

Dr. rer. nat. Dirk Oetting Dipl.-Ing. & Sven Winkler
Hörzentrum Oldenburg & Brillen Müller

Hearing Aid Fitting: Loudness, Speech Intelligibility, and Acceptance – How Are They Connected?

A good hearing aid fitting has several goals: normalized loudness perception, optimal speech understanding, and high acceptance of the hearing aids in everyday life. In practice, these aspects are often considered separately, even though they are closely related. For example, insufficient amplification can impair audibility and speech understanding, while excessive amplification or unfavorable sound settings can reduce the acceptance of hearing aids.

This tutorial explores the relationships between loudness perception, speech intelligibility, and acceptance in hearing aid fitting. Sven and Dirk will demonstrate how different measurement methods can be used to assess these dimensions and optimize the hearing aid fitting process.

Using practical examples from hearing aid fitting, the tutorial illustrates how loudness, speech, and acceptance can be combined to achieve a patient-centered hearing aid fitting. The aim is to strengthen the understanding of the interactions between these three dimensions.