

## Ear Canal

[View the current Ear Canal InDepth page on BioPortfolio.com](http://www.bioportfolio.com/indepth/Ear_Canal.html)

([http://www.bioportfolio.com/indepth/Ear\\_Canal.html](http://www.bioportfolio.com/indepth/Ear_Canal.html))



### Recent Publications on Ear Canal:

- [In vivo measurement of O\(2\) and CO\(2\) gas exchange across the human tympanic membrane.](#)  
*Conclusion. The hypothesis that the human tympanic membrane (TM) is...*30th August, 2008  
Department of Otolaryngology, Children's Hospital of Pittsburgh and- *Acta Otolaryngol.* 2008 Aug 26;1-10. ([DOI Direct Link](#))
- [Klippel-Feil syndrome and associated ear anomalies.](#)  
*BACKGROUND AND PURPOSE: Klippel-Feil syndrome (KFS) is a congenital...*30th August, 2008  
Medical Faculty Otolaryngology, Yuzuncu Yil University, Van, Turkey.- *Am J Otolaryngol.* 2008 Sep-Oct;29(5):319-25. Epub 2008 Jun 13. ([DOI Direct Link](#))
- [The inner ear in patients with nasal allergy.](#)  
*BACKGROUND: The endolymphatic sac has been proposed as a target organ...*23rd August, 2008  
Department of Otorhinolaryngology, College of Medicine, University of- *J Natl Med Assoc.* 2008 Aug;100(8):903-5.
- [Change of extracellular ascorbic acid in the brain cortex following ice water vestibular stimulation: an on-line electrochemical detection coupled with in vivo microdialysis sampling.](#)  
*BACKGROUND: Ascorbic acid (AA) represents one of the most important enzyme...*19th August, 2008  
Department of Otorhinolaryngology, Peking University Third Hospital,- *Chin Med J (Engl).* 2008 Jun 20;121(12):1120-5.
- [ABR recordings in newborns using an ear canal electrode.](#)  
*The objective of this study was to improve the sensitivity of ABR...*14th August, 2008  
Audiology Department, Children's Hospital and Regional Medical Center,- *Int J Audiol.* 2008 Aug;47(8):499-504. ([DOI Direct Link](#))
- [An Extension of the Jerger Classification of Tympanograms for Ventilation Tube Patency-Specification and Evaluation of Equivalent Ear-Canal Volume Criteria.](#)  
*OBJECTIVE:: To determine ventilation tube (VT) patency, or presence of an...*8th August, 2008  
- *Ear Hear.* 2008 Aug 5. ([DOI Direct Link](#))
- [Statistics of instabilities in a state space model of the human cochlea.](#)  
*A state space model of the human cochlea is used to test Zweig and Shera's...*7th August, 2008  
Institute of Sound and Vibration Research, University of Southampton,- *J Acoust Soc Am.* 2008 Aug;124(2):1068-79. ([DOI Direct Link](#))
- [Verifying the attenuation of earplugs in situ: method validation using artificial head and numerical simulations.](#)  
*The use of in situ measurements of hearing protectors' (HPD's) attenuation...*7th August, 2008  
Department of Oto-Rhino-Laryngology, Ghent University, De Pintelaan 185,- *J Acoust Soc Am.* 2008

- Aug;124(2):973-81. ([DOI Direct Link](#))
- [Otitis externa: the analysis of relationship between particular signs/symptoms and species and genera of identified microorganisms.](#)  
*OBJECTIVE: To investigate a relationship between the etiological factor of...*6th August, 2008  
 Department of Biology and Medical Parasitology, Medical University of- Wiad Parazytol. 2008;54(1):37-41.
  - [Adenoid Cystic Carcinoma of the External Auditory Canal.](#)  
*OBJECTIVE/HYPOTHESIS: To describe the clinical history and outcome of...*5th August, 2008  
 From the Departments of Head and Neck Surgery (f.d., p.w.g., t.h.,- Laryngoscope. 2008 Jul 31. ([DOI Direct Link](#))
  - [Clinical effectiveness of ototopical application of mupirocin ointment in methicillin-resistant Staphylococcus aureus otorrhea.](#)  
*OBJECTIVE: Methicillin-resistant Staphylococcus aureus (MRSA) otorrhea has...*31st July, 2008  
 Department of Otorhinolaryngology, Juntendo University School of Medicine,- Otol Neurotol. 2008 Aug;29(5):676-8. ([DOI Direct Link](#))
  - [Obliteration of radical cavities with autogenous cortical bone: long-term results.](#)  
*ABSTRACT: BACKGROUND: To evaluate the long-term surgical outcome(s) in...*31st July, 2008  
 - BMC Ear Nose Throat Disord. 2008 Jul 29;8(1):4. ([DOI Direct Link](#))
  - [Gerbil middle-ear sound transmission from 100 Hz to 60 kHz.](#)  
*Middle-ear sound transmission was evaluated as the middle-ear transfer...*24th July, 2008  
 Eaton-Peabody Laboratory, Massachusetts Eye and Ear Infirmary, 243 Charles- J Acoust Soc Am. 2008 Jul;124(1):363-80. ([DOI Direct Link](#))
  - [Finite element modeling of acousto-mechanical coupling in the cat middle ear.](#)  
*The function of the middle ear is to transfer acoustic energy from the ear...*24th July, 2008  
 Department of Mechanical Engineering, Stanford University Stanford,- J Acoust Soc Am. 2008 Jul;124(1):348-62. ([DOI Direct Link](#))
  - [A nonlinear finite-element model of the newborn middle ear.](#)  
*A three-dimensional static nonlinear finite-element model of a 22-day-old...*24th July, 2008  
 Department of BioMedical Engineering, McGill University, Montreal H3A2B4,- J Acoust Soc Am. 2008 Jul;124(1):337-47. ([DOI Direct Link](#))

## BioNews Results for Ear Canal

- [Clinical Guidelines Released for Identifying, Treating Cerumen Impaction](#)  
*Doctors Guide: Aug 29 2008 11:20PM Matching: ear canal*
- [Now Hear This: Be Wary of Routine Earwax Removal](#)  
*MedPage Today: Aug 30 2008 4:52AM Matching: ear canal*
- [Hearing specialist leads effort to craft first professional guidelines for earwax](#)  
*University of Texas: Aug 29 2008 11:30PM Matching: ear canal*
- [Hearing Specialist Leads Effort to Craft First Professional Guidelines for Earwax](#)  
*Newswise: Aug 29 2008 10:39PM Matching: ear canal*
- [Earwax: Too Much of a Good Thing?](#)  
*WebMD: Aug 29 2008 7:18PM Matching: ear canal*
- [Diagnosis of acute otitis media challenging in very young infants](#)  
*Clinical Lab Products: Aug 19 2008 5:18PM Matching: ear canal*
- [Ondine Biopharma Announces Second Quarter 2008 Financial Results](#)  
*KRON4: Aug 14 2008 3:21PM Matching: ear canal*
- [Head Maneuvers Can Relieve Vertigo](#)  
*Newswise: Aug 5 2008 2:58AM Matching: ear canal*
- [Zounds Hearing Develops and Releases Power BTE Hearing Aid](#)

- KOTA Territory News: Jul 28 2008 9:18PM Matching: ear canal*
- [Zounds Hearing Develops and Releases Power BTE Hearing Aid](#)  
*KRON4: Jul 28 2008 9:18PM Matching: ear canal*
- [Zounds Hearing Develops and Releases Power BTE Hearing Aid](#)  
*NewsBlaze: Jul 28 2008 7:37PM Matching: ear canal*
- [Drug delivery to the inner ear and methods of using same](#)  
*PharmCast: Jul 1 2008 3:51AM Matching: ear canal*

## Ear Canal Clinical Trials:



- [Evaluation of Open-Canal Behind-the-Ear Hearing Aids and Traditional In-the-Ear Hearing Aids.](#)  
*Hearing Loss*

## Ear Canal Patents:



- 7349550- [Earbud adapter](#)
- 7366656- [Method apparatus and system for processing acoustic signals](#)
- 7368122- [Skin cream](#)
- 7369638- [System and method for detecting a protrusion in a medical image](#)
- 7369670- [Earplug and method for manufacturing the same](#)
- 7369671- [Switching structures for hearing aid](#)
- 7370655- [Method of forming an earplug by laser ablation and an earplug formed thereby](#)
- 7379555- [Precision micro-hole for extended life batteries](#)
- 7381427- [Seborrheic keratosis treatment](#)
- 7381715- [Antimicrobial solid surface materials containing chitosan-metal complexes](#)
- 7382891- [Modular personal audio set and system](#)
- 7366317- [Apparatus for creating motion amplification in a transducer with improved linkage structure](#)
- 7366307- [Programmable interface for fitting hearing devices](#)
- 7365664- [ADC with dynamic range extension](#)
- 7349563- [System and method for polyp visualization](#)
- 7351246- [Minimally invasive, sustained, intra-tympanic drug delivery system](#)
- 7352871- [Apparatus for communication and reconnaissance coupled with protection of the auditory system](#)
- 7354194- [Tympanic thermometer probe cover with film support mechanism](#)
- 7354395- [Methods and apparatus for acoustical stimulation of the brain](#)
- 7354399- [Otosopic tip element and related method of use](#)
- 7356153- [Hearing assistive apparatus having sound replay capability](#)
- 7356365- [Method and apparatus for tissue oximetry](#)

- 7357217- [Faceplate cover](#)
- 7362875- [Balloon-expandable hearing device fitting system and self-expanding hearing device](#)
- 7387187- [Custom-molded ear-plug, and process for producing a custom-molded ear-plug device](#)
- 7387614- [Drug delivery to the inner ear and methods of using same](#)
- 7403630- [Miniature hearing aid insert module](#)
- 7406179- [System and method for detecting the insertion or removal of a hearing instrument from the ear canal](#)
- 7407035- [Split shell system and method for hearing aids](#)
- 7407487- [Temperature sensing system with retrograde sensor](#)
- 7409068- [Low-noise directional microphone system](#)
- 7411559- [Headset loop antenna](#)
- 7412288- [Text to speech conversion in hearing systems](#)
- 7412396- [Virtual clinic for medical practice](#)
- 7412763- [Method of making an acoustic assembly for a transducer](#)
- 7415125- [Apparatus and method for creating acoustic energy in a receiver assembly with improved diaphragms-linkage arrangement](#)
- 7403629- [Disposable modular hearing aid](#)
- 7401680- [Hearing protection earplug and use of the same](#)
- 7401679- [Adaptor for mounting a sound tube in an earpiece](#)
- 7388961- [Removal tool and method for extended wear canal devices](#)
- 7388962- [Directional hearing enhancement systems](#)
- 7391876- [Method and system for simulating a 3D sound environment](#)
- 7391893- [System and method for the detection of shapes in images](#)
- 7394909- [Hearing device with embedded channel](#)
- 7394910- [Ambidextrous earpiece](#)
- 7394911- [Control panel with activation zone](#)
- 7397926- [System and method for optimizing the strength and orientation of the inductive field of a hearing aid compatible device](#)
- 7398259- [Training of a physical neural network](#)
- 7399275- [Otoscope](#)
- 7418105- [Sheath for in-ear device](#)

\*\*\*

Resources from the [NCBI](#) used in this document, [NCBI's standard disclaimer applies](#).

Nothing in this document should be used in place of personal medical advice from your own qualified medical practitioner. See BioPortfolio.com [User Agreement](#)

Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

All rights reserved. All other trademarks recognized.

BioPortfolio Limited is registered in England & Wales at Wessex Barn, Dorchester Road, Frampton, Dorset, DT2 9NB, UK. No.3312883 VAT No. GB 744 6483 10

Copyright 1997-2008 - BioPortfolio Limited.

