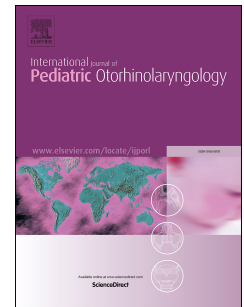


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Vasiliki (Vivian) Iliadou, Jeffrey Weihing, Gail D. Chermak, Doris Eva Bamiou



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Otoacoustic emission suppression in children diagnosed with central auditory processing disorder and speech in noise perception deficits

Running Title: OAE suppression in children with CAPD

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Abstract

Objective: The present study was designed to test the hypothesis that medial olivocochlear system functionality is associated with speech recognition in babble performance in children diagnosed with central auditory processing disorder.

Method: Children diagnosed with central auditory processing disorder who specifically demonstrated speech in noise deficits were compared to children diagnosed with central auditory processing disorder without these deficits. Suppression effects were examined across 15 time intervals to examine variability. Analysis of right and left ear suppression was performed separately to evaluate laterality.

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