

COCHLEAR IMPLANT SYSTEM

# The Neuro System



## Because sound matters

Oticon Medical is a global company in implantable hearing solutions, dedicated to bringing the magical world of sound to people at every stage of life. As a member of one of the world's largest groups of hearing health care companies, we share a close link with Oticon and direct access to the latest advances in hearing research and technologies. Our competencies span more than a century of innovations in sound processing and decades of pioneering experience in hearing implant technology.

By working collaboratively with patients, physicians and hearing care professionals, we ensure that every solution we create is designed with users' needs in mind. We share an unwavering commitment to provide innovative solutions and support that enhance quality of life for people wherever life may take them. Because we know how much sound matters.

M80763UK - version A

## Oticon Medical

Neurelec S.A.S  
2720 Chemin Saint-Bernard  
06220 Vallauris - France  
Tel. +33 (0) 4 93 95 18 18 – Fax + 33 (0) 4 93 95 38 01  
Email: info@oticonmedical.com

Designed for a future of sounds

# Oticon Medical's first cochlear implant system combines the best of hearing instrument and cochlear implant technologies



## Neuro Zti – Ultra-compact and powerful

Neuro Zti's innovative compactness is coupled with the industry's only integrated fixation system. This results in the smallest possible surgical footprint. No bone-bed drilling is required to secure the implant against migration, which aims to make surgery as efficient and safe as possible.

### Future-ready technology

The Neuro Zti cochlear implant integrates a future-proof technology platform that is flexible and powerful enough to work in combination with present and future advances in sound processing from Oticon Medical.

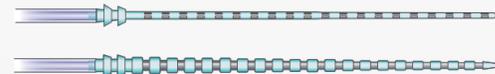
### MRI Peace of mind

For MRI safety, the Neuro Zti is compatible with 1.5T and 3T due to the easily removable magnet.



### Proven atraumatic electrode arrays

The Neuro Zti offers two different shape-conforming straight electrode arrays choices. Although featuring different stiffness profiles, they are both designed for low-trauma insertion with an optimal combination of mechanical and electrical properties.



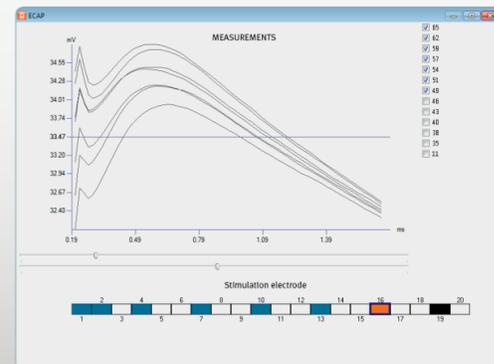
### Neuro Zti – Surgical tools

Dedicated CI surgical instruments to support the minimally invasive surgery and atraumatic insertions in the cochlea.



### Neuro ECAP 1.0

The Neuro Zti electronic platform contains a dedicated DSP for measuring and analyzing neural responses.



### Individualised fittings

DigiMap delivers a number of new lifestyle settings to give the possibility to truly adapt to individual users' needs:

- Tailored to wireless needs – up to 4 different programs
- Full set of diagnostic tools, including Neuro ECAP 1.0
- Supports simultaneous bilateral fitting
- Intuitive and efficient fitting flow

## Neuro One – Built for better understanding

Built on Oticon's advanced Inium chip platform, Neuro One enables automatic features and innovative sound processing, also called Coordinated Adaptive Processing.



### Coordinated Adaptive Processing

The idea behind the Coordinated Adaptive Processing is to automatically deliver the perfect balance and coordination between its different sound processing technologies. Whatever the environment, Neuro One draws on the technology needed in that situation to enhance listening and speech understanding.

- Free Focus directionality
- Voice Guard speech enhancement
- Voice Track noise reduction system
- Wind Noise Reduction



### Wireless capabilities

With the Neuro System and its accessories, users can wirelessly connect to a wide variety of devices, including the mobile phone, television or music system, for better and clearer sound.

### Designed for living

Neuro One offers a robust and comfortable design, and a wide variety of colours, all designed for living.

- Secure implant communication
- Battery door lock
- Self Check diagnostic
- Comfortable design

