



Postural control in Menière's disease

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ABSTRACT

Introduction: Menière's disease is a condition that presents dizziness, hearing loss, tinnitus and aural fullness. **Objective:** To evaluate the body balance of patients with Meniere's disease by means of a static posturography. **Method:** An experimental group with 34 patients diagnosed with defined Menière's disease and a control group with 34 healthy individuals, were submitted to posturography of the Tetrax Interactive Balance System (Tetrax IBS™) in eight sensory conditions. The parameters analyzed were: stability index; weight distribution index; synchronization index of right / left postural and toe / heel oscillation; postural oscillation frequency; and fall risk index. **Results:** The stability index was higher in the experimental group with a significant difference between the groups in all sensory conditions tested.

The risk of falls was significantly higher in the experimental group (44,24%) than in the control group (16,35%). **Conclusion:** Patients with Menière's disease presented impaired body balance on a static posturography, characterized by changes in stability and postural oscillation and risk of fall.

BIOGRAPHY

Adriana Marques da Silva completed her doctorate in 2019 at the Federal University of São Paulo/Escola Paulista de Medicina. Professor of the Speech Therapy Course at Faculdades Metropolitanas Unidas since 2015. She works with Hearing and Balance Assessment and Rehabilitation.

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