

## APD and Amplification

Some researchers believe that anything you can do to enhance the speech signal, will help anyone with any type of auditory processing disorder (APD).

I ascribe to a more-deficit-specific treatment philosophy. The decision to offer a trial with advanced signal-processing hearing instruments and remote microphone technologies should be made on a case-by-case basis. Advanced, signal-processing hearing instruments have state-of-the-art adaptive noise reduction circuits and advanced automatic directional microphones. Remote microphone technologies (such as blue-tooth or FM/DM systems) control for the negative effects of background noise, reverberation and distance between the talker and listener.

In general, people who have deficits in Auditory Discrimination with auditory-figure-ground challenges, that is, difficulty deciphering the speech signal in the presence of background noise, will benefit from an enhanced speech signal and/or reduction of the background noise. People who have other types of APD may or may not benefit from hearing instruments. Anyone who is being considered for hearing instruments and/or remote microphone technologies should have a trial period (or option to return the system) with systematic observation to determine benefit.

<https://www.audiology.org/news/remote-microphones-normal-hearing-and-apd>