COCHLEAR IMPLANTS AND MRI

Cochlear™ Nucleus® Implants Are Approved for MRIs up to 3.0 Tesla (T).*

The following Nucleus Profile and Freedom implants are approved for MRI for up to 3.0T with the magnet removed and 1.5T with magnet in place with use of the Cochlear Nucleus Implant Bandage and Splint Kit:

- Nucleus Profile: CI512, CI522, CI532
- Nucleus CI24RE: CI422, CI24REH (Hybrid L24), CI24RE(CA), CI24RE(ST)

Radiologists weigh in on the importance of magnet removal for cochlear implant recipients needing an MRI.

Radiologists are medical doctors who specialize in diagnosing diseases and injuries using a range of imaging techniques - one of which is magnetic resonance imaging (MRI).

What is an MRI?

An MRI is a diagnostic tool to obtain images of organs and tissues using a very powerful magnetic field measured in tesla (T). MRIs can range in strength from 0.2T to 7.0T, with 1.5T being the most common. 8 out of 10 MRIs are done with 1.5T or lower strength MRI machines.1

Safety concerns for medical implants and MRI.

Due to the powerful magnetic field, cochlear implants can create problems for MRIs. The risks include the potential for device repositioning that may cause injury or pain and also obscure the image.3,4 85% of radiology professionals agree that they have an alternative diagnostic tool for patients who cannot undergo an MRI due to having a device or implant with a magnet.1

Cochlear™ Nucleus® Implants are designed for safe MRIs.

The Cochlear™ Nucleus® Implant System contains a removable magnet, to ensure MRI compatibility, safety and comfort for Cochlear Implant recipients. Cochlear was the first to introduce this key safety feature nearly two decades ago. The magnet is easy to remove and replace if needed and in the rare case that a recipient needs serial MRIs, a no magnet option is available. The importance of this design feature is reinforced by radiologists.

Our implant design is another example of our focus on innovation and supports our commitment to help our recipients “Hear now. And always.” Additionally, the most recent advances in the Nucleus® 7 Sound Processor provide Made for iPhone connectivity that allows you to stream calls, music and more from your favorite Apple® devices.** Our Nucleus Sound Processors are also compatible with our True Wireless™ accessories that can help you hear better in a variety of noisy environments.

For more information please visit: www.cochlear.com/us/mri

References:
3. www.Radiologyinfo.org
5. Radiology Poll conducted by Penn, Schoen, Berland, August 2015. Data on File.

* with magnet removed.

**The Nucleus 7 Sound Processor is compatible with iPhone 7 Plus, iPhone 7, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPhone SE, iPhone 5s, iPhone 5c, iPhone 5, iPad Pro (12.9-inch), iPad Pro (9.7-inch), iPad Air 2, iPad Air, iPad mini 4, iPad mini 3, iPad mini 2, iPad mini, iPad (4th generation) and iPod touch (5th generation). The Nucleus 7 Sound Processor is not compatible with iPhone 4 or older models and iPad mini (1st generation) and iPad 4 (1st generation). The Nucleus 6 Sound Processor is not compatible with iPhone 4 or older models and iPad mini (1st generation) and iPad 4 (1st generation). The Nucleus 5 Sound Processor is not compatible with iPhone 4 or older models and iPad mini (1st generation) and iPad 4 (1st generation). Made for Apple logo and Made for iPhone are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc., registered in the U.S. and other countries. Information accurate as of July 2017.