

## Could a bone conduction solution help you?

Ask yourself the following questions. If you answer “yes” to any of them, then a bone conduction solution might be right for you:

- ☐ Are you unhappy with your hearing aids due to issues like whistling or irritated ears?
- ☐ Do you have trouble getting sufficient loudness when using hearing aids?
- ☐ Can you only hear from one ear?
- ☐ Do you suffer from chronic ear infections?
- ☐ Do you have malformed ears or ear canals?

## Benefits of hearing through bone conduction

Research and decades of experience demonstrate the benefits of a bone conduction solution compared to leaving your hearing loss untreated.<sup>1-3</sup>

### With a bone conduction solution you may be able to:

- Hear better, even in noisy situations
- Enjoy a clean, more natural sound when you bypass the damaged part of your ear
- Hear sounds as if they are coming from both sides
- Become more aware of your surroundings, increasing your ability to hear important sounds

“The Osia System has given me access to higher pitch sounds, like when I am in large crowds or having a conversation with a friend. The speech sounds are louder which helps make conversations with friends and family a much smoother process.”

Isabella – Osia System recipient



## 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 700,000 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:

1. Flynn MC, Sadeghi A, Halvarsson G. Baha solutions for patients with severe mixed hearing loss. Cochlear Implants Int 2009;10 Suppl 1:43-7.
2. Hol MK, Snik AF, Mylanus EA, Cremers CW. Long-term results of bone anchored hearing aid recipients who had previously used air-conduction hearing aids. Arch Otolaryngol Head Neck Surg 2005 Apr;131(4):321-5.
3. Watson GJ, Silva S, Lawless T, Harling JL, Sheehan PZ. Bone anchored hearing aids: a preliminary assessment of the impact on outpatients and cost when rehabilitating hearing in chronic suppurative otitis media. Clin Otolaryngol 2008;33:338-342.

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.

Views expressed are those of the individual. Consult your health professional to determine if you are a candidate for Cochlear technology.

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## Bone conduction solutions





# Hope when you need it most

Hearing loss is unique to each individual and can be caused by a variety of factors. A bone conduction solution can help you regain access to the sounds you have been missing, depending on the degree of hearing loss and which part of the ear is damaged. If you struggle to hear due to conditions such as draining ears, chronic ear infections, acoustic neuroma, Microtia, or Atresia, a bone conduction solution may be what you have been waiting for.

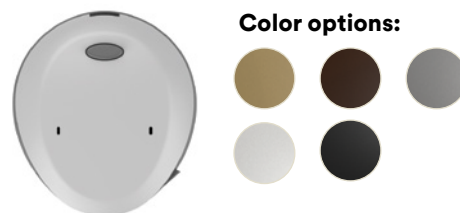
## Cochlear™ Osia® System

The Osia® System is the world's first active osseointegrated implant that utilizes piezoelectric stimulation to directly transmit vibrations to the inner ear, bypassing damaged areas of the middle and outer ear. The OSI300 implant provides easier access to MRI scans at 1.5 and 3.0T strength without the need to surgically remove your implant or implant magnet.\*\*

### Osia 2(I) Sound Processor

The slim, off-the-ear Osia Sound Processor is light and comfortable to wear. As a one-piece unit that includes the magnet and battery, you can simply place it on your head and you're ready to go.

- For those with hearing loss up to 55 dB SNHL†
- Offers direct streaming with compatible Apple® devices‡
- Control your hearing experience conveniently from your smartphone with the Osia Smart App



\* In the United States and Canada, the placement of a bone-anchored implant is contraindicated in children under the age of 5. In the United States and Canada, the Osia System is cleared for children ages five and older.

\*\* Cochlear Osia implants are MR Conditional, meaning they have demonstrated safety in the Magnetic Resonance Imaging (MRI) environment within defined conditions. Always read the instructions for use and discuss with your doctor before undertaking any MRI procedure.

† SNHL means sensorineural hearing level.

‡ The Osia 2(I) Sound Processor is only compatible with the OSI300 Implant and has the same performance and connectivity as the Osia 2 Sound Processor (SmartSound IQ, Made for iPhone, connection to Cochlear True Wireless™ devices and Osia Smart App). The difference between the current system and the new system is the MRI access. For compatibility information, visit [www.cochlear.com/compatibility](http://www.cochlear.com/compatibility)

## Cochlear™ Baha® System

We offer both surgical and non-surgical solutions that are designed to provide unparalleled hearing performance. You can experience the brilliance of bone conduction with Baha® Start by using a Baha Softband™ or SoundArc™ and the Baha Sound Processor.



### Baha 6 Max Sound Processor:

The Baha 6 Max Sound Processor's small size delivers premium power by setting a 55 dB SNHL fitting range benchmark without compromising on important features like:

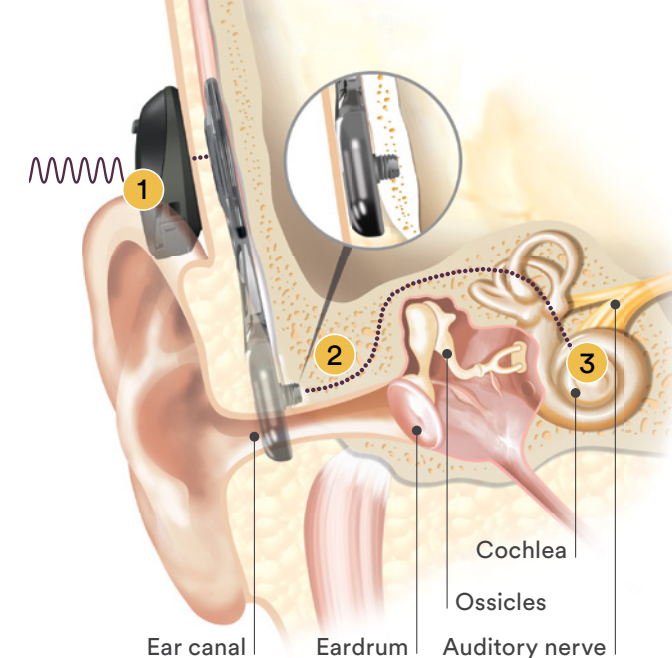
- Stream music or audio directly from a compatible Apple or Android™ device¶
- Dual microphones that help filter out background noise
- Our highest dust and water protection at IP68#

If the Osia system is not a suitable surgical option, the Cochlear Baha System may be an alternative implantable solution.



¶ The Cochlear Baha 6 Max Sound Processor is compatible with Apple and Android devices. The Cochlear Baha Smart App is available on App Store and Google Play. For compatibility information visit [www.cochlear.com/compatibility](http://www.cochlear.com/compatibility).

# The Cochlear Baha 6 Max Sound Processor, with battery compartment excluded, is dust and water resistant to level IP68 of the International Standard IEC60529. Refer to the relevant user guide for more information. Tested by the RISE Research Institutes of Sweden AB.



Bone conduction solutions use your body's natural ability to deliver sound through the bone. The Osia System and the Baha System work in different ways.

### Osia System (illustrated above)

- 1 The Osia Sound Processor captures sound in the air and digitally analyzes the signal. The signal moves through the skin to the implant.
- 2 The Piezo Power™ transducer vibrates, sending vibrations through the implant to the bone.
- 3 The bone carries the vibrations directly to your inner ear where they are converted into electrical impulses and sent to the brain.

### Baha System and Baha Start

- 1 The Baha 6 Max Sound Processor captures sounds in the air.
- 2 The sound processor turns the sound into vibrations and sends them through to the bone via an implant or connector disc.
- 3 The bone carries the vibrations directly to your inner ear where they are converted into electrical impulses and sent to the brain.