



ASK THE EXPERT!

What is a cochlear implant?

A cochlear implant is a device that turns sound into electrical energy. Sound is picked up by a microphone and is sent to a speech processor, usually worn on the ear. The sound is analyzed and converted into electrical signals, which are sent to a surgically implanted receiver behind the ear. This receiver sends the signal through a wire into the inner ear. From there the electrical impulses are sent to the brain. While a cochlear implant does not restore normal hearing, use of the device often results in improved communication ability and understanding of speech with less reliance on the use of visual cues.

Children and adults with severe to profound permanent hearing loss may not receive benefit from hearing aids, depending on the age at which the hearing loss occurred, when it was diagnosed, and what caused the hearing loss. Once these individuals have tried hearing aids with limited or no success, the option of a cochlear implant may be considered.

RHSC is pleased to offer cochlear implant programming, available to individuals in our community who wear a cochlear implant.

For further information about RHSC's cochlear implant programming service call:
Dr. Ramona Pompea Ph.D. at 271-0680, ext. 1868
Director of Audiology Operations

Locations:

Rochester/Brighton Center- 1000 Elmwood Ave, Rochester, New York 14620

Greece Center- 3199 Ridge Road W. Rochester, New York 14626

Webster Center- 1170 Ridge Road, Webster, New York 14580