Science **made** smarter

VORTEQ™ Diagnostic Package

This package is designed for audiologists and other professionals who diagnose and treat common vestibular disorders. It is ideal for clinics that do not have a lot of extra space. This package adds more functionality to your system without having to add much in terms of hardware. The package can be added on to your existing VisualEyes™ 525 system and includes:

1. VORTEQ™ Video Head Impulse Test (vHIT)
2. VORTEQ™ Active Head Rotation (AHR)

VORTEQ™ vHIT combined with VNG goggles
This combination uses the innovative and wireless sensor mounted to your VNG goggles. This allows you to perform vHIT using your current VNG goggles, providing the advantage of analyzing both eyes during the vHIT. The results from this testing can be combined with your complete VNG test battery to assist in the differential diagnosis of your patient.

VORTEQ™ AHR
The VORTEQ™ AHR test is also performed with the new wireless sensor attached to your existing VNG goggles. The patient moves their head to the beat of a metronome and the software measures gain, phase and symmetry of eye and head movements up to 5 kHz horizontally and 3 Hz vertically.

Interacoustics

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VORTEQ™ Assessment Package

This package is designed for physical therapists and other professionals who diagnose and treat common vestibular disorders. It is ideal for those with limited space who want to add more functionality without the need for a lot of extra equipment. With the VORTEQ™ sensor, you get more objective assessments compared to conventional bedside tests. The package can be added on to any existing VisualEyes™ system from a Video Frenzel to a full VNG system and includes:

1. Wireless head sensor and headband
2. The BPPV tests
    a. The Advanced Dix Hallpike Test
    b. The Lateral Head Roll Test
3. The Vestibulo-Ocular Reflex (VOR) Tests
    a. Dynamic Visual Acuity Test (DVA)
    b. Gaze Stabilization Test (GST)
    c. Functional Vision Head Impulse Test (fvHIT™)

BPPV tests
The sensor is attached to the goggle and communicates with a 3D head model to guide you through the steps of the Dix Hallpike and Lateral Head Roll tests. There is a step guide that will help you properly position your patient for the test. When your patient's head is in the correct position, the bar will turn from orange to green. The exact degree of head position is also displayed to provide additional information about accurate positioning of the patient. The torsional algorithm provides objective results to quantify the BPPV.

VOR Tests
The sensor is attached to a head-mounted band and allows for both static and dynamic testing (DVA and GST), supplying you with objective data for the functional assessment of the VOR in response to everyday head movements. The Functional Vision Head Impulse Test (fvHIT™) provides functional information on gaze stability in response to quick head impulses.

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