

BALANCE TRACKING SYSTEMS

BTrackS Sport Balance

The BTrackS Balance Testing System is a fast, accurate and affordable system that computes the postural sway of an individual, based on his or her center of pressure. Its precision is comparable to gold-standard force plates used by leading hospitals and balance centers around the world. The Sport Balance application has two purposes: first, injury and concussion management and second, general balance assessment. BTrackS Sport Balance gives physicians and trainers access to a reliable and low cost system that can accurately and objectively measure balance.



The BTrackS Balance Plate is a highly sensitive force plate that collects postural sway information and transmits it to the Sport Balance Software App. The Plate requires no AC power and weighs just 13 pounds.

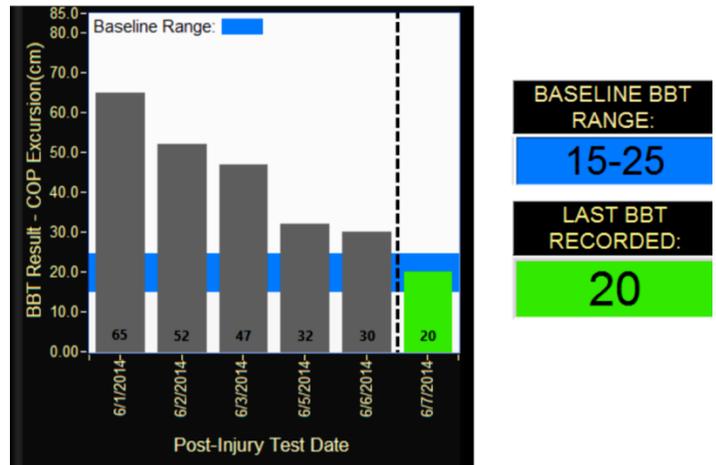
The BTrackS Balance Test

A BTrackS Balance Test (BBT) is the standard testing protocol implemented by the BTrackS Sport Balance Software. The BBT consists of three, 20-second trials that begin and end with an auditory tone. As shown in the picture to the right, the BBT is performed with the athlete's eyes closed, hands on hips, and feet shoulder width apart. A recent study shows that the BBT is twice as effective as the BESS.



Concussion Management: Baseline and Post-Injury Testing

For concussion management, an athlete's post-injury BBT is compared to the athlete's healthy baseline BBT. At the beginning of the season, athletes should be baseline tested to obtain their BBT. After an injury occurs, athletes can be retested on a regular basis and track their improvement through the process. Until the post-injury BBT consistently returns to the baseline range for that athlete, their balance is not back to baseline.



Gender Normative Data

For general balance assessment, each athlete's BBT is compared to thousands of similar athletes and they will be placed in a percentile ranking from 0-100. The age and gender based ranking, which is called the BBT Performance Ranking (BPR), is automatically displayed by the software. Using the BPR, athletes in the lower percentile rankings can be identified as candidates for balance improvement training. The percentile rankings are based on data from thousands of athletes that have been collected by Balance Tracking Systems since 2014.



FDA Class 1 Medical Device

The BTrackS Balance Testing System is an FDA Class 1 Medical Device Number 2010668481