



# Balance<sup>TM</sup> Check

**PLATFORM POSTUROGRAPHY FOR BALANCE ASSESSMENT AND  
REHABILITATION**

**ADDING BALANCE CHECK TO YOUR BASIC BALANCE CENTER ALLOWS YOU TO MORE THOROUGHLY  
EVALUATE THE BALANCE DISORDER PATIENT. WHEN COMBINED WITH THE BALANCE TRAINING  
MODULE FOR REHABILITATION THE BALANCE CHECK BECOMES A COMPLETE ALL-IN-ONE TOOL .**



## QUANTIFY SENSORY IMPAIRMENT

Balance Check utilizes the modified Clinical Test for the Sensory Interaction on Balance (mCTSIB) and the Limits of Stability (LoS) Test to objectively quantify a patient's balance capabilities.

## ASSESS RISK OF FALLING

The Balance Check testing protocol can be used as a screening tool to infer fall risk, particularly the LoS scores, as abnormal balance can be caused by a non-vestibular dysfunction.

## SUPPORT HARNESS FOR PATIENT SAFETY

Since many patients are already at an increased risk of falling, the Balance Check support harness is required to prevent falls during LoS testing.

## BALANCE REHABILITATION

Balance retraining enhances a patient's confidence and improves balance. The use of positive visual feedback encourages the patient to practice.

## INCREASED PRACTICE VALUE

Offers additional testing and treatment options for patients and can subsequently increase your referrals and revenues.



# Providing Insight

## into the Complexity of the Balance System.

Human postural control relies on the gravity sensing ability of the vestibular system and the spinal reflexes to balance the body over the relatively small base of support provided by the feet. When the integrity of the sensory information to the central nervous system (CNS) is compromised or the CNS itself is compromised, the ability to stay balanced is reduced.



Stability scores are calculated and represented graphically as well as numerically for each of the four conditions of the mCTSIB: Normal Stability - Eyes Open (NS-EO), Normal Stability - Eyes Closed (NS-EC), Perturbed Stability - Eyes Open (PS-EO), and Perturbed Stability - Eyes Closed (PS-EC). Each ellipse contains 95% of the Center of Pressure (CoP) points from each test. The smaller the ellipse the better – the higher the Stability score the better.

The Limit of Stability (LoS) Test scores the maximum excursions in four different directions (forward, backward, left and right) where the patient leans as far as is comfortable without losing balance. Results are displayed graphically and numerically. The higher the LoS score in a given direction the better.

The patient's LoS score is also compared to the amount of sway during the NS-EO test to show how much of the Limit of Stability was used during the NS-EO test. The higher the LoS Stability Score the better.

The training module is designed with a number of built-in training protocols while allowing you the flexibility to design your own protocol. Scores are reported to allow you to monitor patient progress and distinguish between those patients that can be treated effectively in your office and those that need referral for more comprehensive evaluation and treatment

## Specifications

Combined with VisualEyes VNG or configured as a stand-alone system in a laptop the Balance Check includes:

- Software
- 20" x 20" force plate
- 4" thick foam pad
- 54w x 60d x 86h support frame for patient safety
- patient harness and shoulder straps
- USB interface

The patient support frame is required for LoS test to ensure patient safety.