



HiRes Ultra 3D

HASSLE FREE MRI



A Sonova brand



The Latest Technology for Adventurous Childhoods and Hassle Free MRIs

Getting a cochlear implant (CI) is a life-changing decision. Whether it's hearing the richness of music, listening to teachers, talking on the phone with a friend or discovering the amazing sounds of the world around them, your child deserves the most-accurate and complete sound possible.

That's why at Advanced Bionics, we design implants for life and all the situations it presents.

And with the first of its kind multi-magnet assembly that provides alignment to the strong magnetic field of an MRI machine, our latest HiRes™ Ultra 3D cochlear implant is also safe for 3.0 Tesla MRIs. While with conventional magnets your child may need surgical removal and reinsertion of the magnet inside the implant to undergo an MRI, the multi-magnet assembly gives your child the freedom of hassle free MRIs if they ever need one.

We are passionate about delivering your child the most-advanced technology to allow your child to hear and live their best. And together with Phonak we have a combined experience of almost a century in developing and delivering cutting-edge innovations in hearing products. We're dedicated to and passionate about pushing the limits of technology to provide the most natural, complete and future-proof hearing solutions possible—so your child can develop, grow and participate in all the fun of childhood.

All around the world, many thousands of people have already benefitted from our cochlear implants. We welcome you and your child to the AB family and look forward to your child being able to make powerful connections to the ones they love.

The World's Most Advanced Cochlear Implant System

Future-Proof

Our HiRes Ultra 3D cochlear implant is designed to accommodate future new developments in signal processing and compatibility with product enhancements. It has spare capabilities which gives you peace of mind.

Gentle on the Inner Ear

Our implant's tiny electrode array is what stimulates your child's hearing nerve. Our electrodes are designed to protect the delicate cochlea structures^{1,2,3,4,5} and provide complete coverage of the cochlea for full spectrum sound⁶.

Hassle Free MRI

Our HiRes Ultra 3D cochlear implant, with its multi-magnet assembly that provides 3D magnetic field alignment, has no restriction on head orientation during the MRI. Your child can enjoy hassle free and pain free MRI examinations, and it eliminates the lengthy preparation procedures for your child, such as surgical removal and reinsertion of the magnet, after which your child needs to wait some time until they can use the implant again. With Hires Ultra 3D after the MRI you put back on the sound processor for uninterrupted hearing for your child.

Thin, Strong and Versatile

The HiRes Ultra 3D is designed to exceed industry standards for all-day use and impact resistance, so your child can enjoy all of life's adventures without limits.

Wireless capabilities and benefits

The AB Naída sound processors have wireless capabilities for better performance in challenging listening environments. Speech understanding in noisy situations is very important and AB offers your child the latest Phonak technology to address exactly that.



The HiRes Ultra 3D Cochlear Implant has been awarded the Medtech Breakthrough Award 2019 for Best Medical Device Solution.



The Advanced Bionics Advantage

Clear, Effortless Hearing in Every Setting

Every aspect of our HiRes Ultra 3D CI system has been optimized for clarity, comfort and convenience and to work seamlessly toward one unwavering goal: helping your child hear their best. But what truly sets our cochlear implant technology apart is its unsurpassed digital sound processing and delivery capabilities, combined with the durability, connectivity and flexibility needed for all of life's situations and environments. Thanks to the sophisticated electrode design—and our partnership with Phonak, the world leader in hearing aids—the AB sound processor can deliver frequency information to 120 cochlear places. This gives your child a fuller and richer hearing experience. And no matter what environment your child is in, the AB system automatically filters out background noise and adjusts to deliver optimal hearing. There's no need to change your child's program or adjust any settings—the AB sound processor automatically takes care of it all.

Built for Sports

The AB HiRes Ultra family of implants has been designed to allow your child to engage in a quality of life no different from that of a non-CI user. The HiRes Ultra 3D exceeds the industry standard⁷ for impact resistance and allows recipients to participate in everyday activities and sports without worry.

Benefits in Case Your Child Needs an MRI

Hassle Free

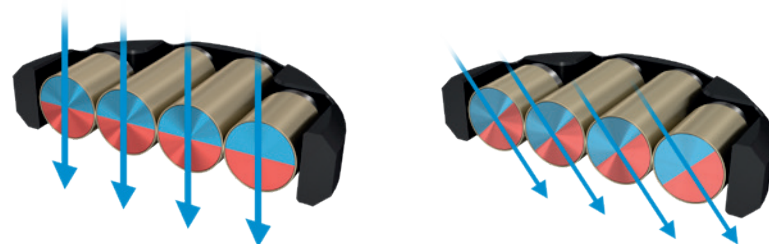
MRI examinations are increasingly used for diagnostic purposes. Unlike X-Rays, the patient is not exposed to a radiation dosage and doctors get very detailed pictures of inside the body. We believe that an MRI procedure should be hassle free for you and your child. That is why the new multi-magnet assembly in the HiRes Ultra 3D CI, invented by AB, provides 3D magnetic field alignment that allows your child to safely undergo high-resolution imaging, such as 3.0 Tesla MRIs, without any preparation, surgery or head bandaging.

Pain Free

Going into an MRI tube is stressful, especially for young children. Not being allowed to move their head in the MRI field can increase that stress. Our HiRes Ultra 3D cochlear implant requires no restriction on head orientation during an MRI. This means your child can be more relaxed and comfortable within the magnetic field. The multi-magnet assembly that provides 3D magnetic field alignment ensures that the powerful forces generated during an MRI don't cause any torque, pressure, tugging or discomfort for your child, for pain-free MRI procedures every time.

Uninterrupted Hearing

While getting an MRI, your child will not need any special preparation other than to take off their sound processor. And when the scan is done, all they have to do is to put their sound processor and headpiece back on. With the HiRes Ultra 3D cochlear implant we provide your child uninterrupted hearing, which is essential for their speech and language development.





A Life Without Limitations

Childhood is a time for magical moments and playful discovery. And you want to make sure your child can actively participate in it all — without limits. You shouldn't have to wonder if they're missing important details or conversations as they learn, play and grow. And you shouldn't have to worry when they climb the monkey bars, wrestle or play catch with their friends.

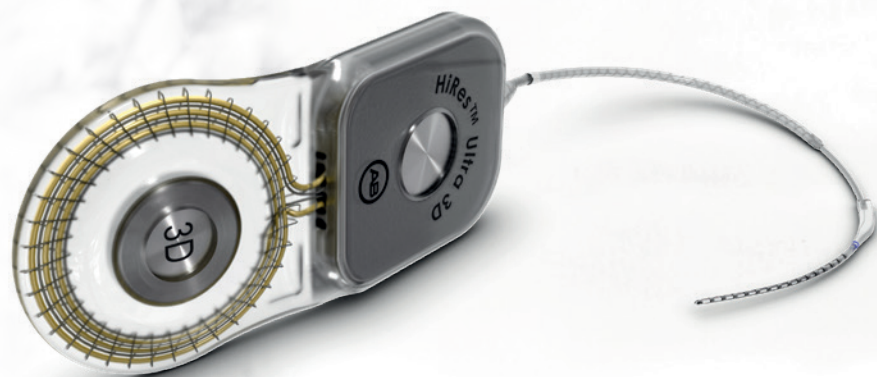
The sophisticated and durable cochlear implants from Advanced Bionics are designed to give your child sound clarity and comfort through every kind of activity—no matter how rough, noisy or wet. Whether they love football, soccer, swimming, skiing, talking on the phone or playing music—everything is possible with the HiRes Ultra 3D cochlear implant system.

Three Reasons to Choose HiRes Ultra 3D for Your Child

1. Hassle Free because with HiRes Ultra 3D cochlear implant you can treat an MRI like any other standard medical examination.

2. Pain Free because our new innovative multi-magnet assembly provides 3D magnetic field alignment, so there's no pain and discomfort during an MRI.

3. Uninterrupted Hearing because the only thing your child has to do is to take off the sound processor, get the MRI, and put it back on.



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🏢 **ADVANCED BIONICS LLC** – 28515 Westinghouse Place - Valencia, CA 91355, United States
T: +1.877.829.0026 - T: +1.661.362.1400 - F: +1.661.362.1500 info.us@advancedbionics.com

EC REP **ADVANCED BIONICS GMBH** - Feodor-Lynen-Strasse 35 – 30625 Hannover, Germany

For information on additional AB locations, please visit advancedbionics.com/contact

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