

Cochlear Implants

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Recent Publications on Cochlear Implants:



- [Cortical Representation of Interaural Time Difference in Congenital Deafness.](#)
*Binaural cues are required for localization of sound sources. In the...*13th November, 2009
Laboratory of Auditory Neuroscience, Department of Neurophysiology and- Cereb Cortex. 2009 Nov 11. ([DOI Direct Link](#))
- [\[The research of cochlear implantation with other assident particular diseases\]](#)
*OBJECTIVE: To Respectively analyze extremely SNHL patients who received...*10th November, 2009
Department of Otolaryngology, Peking Union Medical Hospital, Chinese- Lin Chung Er Bi Yan Hou Tou Jing Wai Ke Za Zhi. 2009 Jul;23(13):584-7.
- [\[Management of hearing impairment in adults\]](#)
*Hearing impairment, mainly the deafness with possible distortions,...*10th November, 2009
Service d'oto-rhino-laryngologie, hopital Avicenne, AP-HP, 93009 Bobigny.- Rev Prat. 2009 Oct 20;59(8):1097-101.
- [\[Imaging of cochlear implant electrode array with flat-detector CT and conventional multislice CT: comparison of image quality and radiation dose.\]](#)
*Abstract Objective: FD-CT offers higher spatial resolution than MSCT. Our...*4th November, 2009
Department of Neuroradiology.- Acta Otolaryngol. 2009 Nov 2.
- [\[Transcribing the speech of children with cochlear implants: clinical application of narrow phonetic transcriptions.\]](#)
*PURPOSE: The phonological systems of children with cochlear implants may...*3rd November, 2009
2397 Hopkins Farm Court, Browns Summit, NC 27214. E-mail:- Am J Speech Lang Pathol. 2009 Nov;18(4):388-401. ([DOI Direct Link](#))
- [\[A Method for Removing Cochlear Implant Artifact.\]](#)
*When cortical auditory evoked potentials (CAEPs) are recorded in...*3rd November, 2009
Sunnybrook Health Sciences Centre, Toronto, Ontario, Canada University of- Hear Res. 2009 Oct 27. ([DOI Direct Link](#))
- [\[Parents' views on the quality of life of their children 2-3 years after cochlear implantation.\]](#)
*OBJECTIVE: Cochlear implants for children are known to have impact on the...*31st October, 2009
Institute of Clinical Medicine/Department of Otorhinolaryngology,- Int J Pediatr Otorhinolaryngol. 2009 Oct 27. ([DOI Direct Link](#))
- [\[Special issue on medical bionics.\]](#)
*This special section of the Journal of Neural Engineering contains eight...*29th October, 2009
Guest Editor Director, Bionic Ear Institute and Professor of Medical- J Neural Eng. 2009 Oct 23;6(6):60201. ([DOI Direct Link](#))

- [\[Cochlear implant in patients with congenital malformation of the inner ear.\]](#)
*OBJECTIVE: To summarize the clinical experience with multi-channel...*29th October, 2009
 Department of Otolaryngology, Zhujiang Hospital, Southern Medical- Nan Fang Yi Ke Da Xue Xue Bao. 2009 Oct;29(10):2118-21.
- [Electrical impedance measurements of cochlear structures using the four-electrode reflection-coefficient technique.](#)
*In individuals with severe-to-profound hearing loss, cochlear implants...*28th October, 2009
 Department of Otolaryngology - Head and Neck Surgery, Northwestern- Hear Res. 2009 Oct 24. ([DOI Direct Link](#))
- [Age-related loss of spiral ganglion neurons.](#)
*Spiral ganglion neurons (SGNs) are the relay station for auditory...*27th October, 2009
 Fay and Carl Simmons Center for the Biology of Hearing and Deafness,- Hear Res. 2009 Oct 23. ([DOI Direct Link](#))
- [Depressive emotioning in adolescents with cochlear implant and normal hearing.](#)
*OBJECTIVE: The purpose of this study is to compare the levels of...*27th October, 2009
 Department of Otorhinolaryngology, Head and Neck Surgery, Section of- Int J Pediatr Otorhinolaryngol. 2009 Oct 21. ([DOI Direct Link](#))
- [Prototype to product-developing a commercially viable neural prosthesis.](#)
*The Cochlear implant or 'Bionic ear' is a device that enables people who...*24th October, 2009
 Cochlear Limited, Level 1, 174 Victoria Parade, East Melbourne, VIC. 3002,- J Neural Eng. 2009 Oct 23;6(6):65006. ([DOI Direct Link](#))
- [Neural prostheses and brain plasticity.](#)
*The success of modern neural prostheses is dependent on a complex...*24th October, 2009
 Bionic Ear Institute, 384-388 Albert Street, East Melbourne, VIC 3002,- J Neural Eng. 2009 Oct 23;6(6):65008. ([DOI Direct Link](#))
- [Better fitting of cochlear implants: modeling loudness for acoustic and electric stimuli.](#)
*It is becoming more common for cochlear implant (CI) recipients to have...*24th October, 2009
 Department of Otolaryngology, The University of Melbourne, Victoria 3010,- J Neural Eng. 2009 Oct 23;6(6):65007. ([DOI Direct Link](#))

Cochlear Implants Clinical Trials:



- [Balance in Children With Cochlear Implants](#)

Cochlear Implants Patents:



- 7515967- [Ambulatory energy transfer system for an implantable medical device and method therefore](#)

- 7554493- [Folded monopole antenna for implanted medical device](#)
- 7556298- [Apparatus and method for positioning current collectors in an electrochemical cell](#)
- 7556945- [Method for converting sucrose to .beta.-D-glucose](#)
- 7561709- [Modulation depth enhancement for tone perception](#)
- 7561920- [Electric and acoustic stimulation fitting systems and methods](#)
- 7563541- [Lithium-ion battery](#)
- 7564674- [Feedthrough filter capacitor assemblies having low cost terminal pins](#)
- 7564980- [System and method for immersive simulation of hearing loss and auditory prostheses](#)
- 7566296- [Reducing effect of magnetic and electromagnetic fields on an implant's magnet and/or electronics](#)
- 7569110- [Stent coating device](#)
- 7551963- [Apparatus to improve the high voltage flashover characteristics of EMI feedthrough filters used in active implantable medical devices](#)
- 7548788- [Operating room lead connector](#)
- 7539004- [Filtered feedthrough assembly and method of manufacture](#)
- 7519428- [Dual-range compliance voltage supply for a multi-channel stimulator](#)
- 7519429- [Electronic stimulator implant](#)
- 7519432- [Implantable medical lead with helical reinforcement](#)
- 7522960- [Variable sensitivity control for a cochlear implant](#)
- 7522961- [Inner hair cell stimulation model for the use by an intra-cochlear implant](#)
- 7524278- [Hearing aid system and transducer with hermetically sealed housing](#)
- 7525349- [Circuit for classifying signals](#)
- 7529586- [Concavity of an implantable medical device](#)
- 7534127- [Implantable connector](#)
- 7535693- [EMI filters designed for direct body fluid exposure](#)
- 7569452- [Screen-printed filter capacitors for filtered feedthroughs](#)
- 7571005- [Adaptive place-pitch ranking procedure for optimizing performance of a multi-channel neural stimulator](#)
- 7599500- [Processing signals representative of sound based on the identity of an input element](#)
- 7599508- [Listening device cap](#)
- 7604629- [Multi-parameter infection monitoring](#)
- 7609061- [Demagnetized implant for magnetic resonance imaging](#)
- 7610096- [Methods for treating central nervous system damage](#)
- 7610099- [Method of processing telemetry signals in an implantable medical device including a telemetry processor](#)
- 7610100- [Methods and systems for treating osteoarthritis](#)
- 7611483- [Indicator metrics for infection monitoring](#)
- 7612655- [Alarm system for hearing impaired individuals having hearing assistive implanted devices](#)
- 7616999- [System for generating a cochlear implant program using multi-electrode stimulation to elicit the electrically-evoked compound action potential](#)
- 7596408- [Implantable medical device with anti-infection agent](#)
- 7596399- [Implantation of implantable medical device](#)
- 7593776- [Flexible communication and control protocol for a wireless sensor and microstimulator network](#)
- 7571006- [Wearable alarm system for a prosthetic hearing implant](#)
- 7571012- [Apparatus for delivery of pharmaceuticals to the cochlea](#)
- 7574264- [Multirate cochlear stimulation strategy and apparatus](#)
- 7574265- [Cochlear implant and simplified method for fitting same](#)
- 7577266- [Systems and methods for interference suppression with directional sensing patterns](#)
- 7580754- [Implantable acoustic sensor](#)
- 7582387- [Lithium-ion battery](#)
- 7584010- [Telephone handset](#)
- 7587246- [Implantable device with flexible interconnect to coil](#)

- 7592776- [Energy storage device configured to discharge energy in response to unsafe conditions](#)
- 7617000- [Methods for programming a neural prosthesis](#)

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