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Cervical vestibular-evoked myogenic potential (c-VEMP) in the evaluation of schistosomal myeloradiculopathy

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Schistosomal myeloradiculopathy (SMR) is the most severe and disabling form of schistosomiasis. The diagnosis is based on clinical, laboratory and image data. Vestibular-evoked myogenic potential (VEMP) is a neurophysiologic test that assesses the vestibulospinal pathway through acoustic or galvanic stimuli. The aim of this study was to evaluate cervical spinal abnormalities in patients with SMR. Fifty-two (52) subjects were evaluated, of whom 29 had SMR and 30 did not (normal control). Normal VEMP was observed in all volunteers without SMR. Abnormal VEMP was recorded in 34% of the group with SMR. After treatment, abnormal VEMP was found in 80% of those with persistent neurologic abnormalities. VEMP is a functional test and the alteration may precede image abnormalities. This procedure may be useful for early diagnosis of schistosomal cervical spinal cord involvement.

Biography

Lilian Felipe has worked as a PhD Researcher in Health Sciences in the field of Audiology and Otoneurology in Brazil and Netherlands. She has experience in the field of audiology and vestibulology. Her research interests are audiology diagnosis and treatment, vestibular system (evaluation and treatment of dizziness), elderly, public/social health. Currently, she is a Coordinator and Chair Professor in Fluminense Federal University at the Speech Therapy and Audiology Department.

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