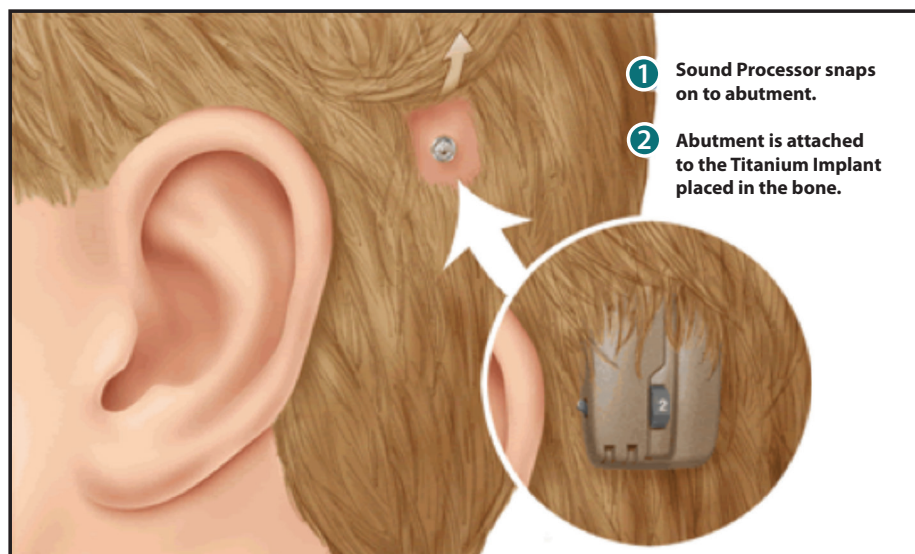


## BAHA (Bone Anchored Hearing Aid)



### What is a BAHA?

- A small titanium implant is inserted into the skull where it osteointegrates. An abutment is attached to the implant such that a small portion of the abutment sticks out through the skin and forms a snap attachment point for a removable bone conduction hearing aid.
- The titanium implant receives the amplified vibrations from the sound processor and sends them through the bone directly to the cochlea, bypassing the outer and middle ear. In BAHA users with Single-Sided Deafness the implant receives the amplified vibrations and sends them through the bone to the hearing ear, bypassing the non-hearing side.
- The sound vibrations reach the inner ear and cause waves in the fluid of the cochlea. The hair cells convert the fluid movement into electrical signals sent to the hearing nerve.
- The hearing nerve sends the information to the brain as electrical impulses, where they are interpreted as sound.

