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The Ossiclear® System

Feel the Words



Introducing Dual-Point Bone Conduction

- NON SURGICAL
- INSTANT FIT
- RECHARGEABLE
- HEADBAND-FREE

BRO-SYS-ENAA02 03-11-2026

The clinical challenge

Underserved patients due to lack of pragmatic innovation and tangible results

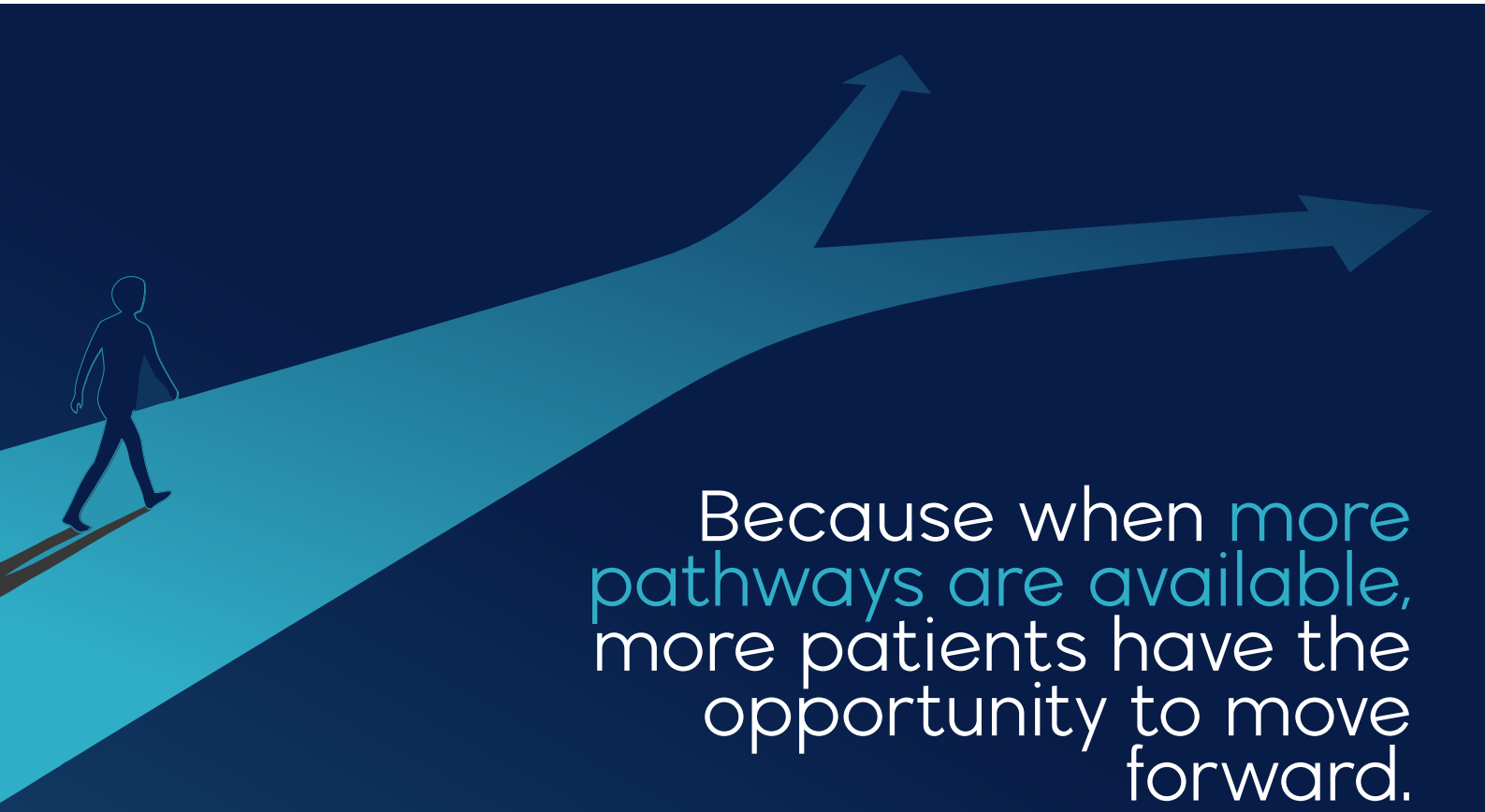
For years hearing care professionals have relied on established treatment pathways for patients with conductive and mixed hearing losses (CHL and MHL) as well as single sided deafness (SSD). While these solutions continue to benefit many individuals, they may not meet the needs, preferences, or expectations of every patient.

Why clinicians need a new option:

Some patients are dissatisfied with traditional amplification. Others may struggle with the limitations of CROS systems, be reluctant to undergo surgery, or simply seek an alternative that better fits their lifestyle and hearing goals.

Every patient deserves an individual treatment approach. Expanding the range of available options enables clinicians to better match technology to each patient's unique needs and preferences.

The Ossiclear System introduces a new non-surgical pathway between traditional hearing solutions and implantable options, helping clinicians serve more patients with confidence while preserving clinical choice.



Because when more pathways are available, more patients have the opportunity to move forward.

Introducing the Ossiclear System

designed to expand treatment options for your patients



The Ossiclear Approach

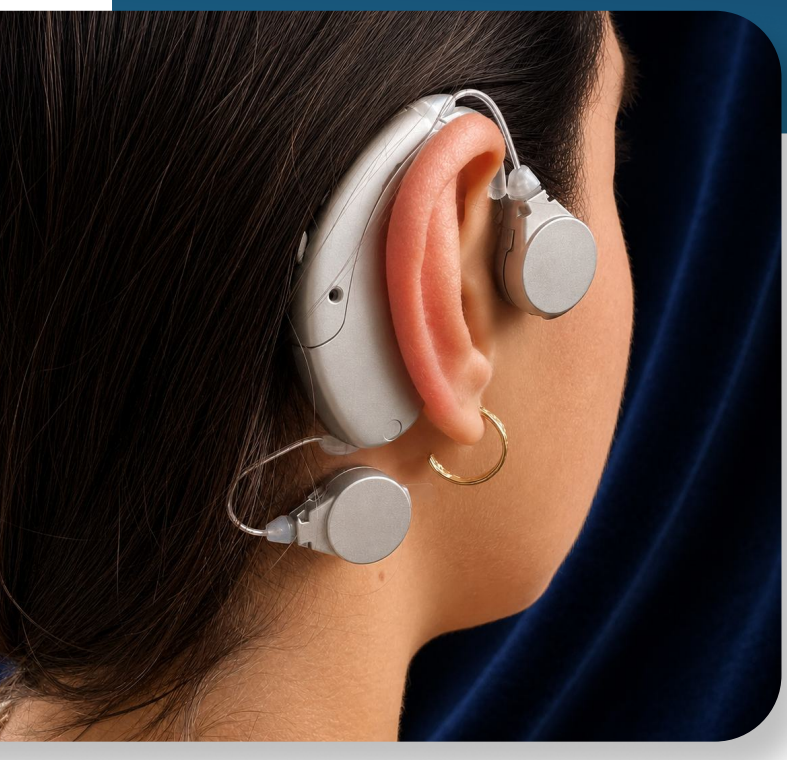
Built on Sounduct's proprietary dual point bone conduction technology, the Ossiclear System is designed to efficiently transmit sound to the cochlea while providing a comfortable, non-invasive fitting experience. The system can be fitted quickly in the clinic, allowing hearing care professionals to evaluate patient benefit without the need for surgery.

It provides clinicians with another option for patients who may not be well served by conventional amplification, are dissatisfied with CROS systems, or are unwilling or unsuitable to pursue implantable solutions.

With its combination of innovative technology, streamlined clinical workflow, and patient-centered approach, the Ossiclear System offers hearing care professionals a new pathway to help more patients move forward

The Purpose of Dual-Point Technology

Complementary mechanical pathways help extend frequency support while distributing stimulation across two contact points.



How does it work?

A BTE shaped device is connected to Sounduct's patented dual point bone conduction transducers. The powerful transducers are comfortably affixed to the skin in the mandibular condyle and mastoid areas using our StickPad retention system.

Ossiclear uses two transducers positioned at different anatomical sites. Both transmit mechanical sound energy toward the cochlea, but each site interacts differently with the surrounding bone and cartilage. Their complementary behavior is designed to support a broader, more balanced listening experience.

Dual Point Bone Conduction Explained

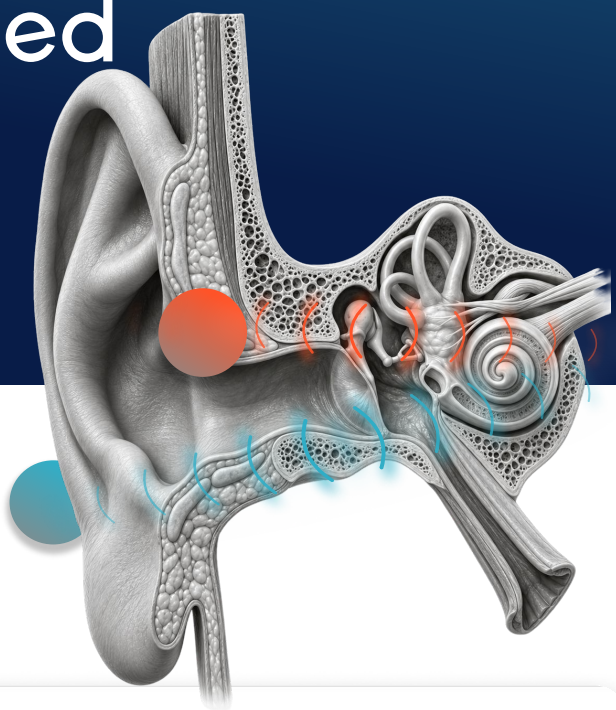
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Mandibular Condyle **200 - 1000 Hz**

Located close to cartilage and the temporomandibular region, this position can reinforce low-frequency transmission. Published evidence in ears with abnormal ear canals reports better thresholds [8] with cartilage stimulation than with mastoid stimulation below 1000 Hz.

Mastoid **1000 - 4000 Hz**

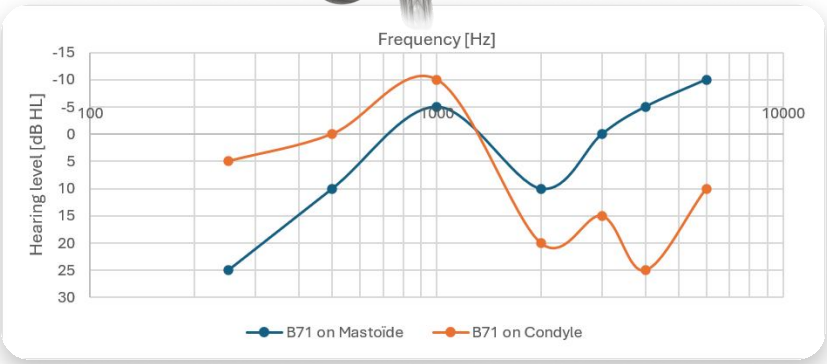
The mastoid uses the established bone-conduction pathway through the skull. It provides the reference pathway for broad-frequency transmission and complements the front transducer across the speech-frequency range.



Two contact points. One coordinated system.

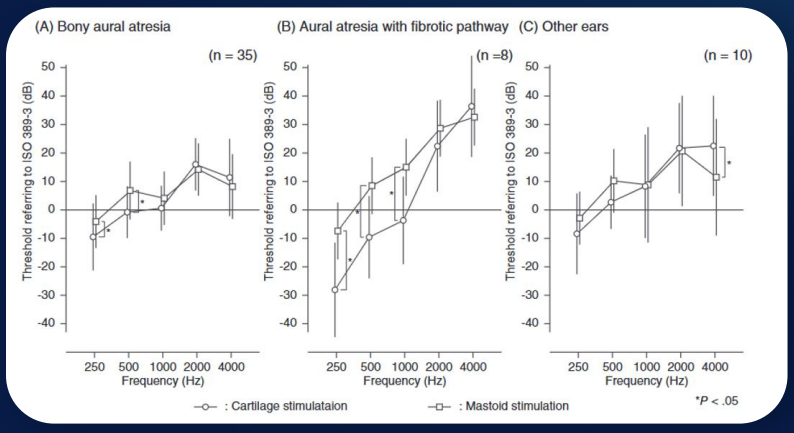
No single contact point performs equally across the full frequency range. Ossiclear combines condyle and mastoid stimulation to leverage their complementary responses.

Sources: [1] , [2] , [3] , [4] , [5] , [6] , [7]



Internal exploratory measurement: single subject, Radioear B71 bone conductor placed at the mastoid and at the condyle. Unpublished data, not obtained with the Ossiclear System and not representative of its performance.

What the Published Data Shows



In this study, cartilage stimulation produced lower thresholds than mastoid stimulation below 1,000 Hz, with the largest difference in ears with fibrotic atresia [8].

Figure from T. Nishimura et al., "Effect of transducer placements on thresholds in ears with an abnormal ear canal and severe conductive hearing loss," Laryngoscope Investig. Otolaryngol., vol. 6, no. 6, pp. 1429–1435, Dec. 2021, doi:101002/lio2.697

Patient Candidacy

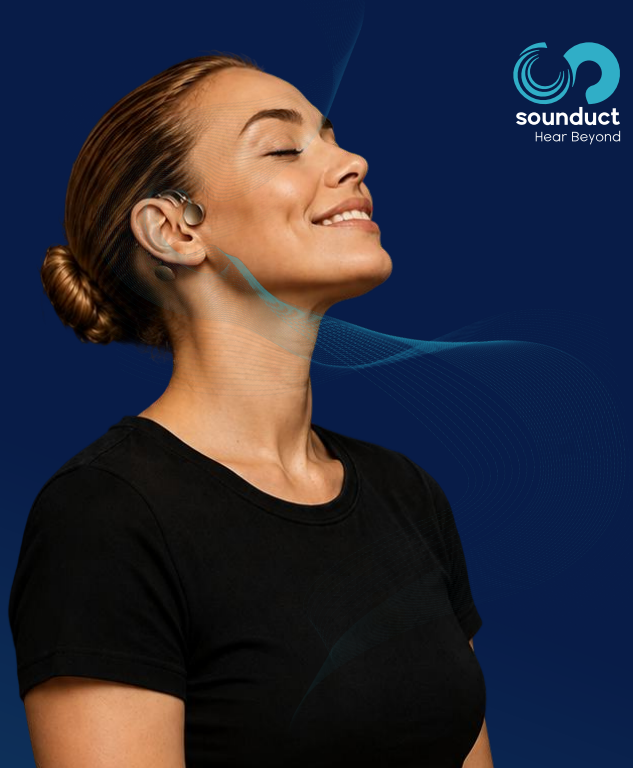
MHL

CHL

SSD

DISSATISFACTION WITH CURRENT OPTIONS

SURGERY AVOIDANCE



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Designed for your patients

Adaptive sound processing:
Real-time noise reduction and adaptive feedback management adjust dynamically to changing sound environments.

Comfortable everyday wear:
Headband-free design held in place by the StickPad retention system.

Dual-point stimulation:
Two transducers positioned at the condyle and mastoid areas, designed to support sound awareness.

Everyday convenience:
The Ossiclear System is rechargeable on-the-go and features Bluetooth connectivity (MFi and ASHA).

Non-surgical option:
Non-surgical and fitted in the clinic, the Ossiclear System can be demonstrated during patient consultations.

The Ossiclear System opens a new treatment pathway and a new conversation with your patients

Clinical benefits

- **Easy counseling and simple operation**
- **Fast and instant fitting** with our Noah based fitting software
- **Suitable for demos** so patients can try the system firsthand
- **Works on its own or via Bluetooth** with your patients' mobile phone microphone, including in hearing amplification mode

Why choose us?



Expand treatment options:
Every practice encounters patients whose needs or preferences are not fully addressed by existing treatment pathways. The Ossiclear System broadens your clinical toolbox with a non-surgical option, enabling you to offer more individualized recommendations and serve a wider range of patients with confidence.

Retain more patients:
When patients feel they have exhausted their options they often seek second opinions or leave without treatment. By offering an additional pathway, your practice can keep more patients engaged and strengthen long-term patient relationships.

Spontaneous acceptance:
Patients are more likely to move forward when they experience a solution firsthand. Because the Ossiclear System can be demonstrated and evaluated during the clinical visit, patients can try it during the clinical visit. This immediate experience helps build confidence, facilitates informed decision-making, and can increase same-day acceptance to the recommended solution.

Practice differentiation:
Innovation attracts attention. Fitting the Ossiclear System demonstrates your commitment to providing the latest hearing solutions and positions your clinic as a destination for patients seeking advanced and individualized hearing care for their complex hearing problems.

New referral generation:
Offering a unique treatment option can create new referral opportunities from physicians, ENTs or other professionals seeking solutions for patients who may not be ideal candidates for conventional approaches or surgery.

Naturally fits into existing workflow:
The Ossiclear System is designed to integrate smoothly into routine clinical practice. Candidate evaluation, fitting, counseling and follow-up can be incorporated into existing appointment schedules, allowing clinicians to introduce a new treatment option without disrupting existing workflows.

Features and Benefits

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Rechargeability with the Ossiclear Dock even on the go, for increased practicality and a cleaner planet

The practical retention system is part of the FDA-cleared Ossiclear System and has been expertly developed and tested to provide all-day comfort and confidence, including in outdoor weather conditions, across different temperatures, and while exercising.

Multiple programs and sound environments
for comfortable all-day hearing

Dual point bone conduction
for complete cochlear coverage and frequency stimulation

15 band digital processing
for rich and environment-tailored sound, no matter where life takes you

Elaborate and state of the art directionally
thanks to an Adaptive Directional Microphone (ADM) system

Four Colors
because style matters the Ossiclear System is available in flattering contemporary colors

Real-time noise reduction
providing continuous analysis of the ambient acoustic spectrum and automated gain attenuation in frequency ranges where the noise signal is identified as problematic.

Active feedback management
thanks to an adaptive Feedback Canceller (FBC)

Ossiclear Smart App

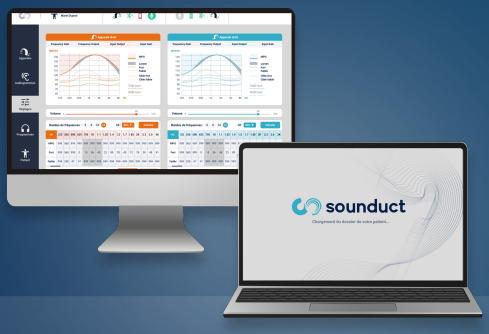


GET IT ON Google Play

Download on the App Store

Patient interaction with the Ossiclear Smart App so your patients can seamlessly control their device in all listening environments.

Professional Software



Intuitive programming with the Ossiclear ProFitting Suite Software offers seamless and precise programming and flexibility

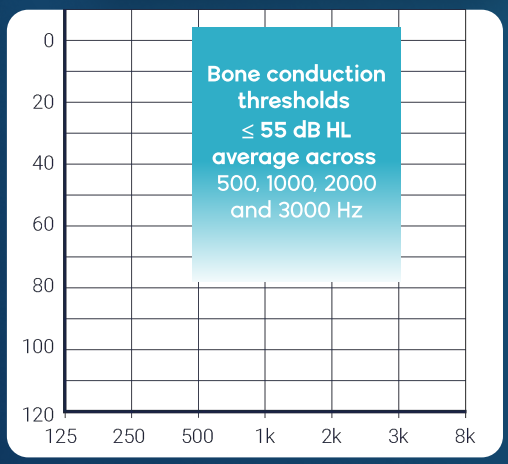
Specification sheet

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The Ossiclear® System

Frequency range	200 - 9000 Hz
Output Vibratory Force Level (re 1µN) (90 dB SPL input)	MAX: 122 dBN / HFA: 112 dBN
Biocompatibility	non-cytotoxic, non-irritant, non-sensitizing
Average battery life	15h
Acousto-mechanical sensitivity – 50 dB SPL	MAX: 36 dBN / HFA: 35 dBN
Reference test acousto-mechanical sensitivity – 60 dB SPL	HFA: 35 dBN
Equivalent input noise	40 dBN
Processing delay	<8 ms
Battery current	~7mAh
Battery size	rechargeable Li-ion battery
Total Harmonic Distortion (@70dB SPL input at 1000Hz)	< 2,5%
Physical dimensions (L × W × H)	2.05 × 1.81 × 0.50 in*
IP classification	IP55
EMC / ESD immunity	Radiated emissions and immunity

Fitting range



The Dock Charger

Weight, including battery & Size

3.95 oz

3.94 × 2.76 × 1.38 in

Battery type

Lithium-ion

Plug

USB C

Time required to charge the DOCK

6h

Number of charges Ossiclear BHD

2x

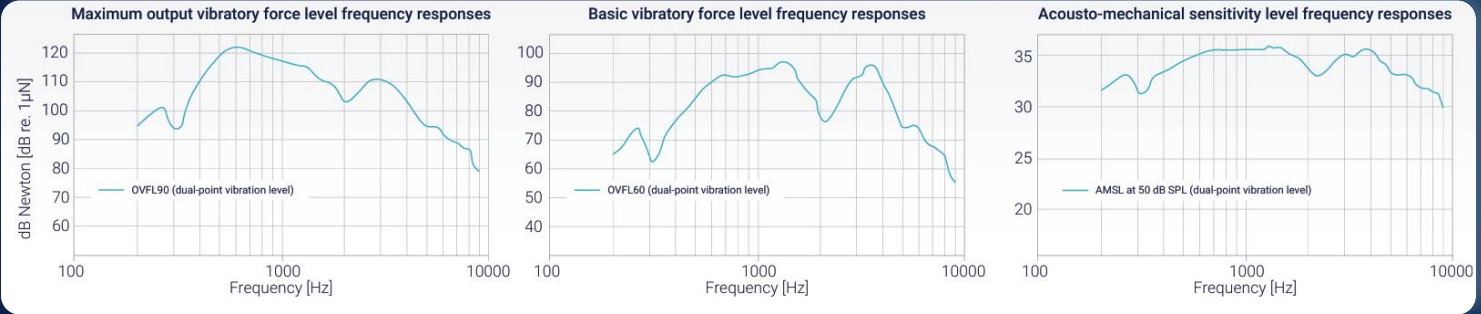
Electrical protection

IEC 60601-1 / -1-2 / -1-11

IP classification

IP 22

Frequency responses, measured on an artificial mastoid type 4930



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7. Wang J, Stenfelt S, Wu S, et al. The Effect of Stimulation Position and Ear Canal Occlusion on Perception of Bone Conducted Sound. Trends in Hearing. 2022;26. doi:10.1177/23312165221130185. (PubMed)
8. Nishimura T, et al. Effect of transducer placements on thresholds in ears with an abnormal ear canal and severe conductive hearing loss. Laryngoscope Investig Otolaryngol. 2021;6(6):1429–1435. doi:10.1002/lio2.697

Indications for Use
The Ossiclear System is indicated for the following patients aged 12 years and older:

- Patients who have a conductive or mixed hearing loss and can still benefit from sound amplification. The pure tone average bone conduction hearing threshold (measured at 0.5, 1, 2 and 3 kHz) should be better than or equal to 55 dB HL.
- Bilateral fitting is intended for patients who meet the above criterion in both ears, with bilaterally moderate to profound conductive or mixed hearing loss. Symmetrical bone conduction thresholds are defined as less than a 10 dB HL average difference between ears (measured at 0.5, 1, 2 and 3 kHz), or less than a 15 dB HL difference at individual frequencies.
- Patients who suffer from unilateral sensorineural deafness in one ear with normal hearing in the other ear (i.e. single-sided deafness, SSD). Normal hearing is defined as a pure tone average air conduction hearing threshold (measured at 0.5, 1, 2 and 3 kHz) of better than or equal to 20 dB HL.
- Any patient who is indicated for an air conduction contralateral routing of signals (AC CROS) hearing aid.

Rx only. The Ossiclear System has been FDA cleared under 510(k) K254296 and is sold only through licensed hearing care professionals. See the Instructions for Use for complete indications, contraindications, warnings, and precautions.

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Manufactured by Sounduct SAS, Strasbourg, France

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