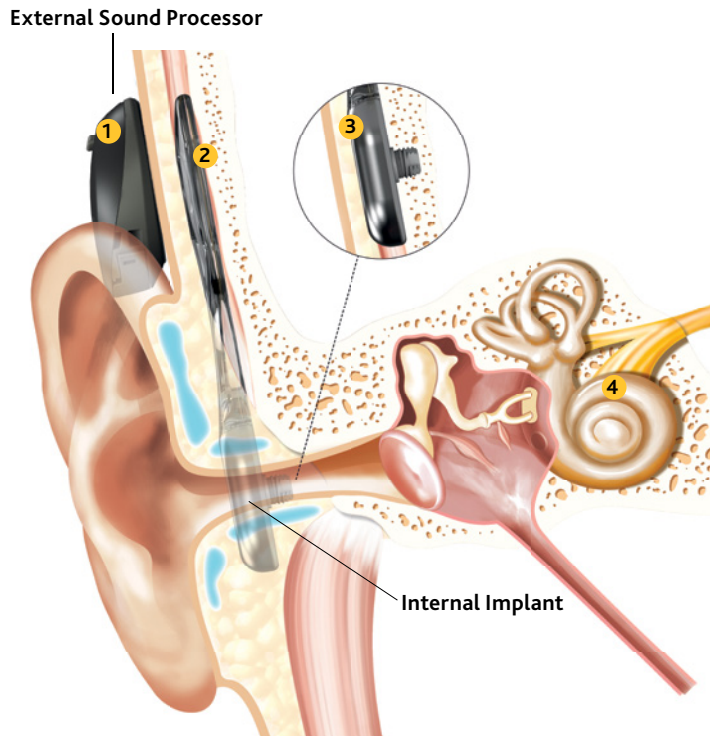


How the Cochlear™ Osia® System Works

For Conductive or Mixed Hearing Loss or Single Sided Deafness (SSD)



- 1 The sound processor captures sound in the environment and digitally analyses the signal.
- 2 The processed signal and power are sent through the skin to the implant.
- 3 The Piezo Power™ transducer vibrates, sending vibrations through the implant to the bone.
- 4 The vibrations travel to the inner ear where they are converted into electrical impulses and sent to the brain to be interpreted as sound.

You may be a candidate for a Osia® System if you answer “yes” to any of these questions:



Osia 2 Sound Processor

- Do you have trouble getting sufficient loudness when using hearing aids?
- Do you battle feedback or distorted sound quality?
- Do you have draining ears?
- Do you have malformed ears or ear canals?
- Do you suffer from sore or irritated ears due to your hearing aids?
- Can you only hear from one side?

Hear now. And always



Understanding Piezo Power™ Technology

For Conductive or Mixed Hearing Loss or Single Sided Deafness (SSD)



The Osia System uses a special Piezo Power transducer that has a component that expands and contracts to create powerful vibrations. Piezoelectricity has been used for years in many products like microphones, high-end speakers and medical equipment, but Cochlear is pioneering its use in hearing implants.

Advantages of hearing with Piezo Power Technology:

- The powerful transducer can help those with hearing loss up to 55 dB SNHL*
- Lifetime testing shows that Piezo Power technology provides powerful and consistent performance over time¹
- Has the ability to vibrate at high frequencies, enabling access to the area of sound most important for speech understanding
- The transducer has a state-of-the-art design when compared to other traditional bone conduction transducers
- Since there is no movement between parts, Piezo Power technology delivers long-term performance and durability

*SNHL means sensorineural hearing level.

1.Goh J. OSi200 Implant Accelerated Life Test Report. D1439967. CochlearBone Anchored Solutions AB, Sweden 2019

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www.Cochlear.com/US

Follow us on    

Cochlear Americas

13059 East Peakview Avenue
Centennial, CO 80111 USA
Telephone: 1 303 790 9010
Support: 1 800 483 3123

New Address Effective April 1, 2020

10350 Park Meadows Drive
Lone Tree, CO 80124 USA
Telephone: 1 303 790 9010
Support: 1 800 483 3123

Cochlear Canada Inc.

2500-120 Adelaide Street West
Toronto, ON M5H 1T1 Canada
Support: 1 800 483 3123