

Optimising Surgical Care

Nucleus® SmartNav System



Surgical Care solutions are part of
Cochlear Connected Care

Real-time insights during surgery

Cochlear™ Surgical Care solutions are designed to improve the surgical experience for you, and enhance benefits for patients, through intraoperative tools and insights.

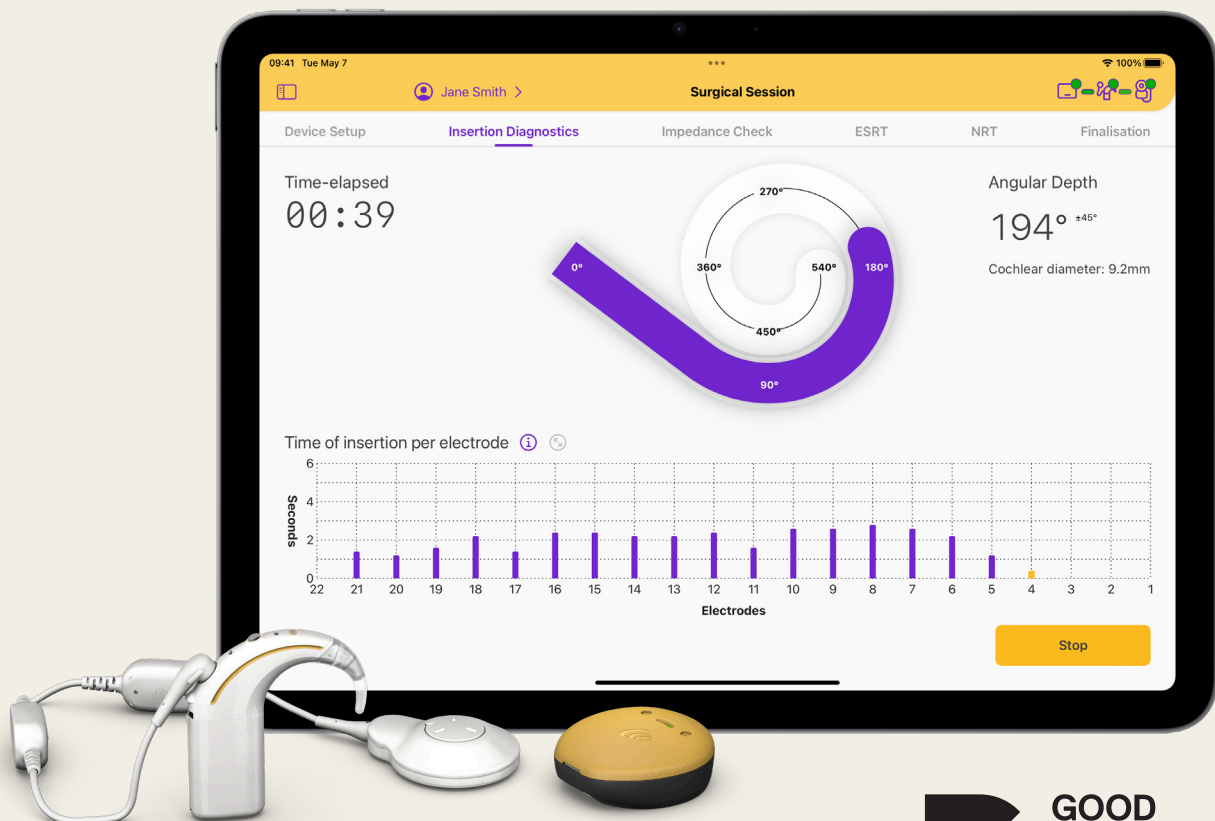
The award-winning Nucleus® SmartNav System provides wireless, real-time, actionable insights to support navigation during cochlear implant surgery.

It delivers added assurance to you and your patients that surgery was successful and the electrode was properly placed.¹

The iPad-based solution and surgical processor provide an intuitive workflow to help you in surgery, giving you real-time feedback for in-theatre decision-making around angular insertion depth and the consistency of insertion.²⁻⁷

Wireless connectivity, digital implant registration and intuitive design deliver a seamless workflow in the operating room.⁸

Data can then be directly imported into Custom Sound® Pro fitting software to support MAP creation.⁹



Surgical processor for the
Nucleus Nexa™ System

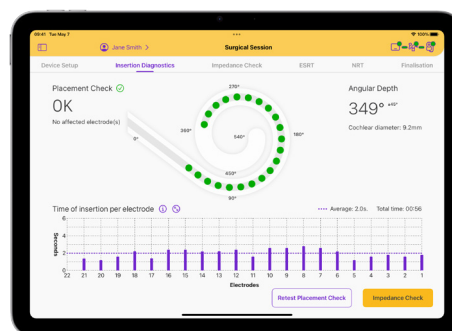
Surgical processor for the
Nucleus System



Nucleus SmartNav intraoperative measures:



Placement check – provides valuable information on final electrode placement and is designed to reduce the need for intraoperative imaging.^{7,8}



Angular insertion depth – provides real-time measurement of angular insertion depth and final electrode position.^{*5-6}



Time of insertion – provides feedback on consistency of the electrode insertion.²⁻⁴



Impedance – provides assurance that the device is operating as intended, prior to leaving the operating room.^{1,10}



Advanced and AutoNRT® measurements – the option to use Advanced NRT for obtaining neural response telemetry thresholds, providing flexibility in settings for optimal measurement.^{8,10}



Electrical Stapedius Reflex Threshold (ESRT) – confirms nerve response to electrical stimulation.^{8,10}

For more information visit
www.cochlear.com

* The angular insertion depth function is disabled when the Nucleus SmartNav System is used with a perimodiolar electrode.



Surgical Care

Hear now. And always

Cochlear is dedicated to helping people with moderate to profound hearing loss experience a world full of hearing. As the global leader in implantable hearing solutions, we have provided more than 750,000 devices and helped people of all ages to hear and connect with life's opportunities.

We aim to give people the best lifelong hearing experience and access to next generation technologies. We collaborate with leading clinical, research and support networks to advance hearing science and improve care.

That's why more people choose Cochlear than any other hearing implant company.

References

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This material is intended for health professionals. If you are a consumer, please seek advice from your health professional about treatments for hearing loss. Outcomes may vary, and your health professional will advise you about the factors which could affect your outcome. Always read the instructions for use. Not all products are available in all countries. Please contact your local Cochlear representative for product information.

ACE, Advance Off-Stylet, AOS, Ardium, AutoNRT, Autosensitivity, Baha, Baha SoftWear, BCDrive, Beam, Bring Back the Beat, Button, Carina, Cochlear, 科利耳, コクレア, 코클리어, Cochlear SoftWear, Contour, 콘트루어, Contour Advance, Custom Sound, DermaLock, Freedom, Hear now. And always, Hugfit, Human Design, Hybrid, Invisible Hearing, Kanso, LowPro, MET, MP3000, myCochlear, mySmartSound, Nexa, NRT, Nucleus, Osia, Outcome Focused Fitting, Off-Stylet, Piezo Power, Profile, Slimline, SmartSound, Softip, SoundArc, SoundBand, True Wireless, the elliptical logo, Vistafix, Whisper, WindShield and Xidium are either trademarks or registered trademarks of the Cochlear group of companies.

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