

EPLEY OMNIA[®]

A Product of  VESTIGON



DETECT. DIFFERENTIATE. TREAT. MANAGE.

The Epley Omniax System allows care-givers to comprehensively manage all forms of positional vertigo, including non-particle medical disorders, classic BPPV and its many variants. Precise, multi-axial (360°) patient positioning and first-of-its-kind nystagmus analysis provide the framework for a new level of diagnostic and treatment decision-making. Rather than a cookbook of rote maneuvers, the Omniax System allows causes of vestibular disorders to be ruled out, as well as ruled in, and provides the care-giver with precise treatment capabilities.

A CRITICAL COMPONENT OF COMPREHENSIVE VESTIBULAR CARE

As a precision management tool, the The Epley Omniax® System is an integral component in the vestibular test battery, providing information that is both unique and complementary to ENG/VNG, rotary chair, and posturographic testing. It is a critical component of a Center devoted to excellence in the diagnosis and rehabilitation of balance & dizziness disorders.

Be the Center of Excellence in your region. Serve a wider patient population than previously possible and provide personalized and more satisfying care for all your vestibular patients.



TECHNOLOGY DESCRIPTION

The proprietary Epley Omniax® System consists of an automated multi-axial patient positioning apparatus, infrared goggles, proprietary software with 3-D real-time monitoring and measurement of nystagmus, and spatial orientation of the patient and semicircular canals.

1 DETECT. Use the precise standardized protocols or create your own protocols based on the nystagmus you observe. Easily maneuver and hold the patient in any position to observe, record and instantly play back nystagmus and 3-D spatial orientation of the canals. Also, view tracings of horizontal, vertical or torsional eye movement. Assessment continues, in real time, not just during testing protocols, but throughout treatment maneuvers. With unlimited access to positioning, nystagmus views and a 'dashboard' of comprehensive information, easily detect subtle, latent, or transient nystagmus.

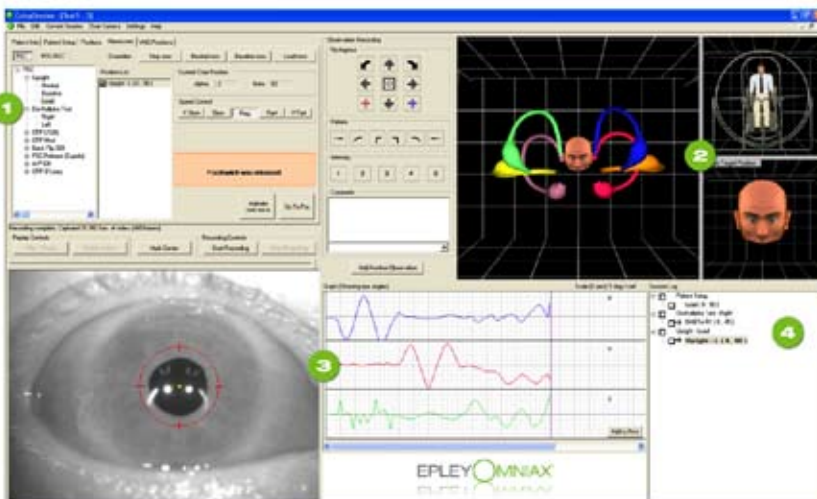
2 DIFFERENTIATE. Use the system to differentiate between Vestibular Lithiasis disorders and other (non-particle) positional Vestibular Disorders through advanced nystagmus analysis. Use the unique instant replay feature, going frame by frame if needed, to verify findings during the procedure.

3 TREAT. Go beyond standard table maneuvers. Select from menu-driven repositioning maneuvers for each canal and condition, including the more complex variants (e.g. apex blocks, canal jams), or create a customized protocol on the spot based upon your observations. Adjust treatment strategies as indicated, add extra positions, or switch from a protocol to your own freestyle maneuver at any point. Decision-making on sequential maneuvers becomes intuitive with real-time data on patient position, canal orientation, and visualization of nystagmus using VOG. Efficiently perform multiple maneuver sessions since the Omniax is safe, comfortable, and practical for both patient and operator.

4 MANAGE. For the first time, comprehensively manage all patients with position-related nystagmus, from simple to complex. Monitor progress and review previous sessions using printed reports, session logs and customized playback. In playback mode, select only those segments needed for review, or, watch the entire procedure. Transfer sessions to DVD for playback on any computer, for referring physicians, and for patient file archive.

Using the precise, multi-axial patient positioning and advanced nystagmus analysis with instant playback available only with the Epley Omniax® System, you can serve a wider patient population and provide personalized and satisfying care for all your patients.

EPLEY OMNIAX® SOFTWARE



- Automated maneuvers selected from menus.
- Real-time spatial orientation of canals and patient position.
- Torsional analysis to assist in localizing variants of BPPV. State-of-the-art high resolution cameras for crystal clear nystagmus.
- Session log shows positions and measurements. Users select pre-programmed remarks for type, duration, severity of nystagmus, etc.

SOFTWARE DETAILS:

- Extensive test and treatment protocol menus.
- VNG positions, including calorics.
- Freestyle maneuvering for 360° in any plane.
- Real-time continuous monitoring/measuring with analysis tools in intuitive 'dashboard.'
- Nystagmus video recording and tracings in 3 planes.
- Slow Phase Velocity, includes torsional.
- Graphical image of spatial orientation of canals, correlated with patient position and clear view of nystagmus.
- Graphical image of patient position.
- Data input buttons for easy recording of operator observations.
- Session logging.
- Instant playback frame by frame, or per position, during and after procedures.
- Variety of data formats: playback, printed report hard drive storage and DVD burning.

HARDWARE DETAILS:

- Infrared goggles track and record nystagmus in virtual real time.
- Motorized, computer controlled positioning apparatus that can be positioned at all angles in three planes, through 360°.
- Light bar for calibration.

KEY BENEFITS:

- Precise, repeatable maneuvers.
- Facilitates understanding of physiology / pathophysiology.
- Eliminates guesswork and makes complex detection and decision-making intuitive.
- Clear view of nystagmus in any position.
- Comparability between procedures for patient management.
- Ease of maneuvering. Maneuver physically-limited patients. Safer and more practical for both operator and patient.
- Perform more maneuvers and see more patients in a day.

SPACE REQUIREMENTS

- You need a minimum 10' x 11' space, about the same size room for VNG testing.

Note: If you plan to do VNGs on the Omniax, you may not need an additional room.



VESTICON
Victory Over Vertigo.™

2203 NE Oregon Street
Portland, Oregon 97232
503.230.0539
www.vesticon.com