MEDIA RELEASE

Cochlear Unveils the World's First and Only Smart Cochlear Implant System

- **Upgradeable Firmware**: The Cochlear™ Nucleus® Nexa™ System features upgradeable firmware on the implant – an industry first, enabling recipients to benefit from future innovations through firmware updates.
- **Smallest Sound Processor**: The new Nucleus 8 Nexa Sound Processor, with the new Power Compact rechargeable battery, is the smallest sound processor with all-day battery life on the market. It is 9% smaller and 12% lighter than the Nucleus 8 Sound Processor with the Power Extend battery.[1,2]
- **Internal Memory**: The implant includes internal memory to securely store patients' unique hearing settings (MAPs), which can be transferred to any Nucleus Nexa Sound Processor, making it easier to stay connected to sound if a patient ever loses or damages their sound processor.
- **New Portfolio**: The new system includes the Nucleus Nexa Implant, the Nucleus Kanso® 3 Nexa Sound Processor and the Nucleus 8 Nexa Sound Processor. In addition, those with Cochlear's legacy Nucleus Systems will be able to upgrade to the new Kanso 3 Sound Processor.

[Hannover, Germany, 11 June 2025]: Cochlear Limited (ASX: COH), the global leader in implantable hearing solutions, has transformed the industry with the launch of the Cochlear Nucleus Nexa System, the world's first and only smart cochlear implant designed to evolve with future innovations.

Until now, recipients of cochlear implants have only been able to access new technology through the external part of their system, the sound processor. To fully experience the benefits of new advancements, they have typically needed to replace their sound processor. The new smart Nexa System has upgradeable implant firmware, which for the first time will enable Cochlear recipients to access future innovation through both their implant and sound processor. This new firmware update pathway will enhance recipients' periodic sound processor upgrades to deliver their best possible hearing experience, giving recipients more ways to access new innovations over time.

In addition, the new Nucleus 8 Nexa Sound Processor with the Power Compact rechargeable battery is the smallest and lightest sound processor with all day battery life on the market.[1,2] Through a new algorithm called Dynamic Power Management, the Nucleus Nexa System intuitively responds to recipients' changing needs across the day, all while adapting to maximize battery life. It is 9% smaller and 12% lighter than the Nucleus 8 Sound Processor with the Power Extend battery. [1,-8,#,*]

"The Nucleus Nexa Implant is the first ever cochlear implant running its own firmware. Similar to smartphones, the implant firmware can be updated to enable new features and access future innovations. Recipients will now have access to their best possible hearing experience with both implant *and* sound processor updates. The Nucleus Nexa System builds upon Cochlear's industry-leading portfolio of electrodes, which are designed to optimize the electrode-neural interface and protect

cochlear health for a lifetime of hearing performance and opens the door to even greater hearing potential for patients into the future. While it uses the same implant form factor as the most reliable cochlear implant in the industry, [9-11, ††] the new Nexa Implant features a totally new and redesigned chipset packed with innovative and smart features. This includes onboard diagnostics, which takes the pressure off carers and recipients by allowing the system to check itself and monitor to ensure it is performing to the best of the recipient's hearing needs. This new system sets a new industry standard," Jan Janssen, Chief Technology Officer at Cochlear, said.

It is also the first implant with internal memory, which enables unique hearing settings (MAPs) to be securely stored in the implant itself and can be easily transferred to any Nucleus Nexa Sound Processor in the future, in case of a lost or damaged sound processor, making it easier to stay connected to sound.

The new system includes the Nucleus Nexa Implant, the Nucleus Kanso 3 Nexa Sound Processor, and the Nucleus 8 Nexa Sound Processor. The Nucleus Nexa Implant and sound processors are supported by Nucleus SmartNav, Nucleus Smart App, Custom Sound® Pro fitting software and True Wireless™ Devices. In addition, those with Cochlear's legacy Nucleus Systems will be able to upgrade to the new Kanso 3 Sound Processor. Both the Kanso 3 Nexa and Kanso 3 sound processors will deliver all the innovative features introduced with the Nucleus 8 Sound Processor, including SmartSound IQ 2 with SCAN2 [†] and automated ForwardFocus [‡].

"The fact that the implant is future-ready gives patients confidence, knowing that the implant they receive today won't become outdated tomorrow. The Nucleus Nexa System is the new standard in the industry" German KOL Professor Dr Thomas Lenarz said.

Like with Cochlear's previous sound processor technology, the Nexa System is seamlessly connected to an ecosystem that delivers personalized care, a world of streaming options and features rugged IP68 waterproofing for listening in every language environment. [12-13,¥,**, #]

"I can hear all the sounds. One of the first sounds I heard was my dog running on the wooden floor. I can also hear birds much better. It's an incredible difference to be able to understand your daughter and your husband without much difficulty. Conversations became equal. I chose the Cochlear Nexa System because it was simply the most advanced technology. My work is going incredibly better. I do lots of virtual meetings via my phone or laptop. I can stream everything from radio to music. I am really happy with this system. I couldn't live without it." Beatrijs, recipient of the Cochlear Nucleus Nexa System, said.

Over 5% of the world's population, 430 million people, live with disabling hearing loss.[14] Up to 80% of children who received implants younger than 12 months demonstrated receptive vocabulary within the normal range by school entry.[15] Hearing is not just about being able to hear words and sounds. It goes to the heart of a person's health and wellbeing, and overall quality of life.[16-18]

Availability is subject to local approvals, but the system is expected to roll out in major European markets by mid-June 2025.

Discover how the Nucleus Nexa System can transform lives. Visit www.cochlear.com for more details.

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About Cochlear Limited (ASX: COH)

People have always been Cochlear's inspiration, ever since Professor Graeme Clark set out to create the first multi-channel cochlear implant after seeing his father struggle with hearing loss. Since 1981, Cochlear has provided more than 750,000 devices in more than 180 countries, helping people of all ages around the world to hear. As the global leader in implantable hearing solutions, Cochlear connects people with life's opportunities, and welcomes them to the world's largest hearing implant community.

Cochlear has a global workforce of around 4,800 people, with a passion for progress, who strive to meet the needs of people living with hearing loss. The company continually innovates to anticipate future needs, investing more than AUD$2.7 billion to date in research and development to push the boundaries of technology and help more people hear.

www.cochlear.com

For further information please contact:
Helen Clark – Marketing Director, Cochlear UK & Ireland
Email: helclark@cochlear.com

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†† Based on comparable implant generations released by Cochlear, MED-EL and Advanced Bionics using each manufacturer's first published CSP data at 7 and 15 years.

Battery life varies for every user, according to the age of the battery, the programs used each day, your implant type, the thickness of skin covering your implant, and the size and type of battery used. Streaming from compatible devices, True Wireless Devices or FM may decrease sound processor battery life depending on how often and for how long streaming is engaged.

* The Nucleus Kanso 3 Nexa Sound Processor is the world's smallest and lightest rechargeable off-the-ear sound processor.

^ Remote Care is not available in all countries. For information regarding the devices that are compatible with Cochlear's Remote Care services, visit www.cochlear.com/compatibility

† It is recommended that SNR-NR, WNR and SCAN be made available to any recipient, ages 6 and older, who is able to 1) complete objective speech perception testing in quiet and noise in order to demonstrate and document performance and 2) report a preference for different program settings.

‡ ForwardFocus can only be enabled by a hearing implant specialist. It should only be activated for users 12 years and older who are able to reliably provide feedback on sound quality and understand how to use the feature when moving to different or changing environments. It may be possible to have decreased speech understanding when using ForwardFocus in a quiet environment.

¥ As Bluetooth LE Audio compatible devices become available, a firmware update will be required for your patients to use certain features. Auracast™ broadcast audio capability is subject to third party adoption of the Auracast protocol.

** The Cochlear Nucleus 8 Sound Processor is dust and water resistant to level IP68 of the International Standard IEC60529. The Nucleus 8 Sound Processor with Aqua+ is dust and water resistant to level of IP68 of the International Standard IEC60529 when you use a Cochlear Power Extend Rechargeable Battery Module or Cochlear Compact Rechargeable Battery Module. The Nucleus 8 Sound Processor with Aqua+ can be continuously submerged under water to a depth of up to 3 meters for up to 2 hours. The Aqua+ accessory should be used when participating in prolonged water activities. Refer to the relevant user guide for more information.

The Cochlear Nucleus 8 Sound Processor with compatible rechargeable battery module and the Kanso 2/3 Sound Processor are dust and water resistant to level of IP68 of the International Standard IEC60529. The Nucleus 8, Kanso 2 and Kanso 3 Sound Processors with Aqua+ are dust and water resistant to level of IP68 of the International Standard IEC60529 and can be continuously submerged under water to a depth of up to 3 meters (9 feet and 9 inches) for up to 2 hours. The Aqua+ accessory should be used when participating in prolonged water activities. Refer to the relevant User Guide for more information.