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Original Article

# Dynamic Behavior of the Middle Ear Based on Sweep Frequency Tympanometry

Original Papers

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# **Abstract**

A measuring apparatus was developed; its probe tip, which exhibits flat frequency characteristics, enables this apparatus to measure the absolute sound pressure and absolute phase variations versus both sweeping frequency and external auditory canal pressure. Although it is difficult to diagnose ossicular chain separation and fixation from the commonly used tympanograms with a low probe tone frequency (e.g. f = 220 Hz), the results obtained with this apparatus enable one to clearly distinguish patients with

ossicula

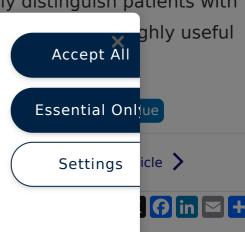
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### Multifrequency Tympanometry >

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