Advanced Bionics

HiFocus™ Mid-Scala Electrode

Atraumatic Insertion, Maximised Performance
The all-new HiFocus Mid-Scala electrode has been designed to **protect the delicate structures of the cochlea** and **preserve residual hearing**.

- Industry’s thinnest pre-curved array
- Lowest insertion forces
- Avoiding cochlea structures
- Small cochleostomy of 0.8mm
- Electrode diameter approx. 0.5 mm at 1st contact, 0.7 mm at 16th contact
Featuring the industry’s newest innovation in electrode design, the HiFocus Mid-Scala has been developed for placement in the middle of the scala tympani. The latest soft surgery approaches, including round window insertion, can be utilized to suit surgeon preferences and individual recipient needs.

- Electrode located central to perimodiolar
- Ideal basal placement for high frequencies\(^1\)
- An angular insertion depth designed to cover the main spiral ganglion cell population\(^2\)
- Ideal positioning in scala tympani for maximum performance\(^3\) whilst avoiding damage to the modiolus
- Designed to avoid trauma to the osseous spiral lamina and the basilar membrane\(^4\)
The HiFocus Mid-Scala is designed for **optimal cochlear placement** and **focused stimulation** to provide patients with the **full spectrum of sound**. The patented electrode contacts provide the **ideal platform for current steering**.

- Consistent insertion depth
- Suits all cochlea sizes
- Covers low-frequency-receptive regions of spiral ganglion cells

HiFocus Mid-Scala electrode placed in small cochlea (Fig. 1) and large cochlea (Fig. 2.) showing consistent angular insertion depth in comparison to variability of lateral wall electrode design (illustrated in pink)
Surgeons now have the choice of insertion with or without a tool. Designed to provide the best possible visualization of the cochlea, the tool has been developed for precise control of the angle and speed of insertion.

- Round window or cochleostomy approach
- Full control of electrode orientation
- Choice of freehand or insertion tool approach
- Patented automatic stylet retraction mechanism for soft release of electrode

Unique tip design for round window insertion and to reduce likelihood of foldover.

Electrode blue markers for enhanced visibility to aid precise insertion.

Straight, non-stick stylet

Reloadable on stylet or insertion tool

Insertion tool with retractable stylet
The latest offering in AB’s HiFocus electrode family, the HiFocus™ Mid-Scala electrode is designed to help protect the delicate structures of the cochlea.
optimal
Optimal Cochlear Placement

unique
Full-Spectrum Hearing

unique
Unique Mid-Scala Placement

atraumatic
Residual Hearing Preservation

precise
Precise Control

precise
Maximised Performance
References:


For additional contact information, please visit AdvancedBionics.com

Not for distribution in the United States and Canada.