



Metabolic Disorders and Sensorineural Hearing Loss

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Message from the Guest Editors

Dear Colleagues,

Sensorineural hearing loss is an important public health problem whose prevalence has increased as life expectancy has become longer, resulting in a lower quality of life. Established causes of hearing loss include genetic predisposition, vascular causes, infections, ototoxic drugs and exposure to excessive noise, but the determinants of most cases of ageing-related hearing loss are not entirely certain.

Metabolic syndrome (MetS) is a cluster of co-occurring conditions that increase the risk of heart disease, stroke and type 2 diabetes, along with other conditions that affect the blood vessels, including hearing loss. Moreover, the number of components of the metabolic syndrome is positively correlated with the rate of sensorineural hearing loss.

Due to ageing of the world population, metabolic disorders are increasing, and with them the potential number of people affected by hearing loss.

To date, few studies have examined the link between metabolic disorders and the causal relationship between diabetes mellitus, and hearing loss has still not been established in large longitudinal cohort studies.





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