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Audiovestibular profile of vestibular migraine patients

Reham Rafei El-Shafei
Fayoum University, Egypt

Currently a new clinical entity which is vestibular migraine has become a very common disorder. The objective of our study is to describe the auditory-vestibular findings in vestibular migraine; which could play a major role in facilitating diagnosis and creating better awareness of the condition. This study included 50 adults which were divided into 2 groups: The cases group consists of 40 adults, suffering from vestibular migraine and the control group which comprised 10 adult migraineurs. The entire study group was subjected to basic audiological and vestibular assessment. The results showed 77.5% of bilateral within normal peripheral hearing within threshold level and 22.5% revealed hearing loss. Regarding vestibular assessment; all cases and controls were subjected to VEMP, VNG tests and SOT testing. The caloric test gave us the highest percentage of abnormal results 47.5%, followed by VEMP 30%. Positioning test revealed abnormality in 12.5%, positional test gave 5% abnormality and only 1 case showed down beating post head shakes. There appears to be no typical pattern in vestibular testing for establishing a diagnosis of vestibular migraine, which reinforces even further the need for a carefully taken clinical history and audiometric assessment.

Biography

Reham Rafei El-Shafei has completed her MD in Audiovestibular Medicine from Cairo University and also Postdoctoral studies from Cairo University and Fayoum University, School of Medicine, Egypt. She has been working in Audiovestibular Unit since 15 years; has 15 years of experience in diagnosis, treatment and rehabilitation of dizzy patients and hearing impaired patients, 3 years of experience in the treatment cochlear implant patients and 7 years teaching experience in Audiovestibular Medicine for undergraduates and postgraduates students.

rrs00@fayoum.edu.eg

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