

Tetrax™

Revolutionise balance assessment in just 8 minutes

- Measure and assess patient balance and sway reliably and scientifically
- Comprehensive assessment takes just 8 minutes
- Identify causes of balance problems and areas for improvement
- Uniquely calculates patient's falls risk index
- Choose from 11 balance training exercises to improve stability
- Guide patient in correct exercise technique with on-screen demo
- Monitor improvements with time and feedback for long-term motivation
- Portable version enables patient assessment in homes, centres and clinics



The Tetrax Balance Assessment System represents a significant step forward in the identification of patients with stability problems, using innovative software and the latest equipment to measure, then train and monitor patient progress to help improve steadiness and prevent falls and fractures.

Designed specifically for Falls Prevention Services and Rehabilitation and Physiotherapy departments, Tetrax uses posturography to analyse patient's balance via pressure placed by the subject's feet on a platform during a variety of tests.

Reliable and Recognised Balance Tests

The Tetrax software, which can be loaded onto any PC or laptop, guides you through a series of 8 gentle balance tests that every patient will easily cope with. These tests are performed in different positions to help identify which parts of the balance system (visual, vestibular or somatosensory) the patient relies upon most and which parts may be causing the stability problems.

With its unique four independent plate configuration, Tetrax has the advantage of enabling accurate measurement of:

1. General stability
2. Fourier transformation and postural sway
3. Weight percentages and weight distribution index
4. Synchronizations between heels and toes and right and left leg pressure patterns.

Tetrax then compares these measurements with normal data to produce a graphical **Postural Summary** for the patient (see example on right) to assist in diagnosis and the most effective correction therapy.

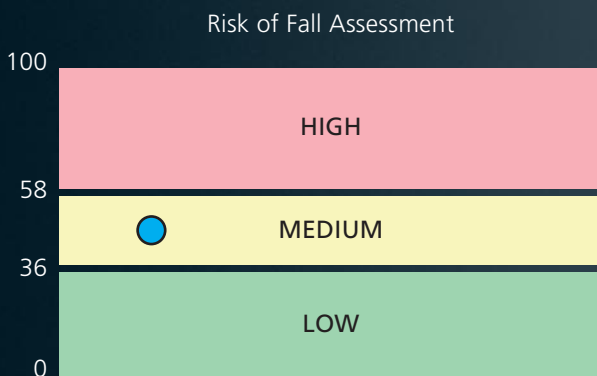
	NO	NC	PO	PC	HR	HL	HB	HF
ST	○	◐	◑	○	○	○	◐	◑
F1	□	▨	▩	□	▨	□	▩	■
F2-F4	▨	■	▩	■	▩	▩	■	■
F5-F6	□	▨	▩	□	□	▨	▩	▩
F7-F8	□	□	▨	▨	□	□	□	■
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SYN L/R	▢▢	▢▢	▢▢	▢▢	▢▢	▢▢	▢▢	▢▢
SYN TOES HEEL	▢▢	▢▢	▢▢	▢▢	▢▢	▢▢	▢▢	▢▢

Interactive Balance Training

Having helped diagnose stability problems and pinpoint their source, Tetrax offers a choice of 11 different balance exercises that prompt the patient into proper postural and balance control to help them meet the goals you have identified for them. These goals might include:

- Correct distribution and balance of weight during standing and walking
- Shortening reaction time
- Tracking a moving object
- Correctly and easily transferring weight from one leg to another
- Combining correct balance with cognitive tasks
- Attention focus during balance

The system includes exercises that are planned to help patients meet each of these goals. In addition, the exercises can be used to help your patient develop compensatory mechanisms that assist in maintaining balance, including plasticity, learning of limits and sensory input decisions, all designed to improve the patient's day-to-day functioning and reduce the risk of falls.



Fall Risk Index Calculation

Combining data from the four measured parameters, Tetrax is uniquely able to calculate a Fall Risk Index for each patient (see example on left). Categorised into colour coded High, Medium and Low risk bands as well as producing a quantitative score, the Index can be shared and easily understood by patients and used to encourage and motivate them to keep up important balance exercises.

For further information on the Tetrax Balance Assessment System or to arrange a demonstration please call

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