



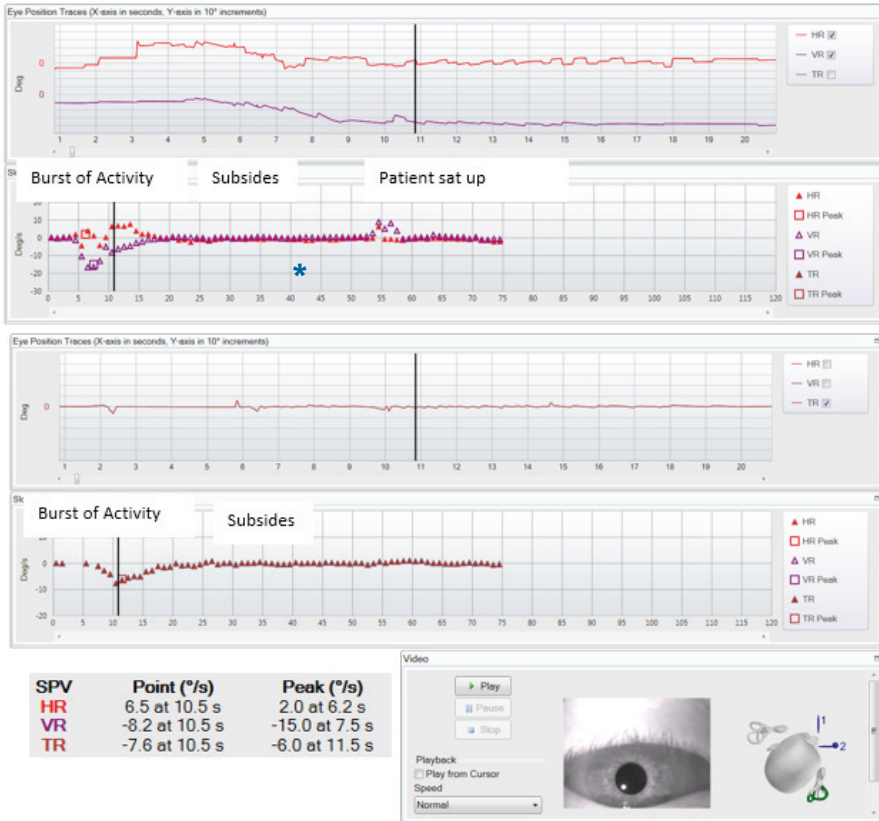
3D Nystagmus Analysis



Greater precision – faster diagnosis



The ICS® Impulse Positional and Oculomotor modules allow you to measure all dimensions of eye movement – horizontal, vertical and now torsional providing more accurate diagnosis and monitoring of vestibular patients.



With ICS Impulse 3D Nystagmus Analysis:

- Multiple arcs track torsional eye movement obtaining accurate torsional eye position data
- Real time analysis saves time with access to 3D Nystagmus Analysis immediately after data collection
- Quantify the degree of torsional nystagmus – unique SPV algorithm enables identification of even weak nystagmus beats
- Torsional analysis developed in collaboration with University of Sydney

Accurate measurements of torsional eye movement improves diagnostic accuracy

1. Assessing if a lesion is central or peripheral is dependent on the ability to measure torsional nystagmus along with horizontal and vertical. Patients with focal lesions involving the vertical canals or one branch of the vestibular nerve produce torsional spontaneous nystagmus. Patients with some central abnormalities exhibit abnormal torsional eye movements. However, unlike horizontal and vertical eye movements, oculomotor testing is currently not performed for torsional eye movements. Measuring torsion provides an opportunity to perform quantified oculomotor testing.
2. Quantitative torsional analysis provides additional information about different types of BPPV and the effectiveness of the treatment method. Just as the intensity of horizontal nystagmus can provide information about the level of static compensation, the intensity of torsional nystagmus provides additional information about the time course of the disease.

Start helping more vestibular patients today



Visit ICSImpulse.com for more product information, training and webinars.



Natus Medical Denmark ApS. +45 45 75 55 55. otoinfo@natus.com
 Natus Medical Incorporated. 1-800-289-2150. otosales.us@natus.com
www.otometrics.com



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