



## BONE CONDUCTION IMPLANT SYSTEMS

### The Med El “*Bonebridge™*”

For some individuals the traditional delivery of amplified sound by air conduction is less efficient due to anatomical anomalies or medical conditions. In these situations delivery of sound by bone conduction is an outstanding option providing strong and undistorted sound presentation directly to the inner ear.

Bone Implant systems can be used for the following types of hearing loss:

- Conductive Hearing Loss
- Mixed Hearing Loss
- Single Sided Deafness (Unilateral Dead Ear)

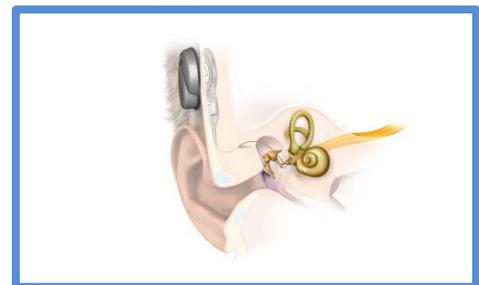
The Med El Bonebridge™ is a fully implantable bone conduction transducer that receives power and data from a small external signal processor that is held in place by magnetism. Alternative technologies use a transcutaneous metal abutment to which the vibrating module is attached externally.



The benefit to the recipient of the implantable device is they are not troubled with the routine of abutment hygiene and the device is more cosmetically appealing with negligible feedback issues.

### The Vibrant Soundbridge

The Soundbridge can be used to treat individuals with a mild to moderate degree of **sensorineural hearing loss** as well conductive and mixed hearing loss, again using implantable technology. It does so by attaching a vibrating transducer on the middle ear ossicles, to add power to the auditory signal, much like a conventional hearing aid does with air conducted sound. It is particularly well suited for individuals for whom conventional hearing aids are contraindicated.



### Obtaining Appropriate Audiological and Medical Advice

To determine your Audiological candidature a complex hearing assessment and product evaluation is required. Product evaluations can be simulated with a temporary headband style transducer arrangement. A medical specialist examination will also be required in due course to determine your surgical suitability.

ACE Audiology is able to perform the complex diagnostic assessment, simulator trial, post-operative programming and ongoing aftercare.