

Video Head Impulse Test



최 서 영

부산대병원 신경과

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Head impulse test (HIT) is the simplest and a powerful bedside examination for an evaluation of high-frequency angular vestibulo-ocular reflex (VOR). Also, HIT can detect separately a loss of function from any single semicircular canal. The corrective saccadic eye movements, which are usually overt saccadic movements during fast turning of patient's head, would mean the impaired VOR. However, the detection of the eye movements can be dependent to the proficiency of examiners, some other condition of patients, and more. Even, in some cases, this subjectivity may confuse to a patient's final diagnosis. Recently, the quantitative and objective measurement for high-frequency angular VOR can be detective using video-HIT equipment easily and noninvasively. Video-HIT can detect not only overt corrective saccadic movement, but also covert catch-up saccades and impaired gain of angular VOR. Although interpretation of the results may be induced to a different point of view, and clinical implications from the results should be more discussed, but it is certain that video-HIT can provide more information about the vestibular system to clinicians.

Key Words: Head impulse test, Vestibulo-ocular reflex, Catch-up saccadic movement

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