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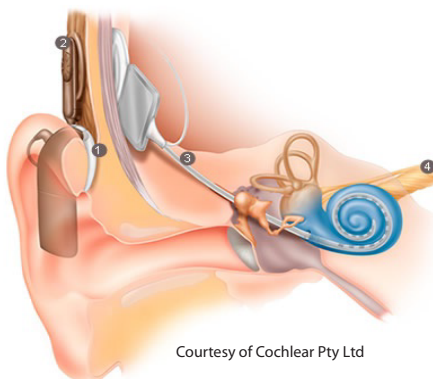
What is a cochlear implant and when to consider it?

Cochlear implants are surgically implanted electronic devices that work by converting sounds into electrical pulses that stimulate the auditory nerve directly. Your auditory nerve receives the signal and sends it to your brain which recognizes the signal as sound. Cochlear implant cannot restore normal hearing but with training from an audiologist, it might help you to hear again, giving you a better quality of life.

Cochlear implants are not for children only! You may be a candidate for cochlear implant if you have a degree of bilateral hearing loss that prevents you from receiving little or no benefit from hearing aids.

How a cochlear implant works:

A sound processor (1) captures the sound and turns it into digital code, that is then sent to the implant (3) through the coil (2). The implant then sends electrical impulses to electrodes in the inner ear.



Courtesy of Cochlear Pty Ltd



Courtesy of Med-El

Know more about Baha - Bone conduction implant

Baha is a type of implant that aims to assist people with hearing loss who cannot wear conventional hearing aids. This includes those who have for instance malformation of the ear canal and/or middle ear, chronic middle ear conditions that preclude usage of conventional hearing aid. In addition, if you have no hearing in one ear you may like to try Baha. **YES, YOU CAN TRY BAHa BEFORE DECIDING TO PROCEED WITH SURGERY!**



Courtesy of Cochlear Pty Ltd

How Baha works:

Baha (1) is implanted in the bone (2) behind your ear and uses the vibration of the bone (3) to send the sound to your inner ear (4). Baha bypasses the outer and middle ear, therefore damage in these parts of your ear will not affect the benefit of Baha.



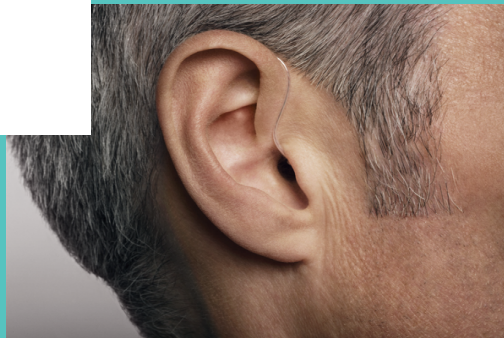
Courtesy of Cochlear Pty Ltd

3. Other options when hearing aids are not enough:



Courtesy of Oticon

Connectline is a connective system that works with some of the Oticon hearing aids. Through wireless technology, connectline connects the hearing aids to TV, phone, mobile, computer, etc. providing a clearer sound and easier hearing.



Our aim is to offer our patients the full range of hearing solutions including cochlear implants, bone conduction implant, communication strategies, assistive listening devices, hearing aids, and other implantable devices.

For the last 25 years, Medical Audiology Services has worked closely with Ear Nose and Throat specialist to ensure our patients receive the best hearing health care. We use the latest in technology to provide a comprehensive range of hearing and balance diagnoses, hearing re-habilitation and tinnitus treatment.

Our audiologists maintain their professional development to the highest standard. We have a research commitment that complements our clinical work. As a consequence our patients receive the most current management for hearing impairment and related issues.

We also recognize that time matters, consequently we strive to keep our waiting times for appointments to a minimum.

Our experience has shown that the majority of patients achieve a significant enhancement in speech discrimination after implantation and report improvement in quality of life.

For further information visit our website or contact our team at: reception@medicalaudiology.com.au

Tinnitus (ringing... buzzing... noise in the ears)

Maybe you have never heard of the word tinnitus but you can hear a constant buzzing or ringing or other kinds of noise in your ears.

In spite of innumerable researches on tinnitus, the cause of this common condition is still not completely understood.

Tinnitus affects approximately 10% of the world population and a large

number of people suffering from tinnitus also have hearing loss.

Noise generators, hearing aids, maskers, music, counseling have been largely used for treatment of subjective tinnitus.

Widex has recently brought into the market a hearing aid that, in conjunction with amplification, offers an alternative tinnitus management through a specific masking program. With this hearing aid the patient can select with the audiologist a program that is likely to provide some relief from tinnitus.

Services provided by Medical Audiology: Adults and paediatric hearing assessments; cochlear implant and Baha; Balance assessment; hearing aids, tinnitus management; protective earplugs; pre/post employment; assistive listening devices.

MAS aims to distribute an informative newsletter tri-annually. If you would like to receive information on a specific topic, email or call us.

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