



**Battery Corrosion  
and Leakage**

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# Sound Bytes

INFORMATION FOR YOUR EARS

## Corrosion and Leakage with Hearing Aid Batteries

Have you ever looked inside your battery compartment and found an unusual coating on your battery? What is causing the battery to fail and will it affect the hearing aid(s) performance? The answers to your questions can be found below. It is important to know the difference between leakage and corrosion to prevent failure of the battery and potentially the hearing aid.

Leakage looks like a white powder coming out of the air vent holes or the seal area where the grommet is in the battery (see Figure 1). This can be caused if the batteries are stored in extreme temperatures. Try to store your devices in an environment not prone to temperature changes. Avoid storing your device in a bathroom or kitchen.

Corrosion, on the other hand, is a bit different from leakage. Corrosion is more of a rust color and it is literally the battery being eaten away. Moisture from refrigeration (do not store hearing aid batteries in the



**Figure 1: Battery Leakage**



**Figure 2: Battery Corrosion**

refrigerator) and perspiration (from normal body heat as well as exercise) can cause corrosion as seen in Figure 2. If one is consistently in very hot temperatures, or perspires excessively, you can purchase a hearing aid saver or dryer, which includes a desiccant that can help to remove moisture from the hearing aids and hearing aid batteries in an attempt to prevent these problems.

# SNORING



STOP IN TODAY  
TO RECEIVE YOUR FREE  
PAIR OF SNORE  
BLOCKERS EARPLUGS!  
(WHILE SUPPLIES LAST)

Do you find yourself lying awake at night listening to your partner snoring? Are you looking for a solution to restore a quiet night of sleep?

There have been a significant number of patients interested in solutions to this very common problem, SNORING. Did you know?

- Approximately 90 million Americans are reported to be snorers according to the National Sleep Foundation
- Snoring can have a detrimental impact on a person's productivity, mood and relationships
- Snoring places loved ones at risk for "second-hand snoring"

What is second-hand snoring? Noise induced hearing loss caused by exposure to the loud snores over a long period of time. In a pilot study performed in Kingston, Ontario, patients who slept next to a snorer for 15 years had a significant noise-induced hearing loss in the ear most exposed to the snoring.

Do not underestimate the importance of a medical evaluation of your loved one. Snoring can be a sign of a more significant health issue. Contact your primary physician to schedule an appointment to discuss this condition.

Here are a few easy solutions to protect your hearing and provide you with a restful night of sleep.



Custom Snore Plugs

## Non-Custom Plugs



Snore plugs are available in disposable and custom varieties. If you are interested in learning more about these products, and getting a better night's sleep, contact Professional Hearing Services to schedule and appointment.

1111 Delafield St. Suite 102, Waukesha  
13900 W. National Ave., New Berlin  
240 Maple Ave., Mukwonago  
1185 Corporate Center Dr., Oconomowoc

Phone: (262) 549-5150  
Fax: (262) 549-1337

## App Corner

The current technology of smart phones, tablets and other mobile devices has made it much easier to communicate and cope with hearing loss. There are now apps available that provide live captioning for face-to-face conversations, phone conversations or even movies. Here are a few of the available apps:

### Closed Capp



"Closed Capp" is live captioning for face-to-face conversations. Currently available for Android phones only.

Cost is .99 cents. More information is available at [www.ClosedCapp.com](http://www.ClosedCapp.com).

### Hamilton Mobile CapTel

Hamilton Mobil CapTel is available for iPhone, Blackberry and Android phones. This app transcribes phone calls into text on your cell phone.



Cost is free for the hearing impaired. Available at [www.hamiltoncaptel.com](http://www.hamiltoncaptel.com).

### Subtitles



Subtitles, for iPhone only, is an app that provides access to subtitles for movies in 20 different languages.

Free from Apple at [www.itunes.apple.com/us](http://www.itunes.apple.com/us)

### ClearCaptions

Clear Captions provides simultaneous voice and captions or captions only. It is available for Androids, and is free at [www.clearcaptions.com](http://www.clearcaptions.com)



Check out the website below for a complete overview of the best captioning apps:

[www.healthyhearing.com/content/articles/Technology/Wireless/47850-The-best-phone-captioning-apps-for-the-hearing-impaired](http://www.healthyhearing.com/content/articles/Technology/Wireless/47850-The-best-phone-captioning-apps-for-the-hearing-impaired)



## Malinda's Lighthearted Hearing Humor

*An elderly gentleman had serious hearing problems for a number of years. He went to the audiologist and the audiologist was able to have him fitted for a set of hearing aids that allowed the gentleman to hear 100%. The elderly gentleman went back in a month to the audiologist and the audiologist said, "Your hearing is perfect. Your family must be really pleased that you can hear again." To which the gentleman said, "Oh, I haven't told my family yet. I just sit around and listen to the conversations. I've changed my will three times".*