



Spectra

Version: 1.0.1

Name: [REDACTED]
Age: 48
Gender: F
Date: 06/24/2010

Patient ID: E0007
SSN:
Chart No:

Description

The Vestibular Autorotation Test (VAT®) is a clinical test of the high frequency horizontal and vertical vestibulo-ocular reflex (VOR). The primary function of the VOR is to stabilize the eyes to allow clear vision during motion, including normal daily life activities such as walking, bending and turning. The sensation of dysequilibrium or dizziness can occur if the VOR does not function properly. During the VAT® test, the patient is asked to move his head side to side or up and down to a computer generated tone. Electrodes record eye movements and two micro sensors record the head motion. The first portion of the test evaluates the smooth pursuit system. The second portion of the test measures the responses of the inner ear (gain, phase and asymmetry). A minimum of three tests are performed. Abnormal results are reported when the patient's data values fall above or below two standard deviations of the normative data range. Tests from 2-6 Hz, are a test of the peripheral vestibular system.

Vestibular Autorotation Test (VAT®) Results

Horizontal Gain:	<i>WNL</i>	Vertical Gain:	<i>WNL</i>
Horizontal Phase:	<i>High</i>	Vertical Phase:	<i>High</i>
Asymmetry:		Saccades:	

Data Interpretation

Horizontal gain is within normal limits. Vertical gain is within normal limits. The VAT® horizontal and vertical phases higher on the graph relative to the normal range (reaction time of the eye movements in response to the head movements) indicate that the VOR responds too quickly to keep the eyes on target. The patient will experience oscillopsia (movement of the visual field) during faster movements.



855-565-2500

Signature: _____ ;

Referring Physician:



Spectra: Vestibular Autorotation Test (VAT)

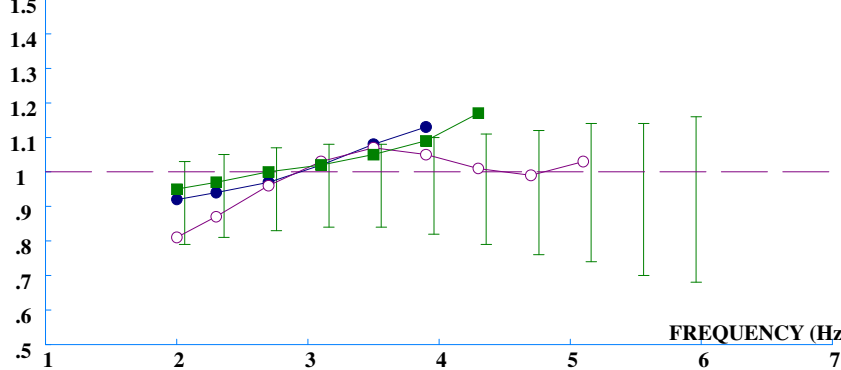
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[REDACTED], 48yr, 48In, 06/24/2010, E0007

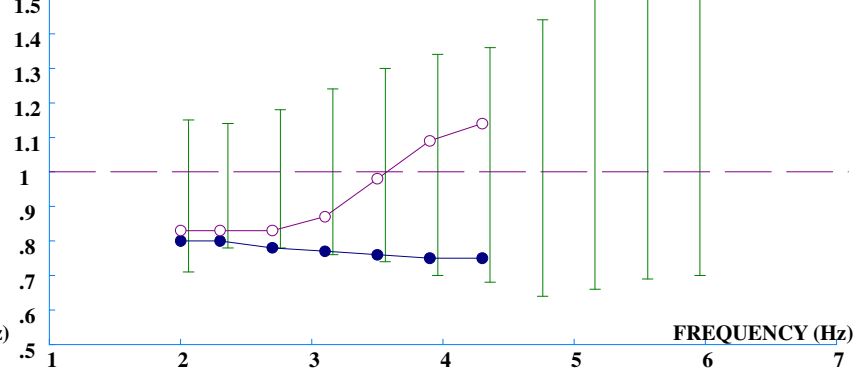
ALL TESTS

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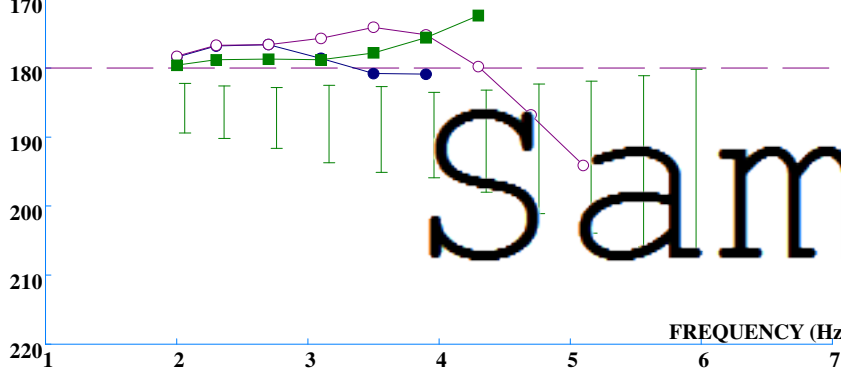
HORIZONTAL GAIN STD = 2



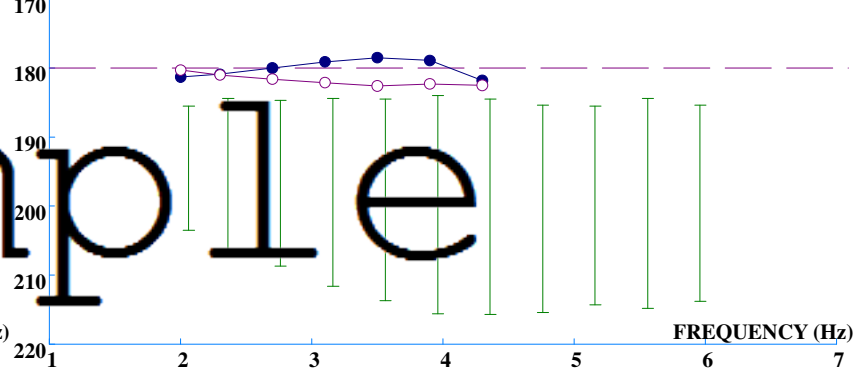
VERTICAL GAIN STD = 2



HORIZONTAL PHASE (DEG) STD = 2

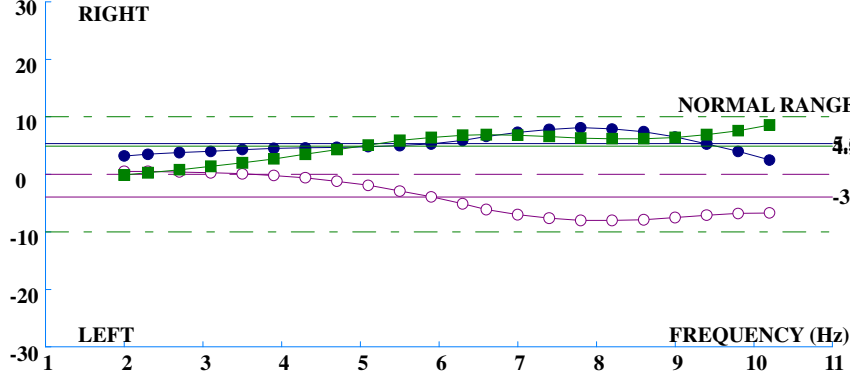


VERTICAL PHASE (DEG) STD = 2

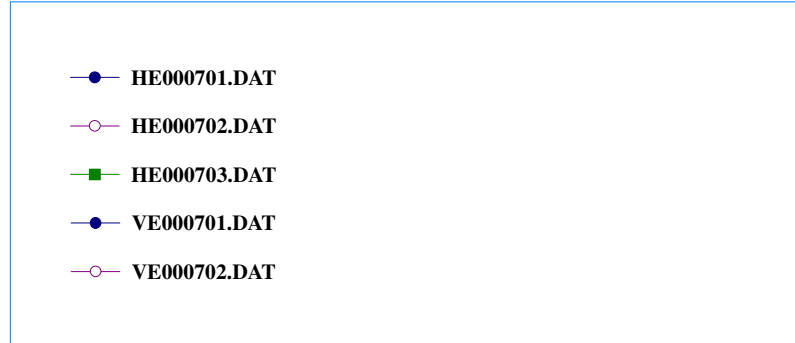


Sample

PERCENT HORIZONTAL EYE ASYMMETRY



LEGEND





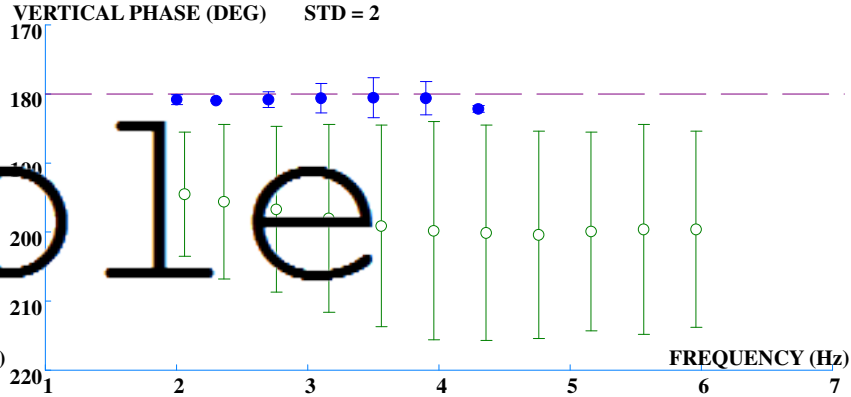
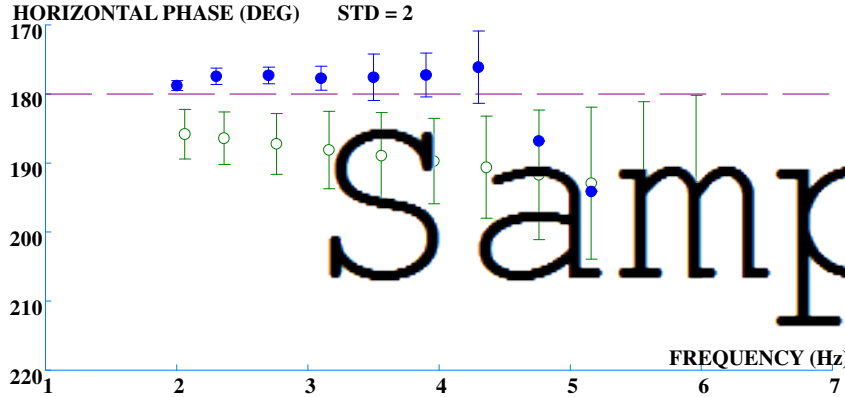
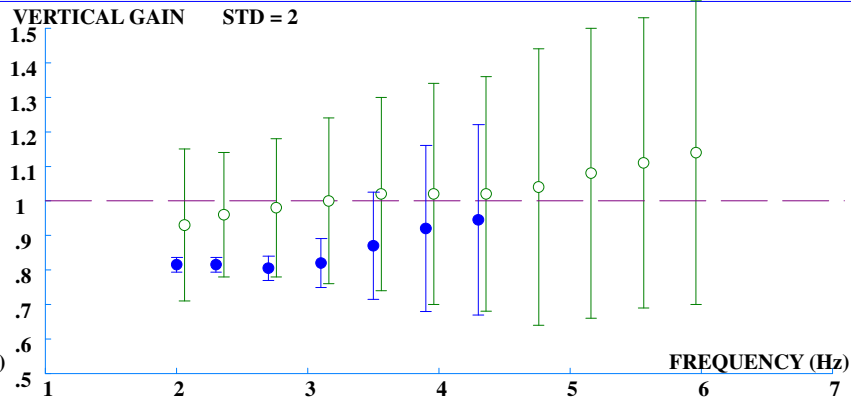
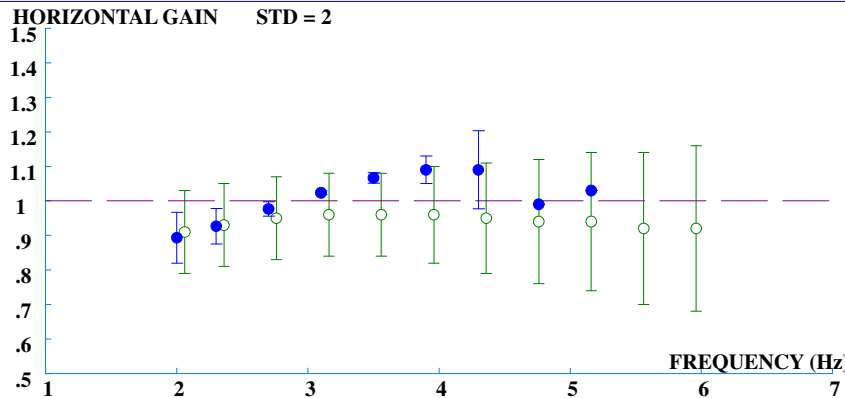
Spectra: Vestibular Autorotation Test (VAT)

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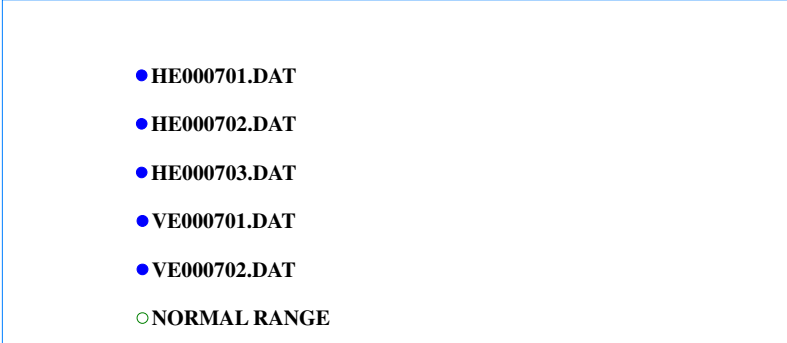
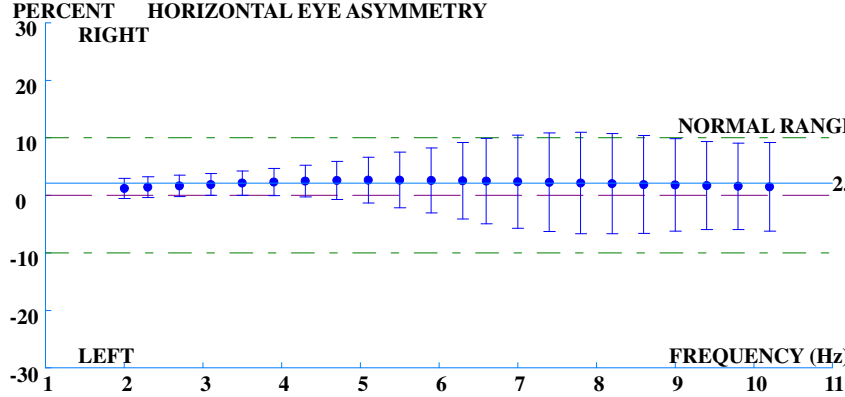
██████████ A, 48yr, 48In, 06/24/2010, E0007

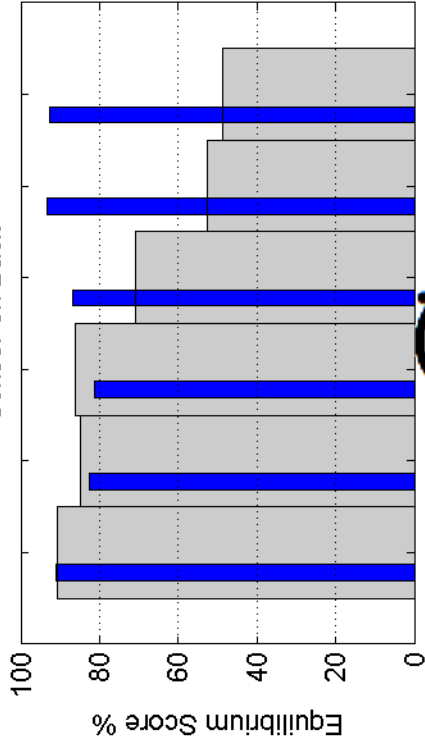
MEAN & STANDARD DEVIATION

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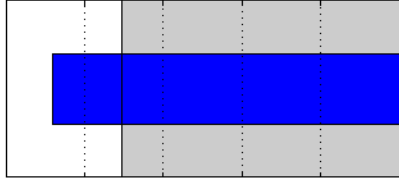


Sample





Composite

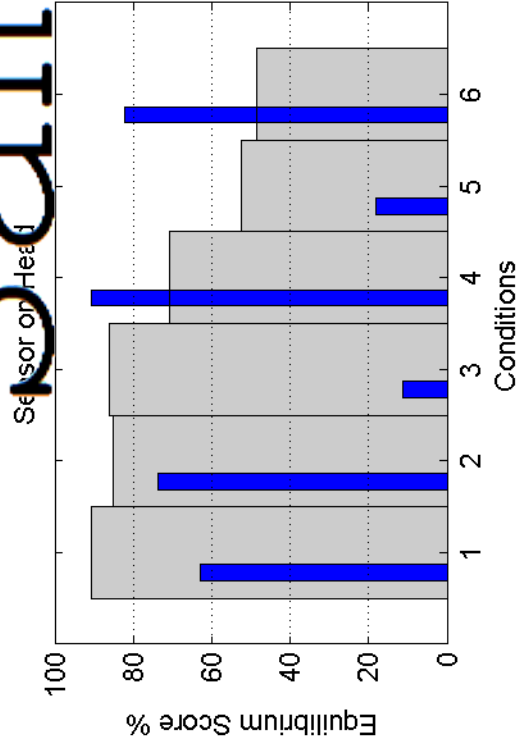


Gray: Normal boundaries Blue: Equilibrium score

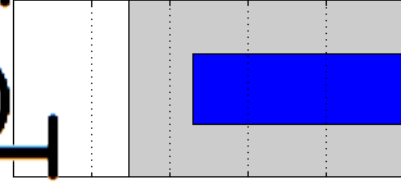
Test Conditions:

1. Romberg open stance eyes open
2. Romberg open stance eyes closed
3. Tandem Romberg RIGHT foot forward eyes open
4. Tandem Romberg RIGHT foot forward eyes closed
5. Tandem Romberg LEFT foot forward eyes open
6. Tandem Romberg LEFT foot forward eyes closed

Sample



Composite



A RED BAR INDICATES A FALL.

Normative Values
> 70.4% pass
< 70.4% fail