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Advanced Bionics

HiRes Ultra 3D Cochlear Implants — For a Life Without Limits



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The Latest Technology for Adventurous Childhoods and Hassle Free MRIs

Getting a cochlear implant (CI) is a life-changing decision. That's why at Advanced Bionics, we design implants for life and all the situations it presents.

Whether it's hearing the richness of music, listening to teachers, talking on the phone with a friend or experiencing the amazing sounds of the world around them, our HiRes™ Ultra 3D cochlear implant system was designed to deliver the most-accurate and complete sound possible for your child.

And with the first of its kind magnet that provides 3D magnetic field alignment, our latest implant is also safe for high-resolution imaging, such as 3.0 Tesla MRIs, without magnet removal — giving your child the freedom of hassle free MRIs if they ever need one.

With over 70 years of experience developing and delivering innovative hearing technologies alongside our partner Phonak, we at Advanced Bionics are passionate about pushing the limits of technology to provide the most complete, natural and future-proof hearing solutions possible for your child so they can develop, grow and participate in all the fun of childhood.

All around the world, hundreds of thousands of people benefit from our cochlear implants, and we look forward to being part of your child's hearing journey too.

Sophistication in Design: Meet the World's Most Advanced Cochlear Implant System

Future-Proof

Our HiRes Ultra 3D cochlear implant is designed to accommodate signal-processing improvements and easy compatibility with all future product enhancements.

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 sound.⁶



Hassle Free MRI

With its magnet that provides 3D magnetic field alignment, our HiRes Ultra 3D cochlear implant has no restriction on head orientation during an MRI. It eliminates the lengthy preparation procedures for your child, such as surgically removing the magnet.

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.





Clear, Effortless Hearing in Every Setting: The Advanced Bionics Advantage

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 from that of other CIs 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 our sophisticated electrode design—and our partnership with Phonak, the world leader in hearing aid sound digitization—our 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, our 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—our sound processor automatically takes care of it all.



Sophisticated Design for Safe, Hassle Free MRIs

We believe that an MRI procedure should be hassle free for you and your child. That is why the new magnet 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.

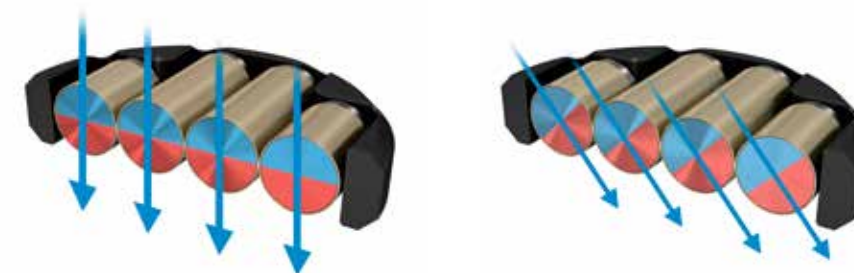


Pain Free

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 magnet 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.

At Advanced Bionics, we are driven by the success of the people who choose our hearing solutions and we are honored to have the opportunity to help those with hearing loss enjoy a life without limits.

Built Sport Tough

Our 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.



The Sky's the Limit

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.

Our sophisticated and durable cochlear implants 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 an Ultra 3D cochlear implant 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 magnet provides 3D magnetic field alignment, so there's no pain and discomfort during an MRI.
- 3. Uninterrupted Hearing:** because the only thing that your child has to do is to take off the sound processor, get the MRI, and put it back on.

