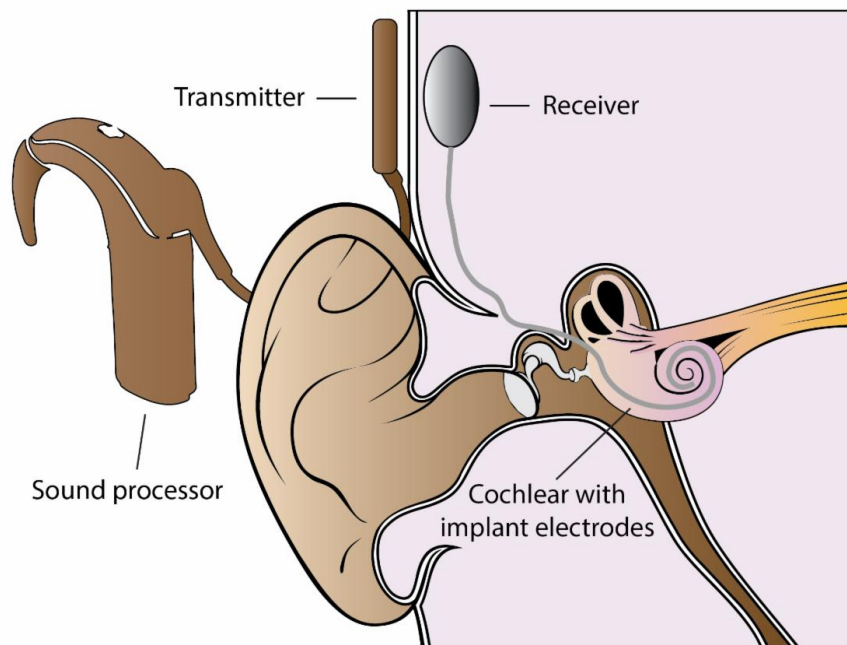


## SOUND OFF - FEBRUARY 2023

### COCHLEAR IMPLANTS: WHEN HEARING AIDS AREN'T ENOUGH

#### PARTS OF A COCHLEAR IMPLANT



Cochlear implants are small, complex electronic devices that consist of two components – an external processor and an internal implant. The processor includes a microphone, speech processor, and a magnet transmitter that sends signal to the implant. The internal implant includes a receiver magnet which turns signals from the speech processor into electric impulses which activate an electrode array inside the cochlea.

#### WHO QUALIFIES FOR COCHLEAR IMPLANTS?

To qualify for a cochlear implant, adults typically have moderate to profound sensorineural hearing loss in both ears and do not get much benefit from amplification (hearing aids) as defined by sentence recognition scores of 50% or less in the ear to be implanted.

Children who qualify typically have severe to profound sensorineural hearing loss in both ears with limited benefit from bilateral hearing aids and scores of 30% or less on the Multisyllabic Lexical Neighborhood Test (MLNT) or Lexical Neighborhood Test (LNT). Considerations for cochlear implants include lifestyle demands such as noisy work environments, passions for music, or public speaking.

Do you think you're a candidate for cochlear implants? Contact the Marion Downs Center to request an appointment for a consultation.



[REQUEST AN APPOINTMENT](#)

## NATIONAL HEARING CONSERVATION ASSOCIATION ANNUAL CONFERENCE 2023



Dr. Caleb Kronen presented twice at the 2023 National Hearing Conservation Association Annual Conference in Jacksonville Florida.

His lecture on "Education & Motivation" showed other audiologists how to effectively motivate noise-exposed workers to protect their hearing. This lecture also went over best practices when it comes to training and educating workers on how to properly use hearing protection.

In the lecture, "Practical Hearing Loss Prevention for Musicians," Dr. Kronen informed audiologists on best practices for helping musicians protect their hearing and the technology available to musicians such as in ear monitors and custom silicone filtered earplugs.

Thank you Dr. Kronen for representing the Marion Downs Center!

## HEART HEALTH AND HEALTHY HEARING



The American Heart Association reports that over 1/3<sup>rd</sup> of the US population (an estimated 92 million Americans) have at least one type of cardiovascular disease, or heart disease. There is mounting evidence from multiple studies that obesity and cardiovascular disease may present a risk to hearing health.

The ear depends on a good healthy blood flow to maintain its function. Cardiovascular disease (CVD) can reduce blood flow to the ear and potentially cause damage to different parts of the auditory system. Sensorineural hearing loss can occur as a result of cardiovascular damage.

Untreated hearing loss can have many negative social and health impacts, including depression, fatigue, social withdrawal, impaired memory, headaches, and muscle tension.

Consider regular hearing tests with an audiologist at least every three to five years if you don't have any noticeable hearing loss. Contact the Marion Downs Center today to request an appointment!

[REQUEST AN APPOINTMENT](#)

## Support Marion Downs Center

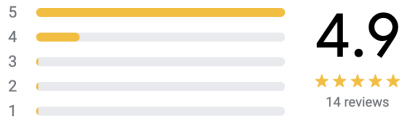



### DONATE YOUR USED HEARING DEVICES

Donate your used hearing aids, cochlear implants or assistive listening devices to someone in need through the Marion Downs Center's financial assistance program.

### Submit A Review Online!

We continue to expand our visibility in the community in different ways. One way you



 Write a review

can help is by submitting a review of our business on Google, Yelp, or Facebook.

[Submit a Google Review](#)

[Submit a Yelp Review](#)

[Submit a Facebook Review](#)

## Donate online through our website

You can make a secure donation directly through our website! Donors can choose whether to make a one-time or recurring donation.

[MAKE A DONATION](#)

Marion Downs Center | [www.mariondowns.org](http://www.mariondowns.org) | [contact@mariondowns.org](mailto:contact@mariondowns.org)

