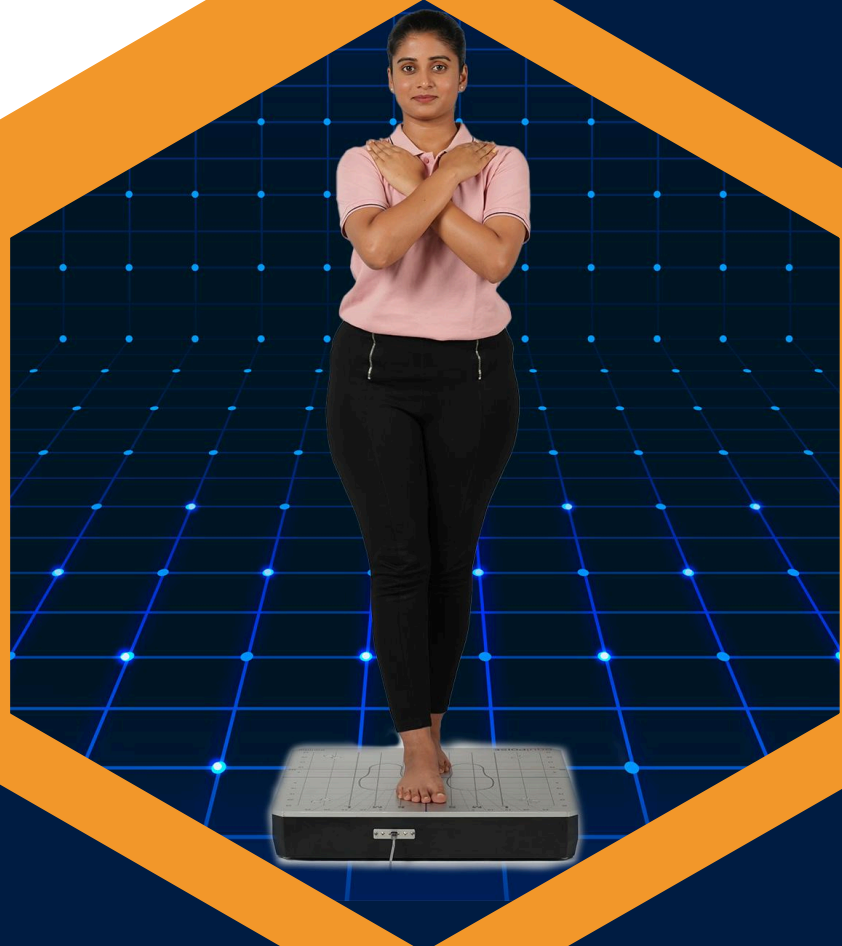


equiPOISE



EQUIPOISE COMPUTERIZED POSTUROGRAPHY

Static platform. Dynamic postural strategies.

Romberg test extended, objective, precise.



Test Protocols

- Escalating Sensory Denial (Sensory Integration of Balance)
- Escalating Motor Complexity (Tandem and Unipodal Stance)
- Weight Bearing Squats
- Limits of Stability
- Rhythmic Weight Shifts: Lateral
- Rhythmic Weight Shifts: Anteroposterior
- Normal to Tandem Stance
- Reference Frame Transposition
- Provision for four user defined test protocols with six steps in each

Rehabilitation Protocols

- Dynamic Weight Shifts (Equi Runner)
- Weight Shifts with reaction time and stabilization (Shooting Range)
- Unipodal stance stability
- Squats
- Anteroposterior and lateral stability training (Maze)
- Postural smooth pursuit for sharpening proprioceptive awareness (Rhythmic weight shift)
- Cognitive and postural rehabilitation (Cognitive Runner)
- Semi free choice stepping strategies (Equi Bergmann)
- Short and medium latency dynamic postural adjustments (Equi Pong)

Discover equiPOISE

EquiPoise offers unparalleled precision in the measurement of center of gravity sway using a high-resolution, large dynamic range force measuring platform. It extends the Romberg test with objective, real-time analysis, providing clinicians with essential insights for diagnosis and rehabilitation planning.

Highlights

- Large Surface: 60 cm by 60 cm platform accommodates testing diverse postural strategies.
- Real-time Analysis: Instantaneous feedback with no latency graphs of center of gravity.
- High Sampling Rate: 100 Hz ensures accurate capture of postural dynamics.
- Sway Velocity: Measure of stability expressed in degrees of sway per second.
- Maximum Sway Distance: The maximum sway perturbation is auto-calculated in whichever direction it has occurred.
- Directional Instability: **equiPOISE** Algorithm detects instability in eight cardinal directions, crucial for diagnostic insights (eg: anteroposterior
- Instability in basal ganglia pathology versus lateral instability in cerebellar pathology).
- Test Protocols: Include protocols designed for anatomical localization and also measure of functional ability/deficit.
- Escalating Sensory Denial Protocol: Identifies proprioceptive and vestibular loss, surface, and visual dependence.
- Escalating Motor Complexity Protocol: Evaluates motor weakness, limb postural strength asymmetry, and higher-level gait disorders.

Technical Specifications

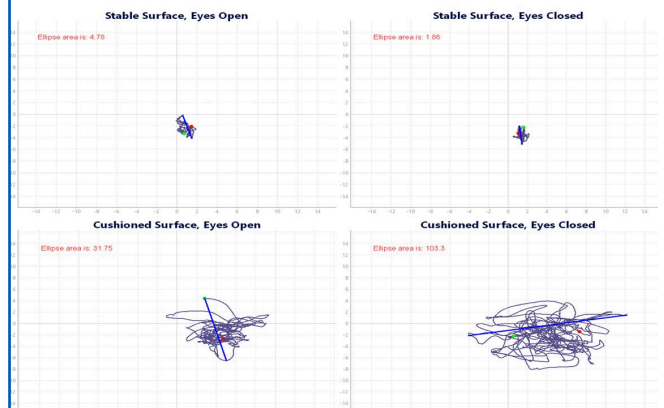
- Platform Dimension: 60 cm x 60 cm Magnesium Alloy for accurate force transfer.
- ADC: 24-bit resolution, 3600 points per kg.
- Platform Weight: 24 kg.
- Maximum Load: 400 kg, no weight limitation for any patient.
- Records Management: Tagging system for efficient patient search.
- Access to raw data of every test protocol for clinicians and researchers.
- Data Backup: User-controlled backup system ensures data security.
- Simple Calibration: One-click calibration for hassle-free operation.
- Raw Sensor Data Display: Visualize raw sensor data for performance assurance.



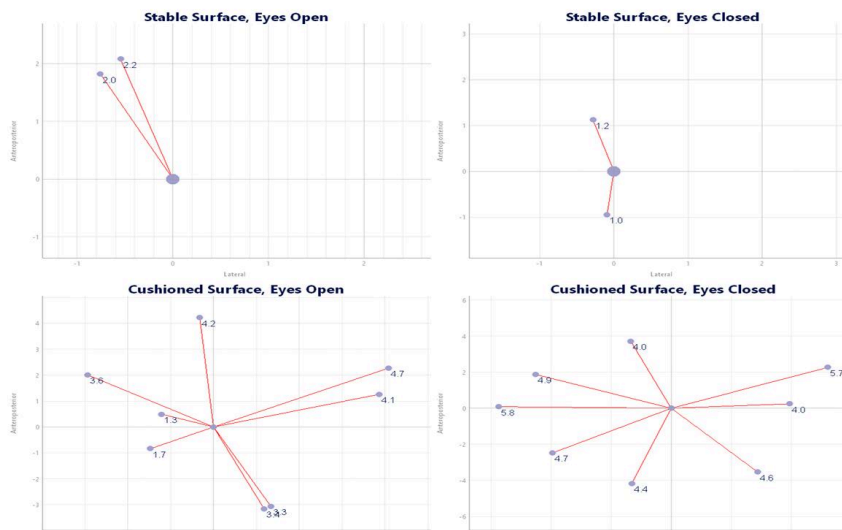
Escalating Sensory Denial: Bar Charts



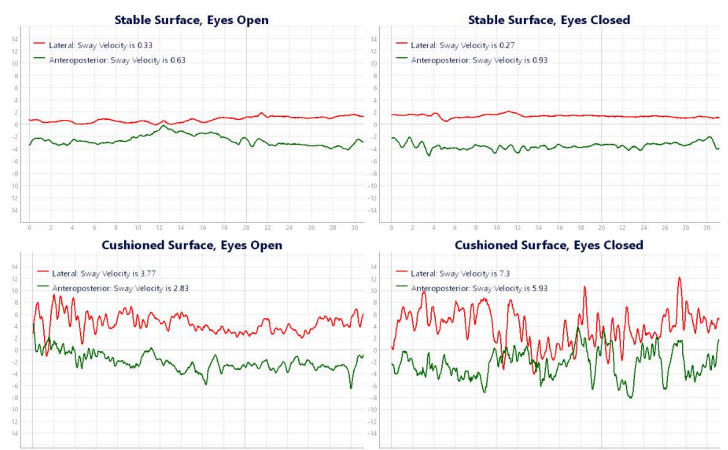
Escalating Sensory Denial: Position Plot



Escalating Sensory Denial: Directional Maximum Sway Plot



Escalating Sensory Denial: Time Series Plot



Product Objectives

EquiPoise redefines posturography with its precision, versatility, and user-friendly design, empowering clinicians to make informed decisions in balance assessment and rehabilitation planning.

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Disclaimer:

equiPOISE is intended for professional medical use only.