

Cochlear Bone Anchored Solutions

About Cochlear Bone Anchored Solutions

Cochlear Bone Anchored Solutions (based in Gothenburg, Sweden) is a division of Cochlear Limited. The company is the global leader in innovative bone conduction hearing solutions. Its mission is to improve the quality of life of the hearing impaired. More than 60,000 people worldwide have been helped to better hearing with Baha®.

Bone conduction – rerouting sound naturally

We hear sound naturally in two ways: air conduction and bone conduction. Air conduction hearing devices use amplified air to send sound waves from the outer ear, via the ear canal to the inner ear. Bone conduction devices send the sound vibrations directly to the inner ear through the bone.

Baha, the bone conduction hearing system, utilises the body's natural ability to conduct sound via bone. In cases where the middle ear is blocked or damaged, or when one ear does not function, Baha bypasses the obstacles, naturally stimulating the inner ear.

About the Baha® system

The Baha system consists of a high-performance sound processor and a small titanium implant which is located behind the ear. The sound processor captures the sound vibrations and directs them through the implant and the bone to the inner ear.

The implant benefits from the process of osseointegration where titanium merges with human bone. This process has been used with reconstructive surgery, dental implants and Baha with great success for more than thirty years.

Surgery to place the implant is typically performed in an outpatient setting. Most people can resume normal activity within a few days. After the implant has had time to integrate, the recipient will return to a hearing care professional to be fitted with a Baha sound processor and have the settings adjusted to the personal preferences.

Sound processors and accessories

Four models of Baha sound processors are available: BP100, the fully programmable Baha sound processor based on an audiological toolkit dedicated to direct bone conduction and featuring flexible, automatic systems that ensure crystal-clear hearing in all sound environments; Baha Divino®, using digital sound processing; Baha Intenso™, when more power is required; and the bodyworn Baha Cordelle II, for maximum power.

The Baha hearing experience can be further enhanced with a wide range of innovative system accessories.

The Baha system provides a natural pathway to hearing and is a simple and effective hearing solution for many types of hearing loss. With its pioneering system, more people can experience the wonderful world of sound.