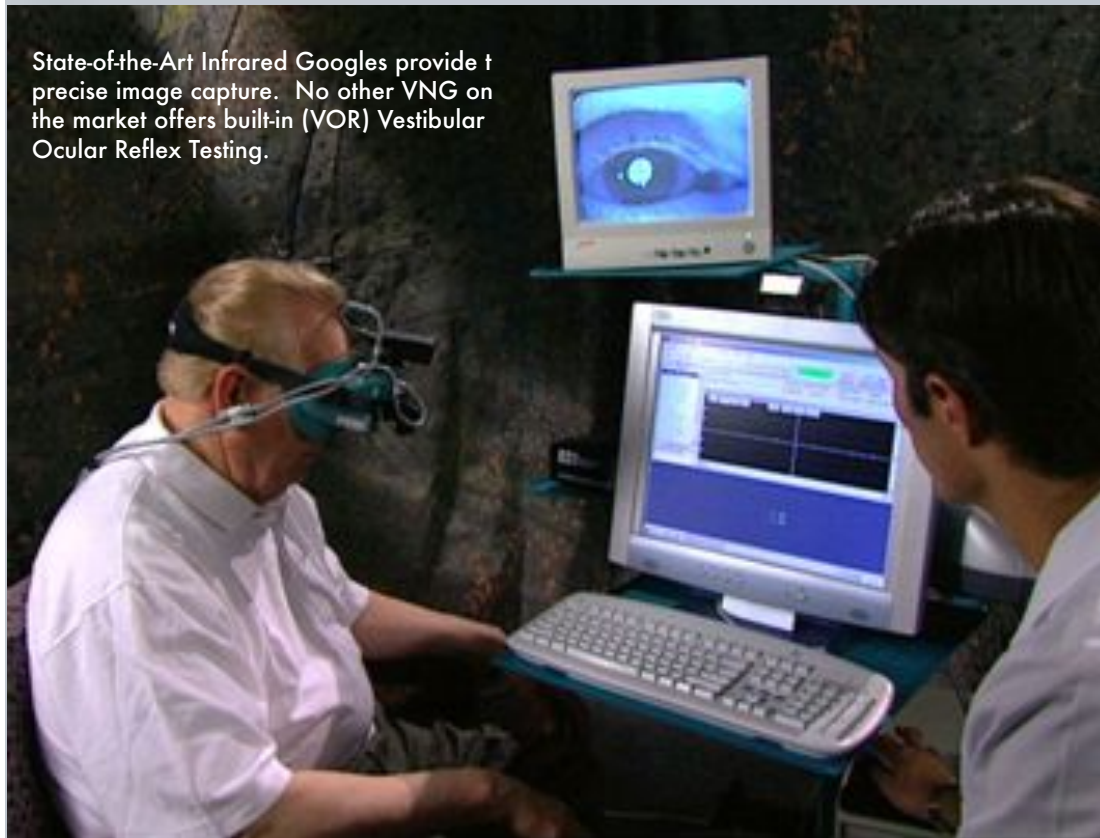


VNG

MOBITRAK
VIDEONYSTAGRAPHY
SYSTEM

State-of-the-Art Infrared Goggles provide precise image capture. No other VNG on the market offers built-in (VOR) Vestibular Ocular Reflex Testing.



Are you seeing Patients that present Dizzy, Unsteadiness and have a propensity to-Fall? Now there is a tool to help to objectively diagnose these patients.



In general the Videonystagmography (VNG) is a study used to clinically evaluate patients with dizziness, vertigo, or balance dysfunction. The vestibular system monitors the position and movements of the head to stabilize retinal images. This information is integrated with the visual system and spinal afferents in the brain stem to produce the vestibulo-ocular reflex (VOR). VNG provides an objective assessment of the oculomotor and vestibular systems.

Essentially, the standard VNG test battery consists of 3 parts: oculomotor evaluation, positioning/positional testing, and caloric stimulation of the vestibular system. The comparison of results obtained from various subtests of VNG assists in determining whether a disorder is central or peripheral. In peripheral vestibular disorders, the side of lesion can be inferred from the results of caloric stimulation and, to some degree, from positional findings. In a large study of patients tested with VNG in a wide range of clinical settings, Stockwell (2000) found an abnormal test results in approximately 39% of patients tested. Peripheral vestibular abnormalities were found in approximately 23% of patients tested, whereas central abnormalities were found in only approximately 5% of patients tested.

While VNG is the most widely used clinical laboratory test to assess vestibular function, remember that normal VNG test results do not necessarily mean that a patient has typical vestibular function. VNG abnormalities can be useful in the diagnosis and localization of site of lesion; however, many abnormalities are nonlocalizing; therefore, the clinical history and otologic examination of the patient are vital in formulating a diagnosis and treatment plan for a patient presenting with dizziness or vertigo. VNG offers many advantages that make it a preferred method over electrodes. Probably the most important of these advantages is that all eye movements are captured on video and can be viewed by the clinician during and after testing. In addition to capturing horizontal and vertical eye tracings, the clinician is also able to visually assess for torsional eye movement by observing the striations of the iris. This is especially important for the diagnosis of benign paroxysmal positional vertigo (BPPV).

The Goggle is the most instrumental piece of equipment for any video ENG. It should be lightweight, durable, and comfortable for your patient. MedTrak builds market-proven equipment with the most durable and shock resistant design that will hold up for years of use. It is also the most popular choice by the patient. Unlike the others, we have no

light bar assembly or calibration requirements. The patient just looks into our Goggle and all the tests can be performed instantly! We offer the most streamlined and user-friendly Windows™ based software program that is the fastest test station available in the industry today. Other manufacturers have designed complicated software systems that require continuous interaction and calibrations between tests. Their impressive software design has done very little in the way of streamlining the test procedures for the technician and patients. MedTrak's systems are more efficient and time saving as a result of a faster testing software interface.

The newly designed compact goggle system is lighter, smaller and better balanced. The House InfraRed/Video ENG System provides complete four-channel electronystagmography without electrodes. The horizontal and vertical movements of each eye are displayed, saved and analyzed by the computer-based system. In addition, rotary movements of the eyes may be observed and videotaped for documentation. Two channel systems measuring one eye horizontally and vertically are also available. The new compact lightweight Goggle Assembly is used for spontaneous, positional, Hallpike, and rotational testing and for monitoring nystagmus during canalith repositioning. The patient is in complete darkness, providing a non-fixating environment with the eyes open. With new Diagnostic VNG Software for Windows. The Leaders of Videonystagmography have done it again... The fastest testing software package available for ENG.

MedTrak has also developed the industries first mobile VNG system called the MobiTrak. The MobiTrak System includes the same best in class technology, but in a compact and mobile package. No program on the market today can match the Technology and the Support that MedTrak provides. So act now and bring Balance back into your patients life's.



SAMPLE CODING

- 92541 X 1 UNIT - Spontaneous nystagmus tes
 - 92542 X 1 UNIT - Positional nystagmus test
 - 92543 X 4 UNIT - Caloric vestibular test,
 - 92544 X 1 UNIT - Optokinetic nystagmus test
 - 92545 X 1 OR 2 UNIT - Oscillating tracking test
 - 92546 X 2 OR 2 UNIT - Sinusoidal vertical axis rotational testing
 - 92547 X 1 UNIT - Use of vertical electrodes or video
- *PLEASE CHECK WITH YOUR INS. PROVIDES FOR EXACT USE OF CODES

SAMPLE DIAGNOSIS CODES

- Peripheral vertigo, unspecified 386.10
 - Benign paroxysmal positional vertigo.386.11
 - Vestibular neuronitis..... 386.12
 - Other peripheral vertigo..... 386.19
 - Vertigo of central origin..... 386.2
- *PLEASE CHECK WITH YOUR INS. PROVIDES FOR EXACT USE OF CODES

TRAINING AND SUPPORT

With the MedTrak VNG you can rest assure that your getting a complete solution. We also pride ourselves with World-Class Service. With the purchase of the MedTrak VNG your practice will also receive:

- Two-Day Onsite Installation and Train ing.
- Introductory Data Analysis for 60 Days or 30 Tests.
- Complete Video Training Library
- Five Year Parts & Labor Warranty
- Access to Quarterly Training Workshops

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