



We Improve Communication for Life

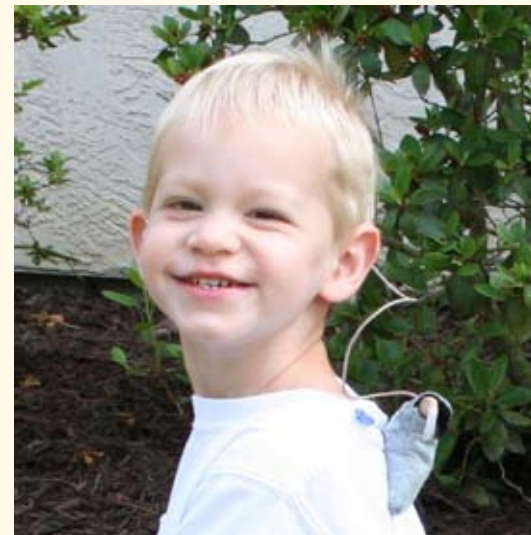
Audiology & Hearing Aid Services Cochlear Implant Therapy

*Cochlear Implant Therapy is an extension of
Audiology and Speech services from
Columbus Speech & Hearing Center.*

Columbus Speech & Hearing Center's **Cochlear Implant Therapy Program** was made possible thanks to the generosity of community, corporate and individual supporters.

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510 E. North Broadway
Columbus, OH 43214

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Cochlear Implants - A guide to comprehensive services and communication solutions to meet your needs.



“For the first time in years I can sit in a circle with my family and hear what they are saying. It is a 90% turnaround from the way it used to be.”

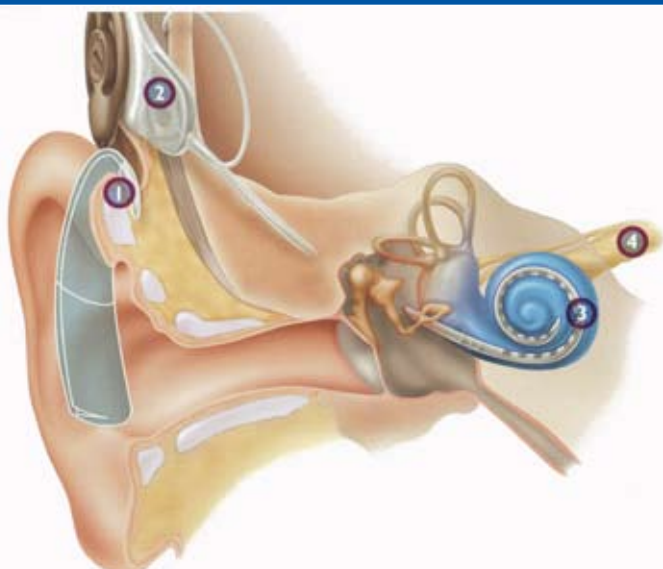
A **Cochlear Implant** is a small, complex electronic device that can help provide a sense of sound to children and adults who cannot hear and/or understand speech with hearing aids. While hearing aids make sound louder and clearer, **Cochlear Implants** provide useful sound by directly stimulating undamaged nerve fibers in the inner ear.

Children and adults can receive **Cochlear Implants**. Children born with profound hearing loss or who are born deaf and adults who have lost most of their hearing later in life may benefit from **Cochlear Implants**. Success rates vary based on each individual's language skills before implantation and age at time of surgery.

Talk to your Audiologist and Physician to determine if you or your child is a candidate for a **Cochlear Implant**.

Audiologists at Columbus Speech & Hearing Center can discuss your communication options and help guide you through the process, from identifying hearing loss to providing postoperative speech and audiology therapy.

Cochlear Implant



- 1) An external sound processor captures sound and converts it into digital signals.
- 2) The processor sends digital signals to the internal implant.
- 3) Next, the internal implant converts signals into electrical energy, sending it to an electrode array inside the cochlea.
- 4) Finally, electrodes stimulate the hearing nerve, bypassing damaged hair cells, and the brain perceives signals - **you hear sound**.

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