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Neurology Update: Neuro-otology

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Vestibular disorders manifesting as vertigo, dizziness and imbalance are common problems in neurological practice.

In this session, We will review recent topics in department of Neuro-otology, especially in vestibular function test.

First, we review some recent interesting and important advances- four common clinical situations in diagnosis of vestibular disorders using the video head impulse test (vHIT).

- (i) vHIT during an acute vestibular syndrome
- (ii) vHIT after an acute vestibular syndrome
- (iii) vHIT with recurrent vertigo attacks
- (iv) vHIT in chronic imbalance

Second, Cervical and ocular vestibular evoked myogenic potential (VEMP) may be one of the important clinical tools for evaluation of vestibular function. Cervical VEMP evaluates saccule and reflects the functional status of inferior vestibular nerve combining with vertical head impulse test. Ocular VEMP assesses utricle function and provides superior vestibular nerve function in addition to horizontal head impulse test and caloric test. Currently, the clinical implications of VEMP have been expanded to estimate disease severity and location, differentiate diverse vestibular disorders, and predict the prognosis.

Key Words: Video head impulse test (vHIT), Cervical and ocular vestibular evoked myogenic potential (VEMP), Vestibular disorders

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