SLIM STRAIGHT IS THE INDUSTRY’S THINNEST FULL LENGTH ELECTRODE

- Patented tapered basal stiffener for a smooth, single motion insertion
- Softip™ and half-banded contacts
- Suited for round window and cochleostomy insertions
- Insertion depth indicators for precise electrode positioning

SLIM STRAIGHT ELECTRODE ARRAY IN DETAIL

1. Surgical handle located opposite of the electrode contacts to assist with electrode orientation and atraumatic insertion
2. White marker at 25mm indicates maximum insertion depth
3. Tapered basal stiffener designed for smooth, single motion insertion and minimization of buckling
4. White marker at 20mm indicates end of the active portion of the electrode array
5. Basal diameter 0.6mm
6. 22 medial facing, half-banded platinum electrode contacts, positioned over 20mm
7. Apical diameter 0.3mm
8. Softip for minimal insertion trauma

SURGICAL RECOMMENDATIONS

- Insertion Instrument: AOS Forceps (Item# Z60770)
- Requires Freedom® Surgical Kit (Item# Z60523)
- Open the facial recess and drill away round window overhang to visualize the true round window membrane
- Surgical Handle should face and maintain orientation opposite to the modiolus while inserting the electrode to ensure contacts are oriented correctly
- Use white markers on Slim array to assist in achieving a suitable insertion depth
- Stabilize the lead to prevent movement of the electrode array in the cochlea

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40% thinner than other implant manufacturers electrodes, measurements according to manufacturers’ electrode specifications
*Please refer to the CI422 Surgeons Guide
**IMPLANT DIMENSIONS**

![Diagram of implant dimensions]

- **ELECTRODE ARRAY**
  - **Contacts**
    - 22 medial facing, half–banded platinum electrode contacts, positioned over 20mm
    - Two extracochlear electrodes: one platinum plate attached to the receiver/stimulator package, and a separate 1.5mm diameter ball electrode on an 80mm lead
  - **MICROELECTRONIC PLATFORM**
    - **General features**
      - Power efficient, custom design
      - Stimulus amplitude range: 0μA to 1.75mA
      - Stimulation rates up to 31.5kHz
      - Pulse width: 9.6μs to 400μs per phase
      - Implant ID to uniquely identify implants
    - **Stimulation modes**
      - Monopolar, bipolar mode and common ground stimulation, biphasic current pulses
    - **Telemetry capability**
      - Ultra–low–noise floor (~1μV) – enabling advanced AutoNRT™ telemetry capabilities
      - Includes fully integrated telemetry modes – NRT, AutoNRT and intraoperative NRT
      - Supports electrophysiology – ESRT, ABR and CEP

**RECEIVER/STIMULATOR**

- **General features**
  - Weight – 9.5g
  - Titanium casing for high impact resistance
- **MRI**
  - MRI safe at 1.5 Tesla with magnet removed *(for further details refer to the current CI24RE Surgeon’s Guide)*
  - Sterile replacement implant magnet *(Item# Z50101)* star should face skin side

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1MRI field strength approval varies by country, check your warnings and precautions document. Magnet must be removed before all MRI procedures in the USA.

Specifications are nominal and accurate at the time of printing, subject to change without notification.

Not all patients with hearing loss are candidates for cochlear implantation. Cochlear implantation is a surgical procedure, and carries with it the risks typical for surgery.

For complete information regarding indications, warnings and adverse effects, please refer to the Nucleus Package Insert available at www.Cochlear.com/US/NucleusIndications

www.Cochlear.com/US

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