

Oticon Medical has played a key role in revolutionizing the field of bone anchored hearing care. With user needs as our driving force, and the most sophisticated sound technology as our means, we aim to empower and bring freedom of choice to users of bone anchored hearing systems.

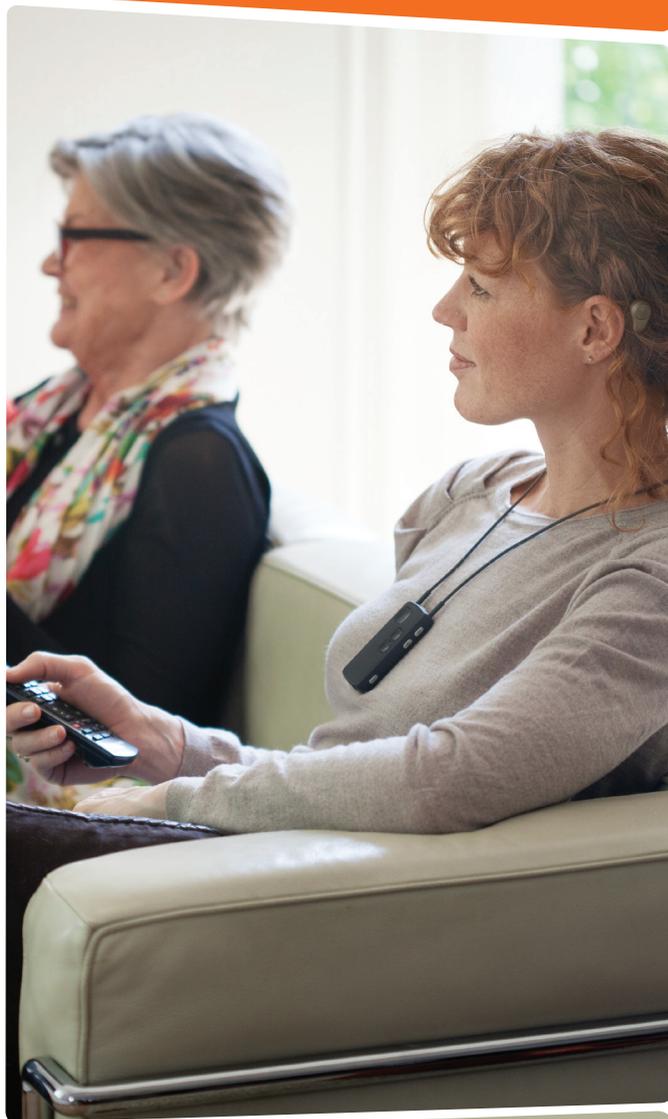
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## How Bone Anchored Hearing Systems Work



**oticon**  
MEDICAL | Because  
sound matters

### What is a bone anchored hearing system?

Bone anchored hearing systems are designed to use your body's natural ability to transfer sound through bone conduction. The sound processor converts sounds into vibrations which are then sent through your skull bone, directly to your inner ear.

### A bone anchored hearing system consists of three parts:

1. A small (3 or 4 mm) titanium implant that sits in the bone behind the ear
2. An abutment that is seamlessly placed through the skin enabling the sound processor to be attached
3. A sound processor that sits discreetly behind the ear



### How bone conduction works?

The sound processor clicks easily into the abutment. Once attached, it picks up sound waves in much the same way as a conventional hearing aid. However, instead of sending these sound waves through the ear canal, it transforms them into sound vibrations, ready to send through your skull bone. Thanks to the direct connection between the sound processor and the bone through the implant and abutment, your skin does not dampen the sound vibrations, which gives a clearer sound.



When you click off the sound processor, for example when showering or sleeping, no sound vibrations are sent and your hearing will return to its original state.

### What is the procedure?

Getting a bone anchored hearing system is a well-proven, safe and relatively simple process, often done under local anesthetic. With the new Minimally Invasive Ponto Surgery, a small incision that corresponds exactly to the size of the implant and abutment is made. This means no suturing is needed, which reduces scarring and shortens healing time. Furthermore, if you decide bone anchored hearing is not right for you, the procedure is reversible.

### Who can benefit from a bone anchored hearing system?

If your hearing loss is due to problems in your outer or middle ear, such as:

- Ear canal & middle ear problems
- Single sided deafness

Talk to your hearing care professional about bone anchored devices.

### What are the benefits of a bone anchored hearing system?

The Ponto System is designed to address the everyday challenges you face with a loss of hearing – from understanding conversations in crowded situations to coping with outdoor wind noise:

- Clear and natural sound
- A comfortable solution
- A safe and simple procedure



At Oticon Medical, we strongly believe that users should be free to choose whichever bone anchored hearing solution suits their needs.