;24(3):761-6. ([DOI Direct Link](#))

- [Excess omega-3 fatty acid consumption by mothers during pregnancy and lactation caused shorter life span and abnormal ABRs in old adult offspring.](#)
*Consuming omega-3 fatty acids (omega-3 FA) during pregnancy and lactation...*13th October, 2009
Department of Obstetrics and Gynecology, Wayne State University School of- Neurotoxicol Teratol.
2009 Oct 7. ([DOI Direct Link](#))
- [Risk factors for presbycusis in a socio-economic middle-class sample.](#)
*Presbycusis, or the aging ear, involves mainly the inner ear and the...*29th September, 2009
Medical School, FCM of the Sta Casa de S Paulo, Brazil.- Braz J Otorhinolaryngol. 2009
Jul-Aug;75(4):530-6.
- [Detection of the break in interaural correlation is affected by interaural delay, aging, and center frequency.](#)
*This study investigated whether interaural integration is affected by...*29th September, 2009
Department of Psychology, Speech and Hearing Research Center, Peking- J Acoust Soc Am. 2009
Jul;126(1):300-9. ([DOI Direct Link](#))
- [Processing of broadband stimuli across A1 layers in young and aged rats.](#)
*Presbycusis can be considered a slow age-related peripheral and central...*24th September, 2009
Department of Surgery/Division of Otolaryngology, Southern Illinois- Hear Res. 2009 Sep 20. ([DOI Direct Link](#))
- [Noise-induced hearing loss evolution: influence of age and exposure to noise.](#)
*The aims of this study were to evaluate the influence of age and exposure...*18th September, 2009
Department of Clinical Physiopathology, II Chair of ENT, University of- Eur Arch Otorhinolaryngol. 2009
Sep 17. ([DOI Direct Link](#))
- [Tip links in hair cells: molecular composition and role in hearing loss.](#)
*PURPOSE OF REVIEW: Tip links are thought to be an essential element of the...*28th July, 2009
Department of Otolaryngology-Head and Neck Surgery, Kyoto Prefectural- Curr Opin Otolaryngol Head
Neck Surg. 2009 Oct;17(5):388-93. ([DOI Direct Link](#))
- [Characterization of tinnitus in the elderly and its possible related disorders.](#)
*Population aging it is a current reality in Brazil and tinnitus appears as...*4th July, 2009
Departamento de Saude Comunitaria, Faculdade de Medicina, Universidade- Braz J Otorhinolaryngol.
2009 Mar-Apr;75(2):249-55.

Presbycusis Patents:



- 4941179- [Method for the regulation of a hearing aid, a hearing aid and the use thereof](#)
- 6306168- [Means for implanting a device in the canalis cochlearis](#)
- 6331537- [Carboxylic acids and carboxylic acid isosteres of N-heterocyclic compounds](#)
- 6374143- [Modiolar hugging electrode array](#)
- 6408855- [Means for implanting a device in the canalis cochlearis](#)
- 6423321- [Cytokine antagonists for the treatment of sensorineural hearing loss](#)
- 6429191- [Treatment of hearing impairments](#)
- 6448283- [Methods for preventing/treating damage to sensory hair cells and cochlear neurons](#)

- 6524619- [Dosage forms useful for modifying conditions and functions associated with hearing loss and/or tinnitus](#)
- 6559190- [Use of xenon for treating neurointoxications](#)
- 6593290- [Treatment of inner ear hair cells](#)
- 6274554- [Method for preventing and treating hearing loss using a neurturin protein product](#)
- 6225282- [Treatment of hearing impairments](#)
- 6156728- [Treatment of inner ear hair cells](#)
- 4982434- [Supersonic bone conduction hearing aid and method](#)
- 5047994- [Supersonic bone conduction hearing aid and method](#)
- 5170430- [Voice-switched handset receive amplifier](#)
- 5218340- [Audible turn signal canister unit](#)
- 5277694- [Electromechanical transducer for implantable hearing aids](#)
- 5612869- [Electronic health care compliance assistance](#)
- 5837681- [Method for treating sensorineural hearing loss using glial cell line-derived neurotrophic factor \(GDNF\) protein product](#)
- 5929041- [Method for preventing and treating sensorineural hearing loss and vestibular disorders using glial cell line-derived neurotrophic factor\(GDNF\) protein product](#)
- 6043221- [Method for preventing and treating hearing loss using a neurturin protein product](#)
- 6094489- [Digital hearing aid and its hearing sense compensation processing method](#)
- 6631295- [System and method for diagnosing and/or reducing tinnitus](#)
- 6640121- [Otic microprobe for neuro-cochlear monitoring](#)
- 7153883- [Carboxylic acids and carboxylic acid isosteres of N-heterocyclic compounds](#)
- 7232667- [Keratinocyte growth factor-2 polynucleotides](#)
- 7253169- [Aza compounds, pharmaceutical compositions and methods of use](#)
- 7319773- [Subminiature bone vibrating speaker using the diaphragm and mobile phone thereby](#)
- 7421392- [Diagnosis device and diagnosis method](#)
- 7466833- [Bone vibrating speaker using the diaphragm and mobile phone thereby](#)
- 7488284- [Implantable prosthesis with direct mechanical stimulation of the inner ear](#)
- 7488749- [Therapy of diseases of the eye, the inner ear and the central nervous system](#)
- 7494979- [Method for treating congestive heart failure and other disorders](#)
- 7585839- [Medical uses of intercellular communication facilitating compounds](#)
- 7153822- [Compositions and methods for modulating connexin hemichannels](#)
- 7132406- [Stimulation of cellular regeneration and differentiation in the inner ear](#)
- 7126040- [Mouse model for aging](#)
- 6649621- [Prevention or reversal of sensorineural hearing loss \(SNHL\) through biologic mechanisms](#)
- 6653279- [Treatment of inner ear hair cells](#)
- 6693077- [Keratinocyte growth factor-2](#)
- 6694035- [System for conveying musical beat information to the hearing impaired](#)
- 6694190- [Apparatus and method for treating strial hearing loss](#)
- 6927204- [Treatment of inner ear hair cells](#)
- 6933120- [Method of determining biological/molecular age](#)
- 6974823- [Hydantoin derivative compounds, pharmaceutical compositions, and methods of using same](#)
- 7044945- [Prevention of regression in thermal ciliary muscle tendinoplasty](#)
- 7110951- [System and method for enhancing speech intelligibility for the hearing impaired](#)
- 7589110- [Delivery of modulators of glutamate-mediated neurotransmission to the inner ear](#)

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