

原著

補聴器装用時の騒音感について

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Research on Uncomfortable Sounds for Persons with Hard of Hearing when wearing Hearing Aids

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Abstract

This study discusses what kind of environmental noises were appropriate for hearing-aid fitting service. Subjects were 70 hard of hearing adults and 15 deaf school students. Various noises were presented and they answered whether the test noises were uncomfortable or not. The noises determined uncomfortable were investigated how deeply related to the following four factors: 1) the degree of hearing acuity, 2) types of audiogram, 3) persons with acquired hearing impaired or deaf school students with prelingual hearing impaired, 4) duration of hearing aid usage. Two findings were derived from this study. One was each uncomfortable sound was influenced from the four factors respectively. The other was almost all of the subjects felt the test noises uncomfortable if the main frequency component was contained within the frequency band which showed larger hearing loss in audiogram.

要約

補聴器適合に用いる環境音を選択するにあたり、難聴者が騒音感を訴える音を調査した。70例の成人難聴者と15例の聾学校在籍児を対象とした。そして ①聴力レベル ②聴力型 ③中途難聴と聾学校生徒 ④装用期間という観点から不快とする音を分類した。その結果、2つの知見が得られた。第一は、先述の4つの条件で騒音感を覚える音が異なっていることであり、第二は聞こえの低下している帯域に主要成分を持つ環境音にほとんどの難聴者が騒音感を覚えることであった。