

VNG^{3D}



VNG 3D

Videonystagmography +
VHIT All in One System

FULL DIAGNOSIS

- VHIT (Video Head Impulse Test).
- Spontaneous.
- Posturals (Dix Halpike).
- Calorics.
- Visual Stimulated test: saccades, random saccades, smooth pursuit (sinusoidal), optokinetic (left and right), gaze.
- Active head rotation (AHR).
- 3D position of patient and quality control test.
- Telemedicine capability.
- Dizziness handicap index.



ALL YOU NEED IN ONE SYSTEM

Tests

- ☐ Spontaneous (20)
- ☐ Saccades Remembered 0,2hz (30)
- ☐ Saccades Remembered 0,4hz (30)
- ☐ Smooth 0,2hz (20)
- ☐ Smooth 0,4hz (20)
- ☐ Smooth 0,6hz (20)
- ☐ OKN Horizontal 10°/s (25)
- ☐ OKN Horizontal 20°/s (25)
- ☐ OKN Horizontal 30°/s (25)
- ☐ Gaze (80)
- ☐ AHR (60)
- ☐ VHIT Lateral (20) (60)
- ☐ VHIT LARP (20) (60)
- ☐ VHIT RALP (20) (60)
- ☐ Supine (60)
- ☐ Dix Hallpike Left (100)
- ☐ Dix Hallpike Right (100)
- ☐ Calorics Warm Left (95)
- ☐ Calorics Warm Right (95)
- ☐ Calorics Cool Left (95)
- ☐ Calorics Cool Right (95)

THE TRUE USER FRIENDLY VNG

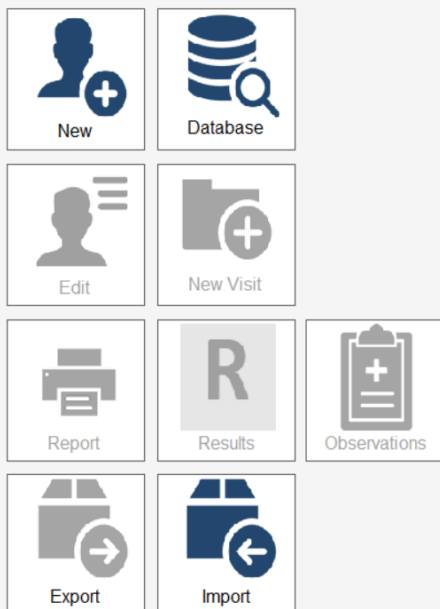
- 3D position alarm system
- Telemedicine capability
- Reproducibility
- Online support
- Compact and portable system

VNG 3D

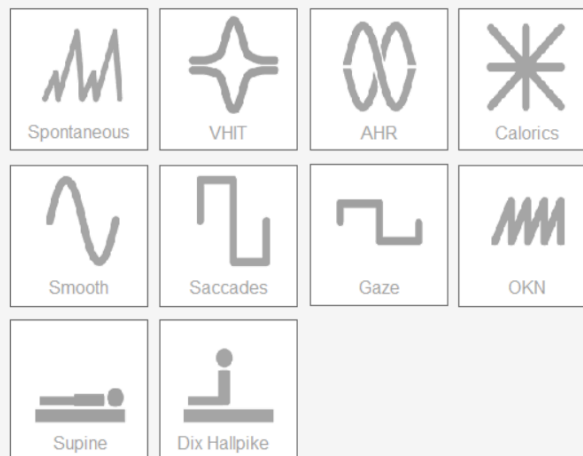
Videonystagmography + VHIT All in One System

- Compact unit and convenient USB connections to computer using windows (minimum specifications required).
- Ultra slim light weight goggles with 2 infrared Cameras.
- VGA visual stimulator.
- Ultrasound sensors for positioning of patient: to monitor distance and altitude to screen.
- Special alarm system that monitors proper test performance.
- Automatic Ecleris Smart Pupil detection system (automatic calibration).
- Easy to create and modify protocols.
- Built in animated video tutorials.
- Printed and/or video online reports.
- User friendly software.
- Training and online consulting available.

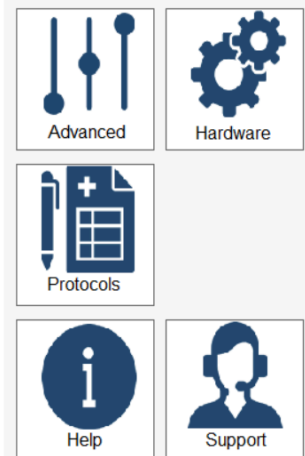
PATIENT



TESTS - PROTOCOL: COMPLETE_DEFAULT



SETUP



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3D POSITION DEVICE

- **ULTRASOUND POSITIONING SENSORS:** MONITORS PATIENT POSITION IN 3D TO VERIFY CORRECT DISTANCES TO THE VISUAL SIMULATOR.
- **ELECTRONIC GYROSCOPE CONTROL UNIT:** MONITORS HEAD MOVEMENTS AND 3D POSITION FOR MANEUVERS QUALITY CONTROL AND ARTIFACT DETECTION.
- **ACCELEROMETER:** ALLOWS HEAD VELOCITY MONITORING AND VIDEO HEAD IMPULSE TEST.

VHIT 6 CHANNELS



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