



Interested in learning more about the details of cochlear implantation?

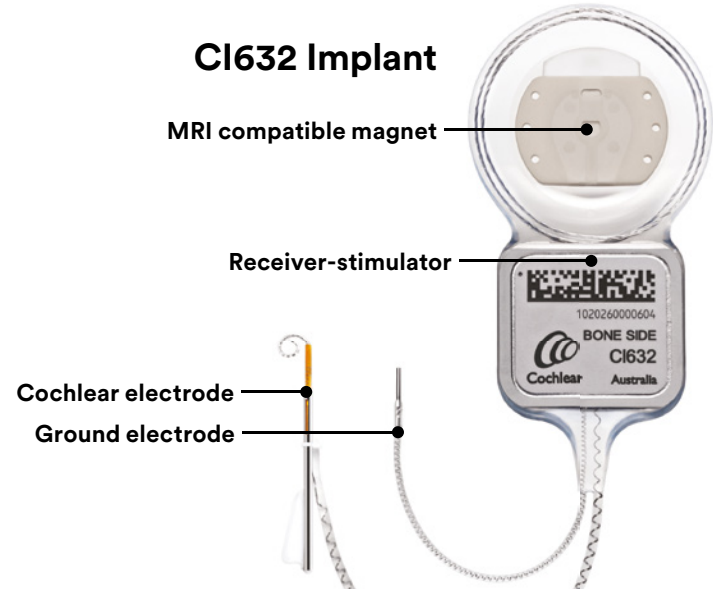
CochlearElectrodes.com

- 1 Cochlea shape:** the cochlea is a delicate, curved, snail-shell shaped organ, and only Cochlear offers a curved electrode to fit the natural spiral, bringing the signal closest to the hearing nerve for precise, clear sound representation.¹
- 2 Hearing nerve coverage:** At only 16.4 mm in length, the pre-curved Slim Modiolar electrode is proven to fully cover the same neural elements that would require a much longer ~31 mm straight electrode!²



3 Slim and flexible: Cochlear offers the slimmest electrodes,³ with gentle flexibility. These ultra slim designs minimize the impact to the delicate cochlear structures for gentle, atraumatic insertion to preserve key hearing structures, and only Cochlear offers pre-curved electrodes to fit the natural shape of the cochlea.

4 Industry leading reliability and transparency: Cochlear engineers and tests our implants for a lifetime of hearing which has translated into the most reliable implants in the industry.⁴



1. Holder JT, et. al. Matched Cohort Comparison Indicates Superiority of Precurved Electrode Arrays. *Otol Neurotol.* 2019 Oct;40(9):1160-1166.
2. Danielian A, Ishiyama G, Lopez IA, Ishiyama A. Morphometric linear and angular measurements of the human cochlea in implant patients using 3-dimensional reconstruction. *Hear Res.* 2020 Feb;386:107874. doi: 10.1016/j.heares.2019.107874. Epub 2019 Dec 20. PMID: 31893539; PMCID: PMC7100312.
3. Cochlear Americas. FUN1142 ISS12- Electrode Comparison Chart. Nov 2022.
4. Cochlear Limited. D2073229 Cochlear Nucleus Reliability Report Volume 21 December 2022, April 2023.

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