

Tinnitus

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About Tinnitus:

- It is the perception of sound that **does not have an external source**, meaning only the affected individual can hear it.
- **Causes:** It is usually caused by an underlying condition, such as **age-related hearing loss**, an ear injury or a problem with the circulatory system.
- **Symptoms:**
 - It can include **sleep disturbances, depression**, anxiety, irritability, and significant impacts on mental health and social life.
 - It can also cause other types of phantom noises in your ears, including: Buzzing, Roaring and Clicking etc.
- **Treatment:** It may include **hearing aids, sound-masking devices**, medicines, and ways to learn how to cope with the noise.

Key facts about the newly developed device

- This device along with its supporting application software, offers a comprehensive approach to managing tinnitus.
 - It features **precise tinnitus matching**, which helps identify the exact nature and frequency of the sound experienced by the patient.
 - It provides a **customisable, multimodal approach to treatment**, ensuring each patient receives a tailored experience suited to their unique condition.
 - The software also includes tools for **tracking disease progression**, enabling clinicians to monitor patient improvement over time.
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Q1: What is the cochlear implant?

It is a prosthetic device, a part of which is surgically implanted inside the cochlea. Cochlear implants have been found to be beneficial for children and adults with severe to profound hearing loss and steeply sloping hearing loss who do not benefit adequately with hearing aids but have an intact auditory nerve.

Source: IT

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