



Assess all six  
semi-circular canals



# Greater precision – faster diagnosis



The head impulse test (HIT) provides quick, clear-cut side of lesion specific assessment of the vestibulo-ocular reflex response to stimuli in the high-frequency range, the natural range of head movements. It is the only test that can assess all six semicircular canals. ICS® Impulse from Otometrics is the world's first vHIT device to combine gold-standard accuracy with unrivaled patient comfort, enabling you to perform head impulse testing with inarguable results. Fast, simple and precise, ICS Impulse is recommended as the first step in analysis, helping to improve your workflow and spend more time on patient care.



## ICS Impulse: The result of decades of research

### All 6 semicircular canals validated against Scleral Search Coils

ICS Impulse is the only vHIT system validated in the horizontal and vertical planes, and approved by Drs. Halmagyi and Curthoys.

### Suppression Head Impulse Paradigm (SHIMP) for residual vestibular function

SHIMP provides complementary information to help determine if there is paralysis or paresis of the lateral semicircular canal, enabling more efficient patient management programs and rehabilitation therapies.

### Accurate calculation of gain analysis

Human error during testing, including goggle movement, can cause bump artefacts making data interpretation difficult and less precise. ICS Impulse vHIT calculates gain using the wide window method. This method of calculating gain removes artefacts and helps ensure accurate data for precise interpretation of the results.

### Comprehensive Age Normative Data

Analysis gain graph has built-in published age normative data – for ages ranging from 10 to 99 with ten year intervals – allowing even small losses of canal function to be detected and managed.

### Head Position and Operator Feedback during LARP/RALP testing

Eye position and head position can impact the accuracy and purity of the data collected during LARP/RALP. ICS Impulse vHIT ensures accuracy through an onscreen avatar that not only reflects proper head alignment of 30 to 40 degrees, but also the patient's eye alignment to the initial center gaze position. Unique proprietary algorithms calculate the data from the canals without the torsional eye movement, resulting in better data and results.

### Comprehensive reporting, 2D, Hex Plot or 3D

View analysis in 2D, Hex Plot or 3D. A 360° 3-D picture facilitates easy identification of saccades. The Hex Plot allows you to visualize the results from all six semicircular canals. Chart progress by comparing results from multiple test sessions facilitating monitoring of vestibule-toxicity or canal paresis rehabilitation program.

Start helping more vestibular patients today



Visit [ICSImpulse.com](http://ICSImpulse.com) for more product information, training and webinars.

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