

Balance Assessment &
Rehabilitation
korebalance® 7.0



**korebalance®
premiere**
&
**korebalance®
standard**

The Korebalance® Premiere and Korebalance® Standard are designed for use by medical centers and clinics, medical and PT offices, assisted living facilities, recreation centers, health and fitness clubs, universities and professional sport teams. The Korebalance® System uses the latest in virtual and interactive technology, offering innovative high-tech balance assessment and training. Backed by over two decades of medical experience, Korebalance® will provide you and your patients with the best possible documented neurosensory assessment and training.



**korebalance®
premiere**

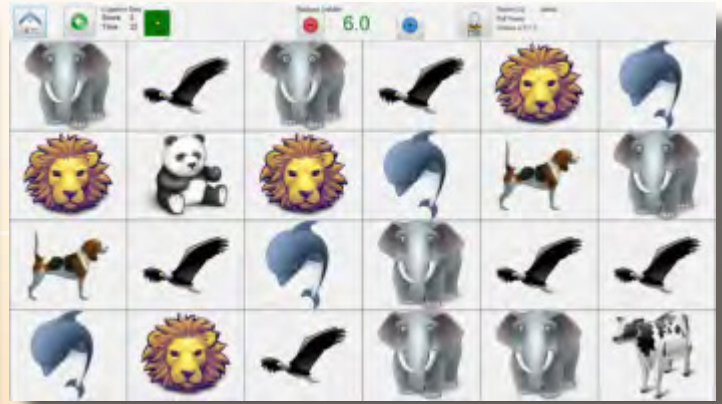


**korebalance®
standard**

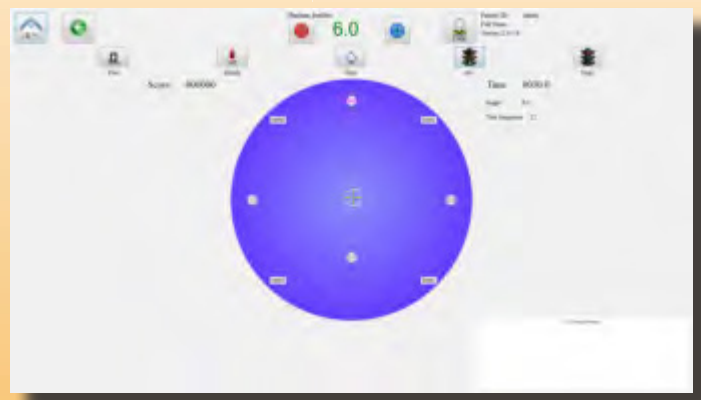
The Korebalance® software allows practitioners to objectively assess balance. Our products feature patented variable stability technology. Training programs stimulate the brain and nervous system to improve balance, stability, coordination and posture. Interactive 3D games make training programs fun and captivating, increasing positive feedback and compliance. Korebalance® provides an efficacious high tech solution for a variety of medical challenges. This modality captures and retrains balance performance with reproducible settings and engaging software. Applications include fall reduction screening and rehabilitation, orthopedic rehabilitation, treating of peripheral neuropathies, treatment and assessment of mTBI and cognition, and identification of symptom magnification. These applications span physical and occupational therapy, long term care and skilled nursing, athletic training, audiology, industrial medicine and neurology.



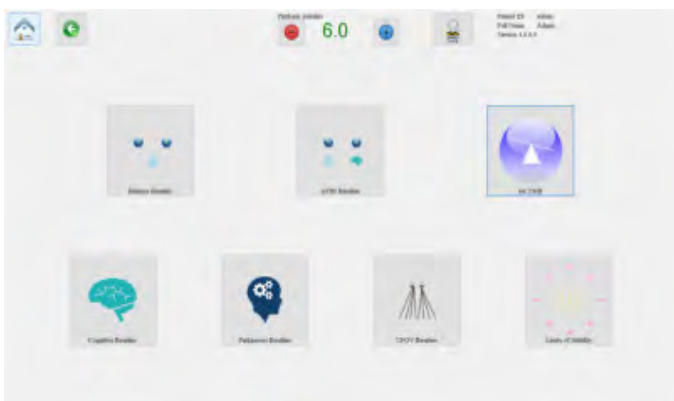
The Korebalance® Premiere, Standard, Youth, and Mobile feature optional cognition baseline and training module. The testing and training session can include both balance and cognition, cognition only, or balance only. Test results can be stored and compared to assess mental decline and mTBI improvement or regression.



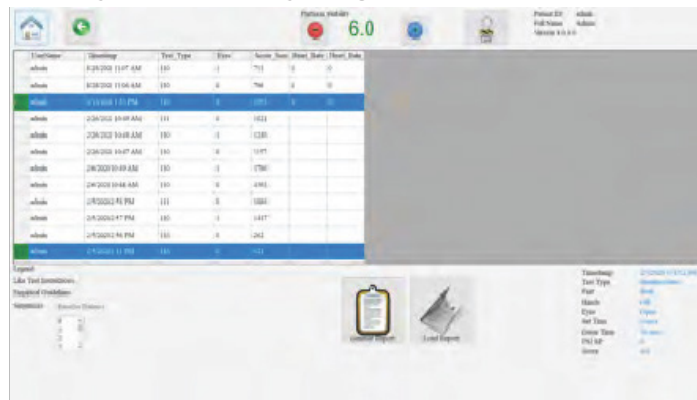
mCTSIB and LOS tests with standardized variable control. (Available as an option on all computerized Korebalance® products).



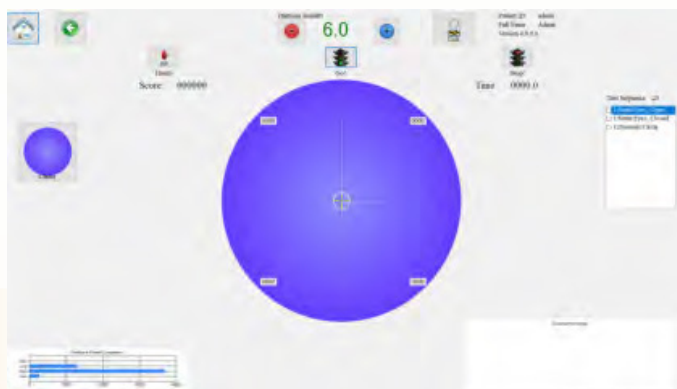
Simplified standardized test format



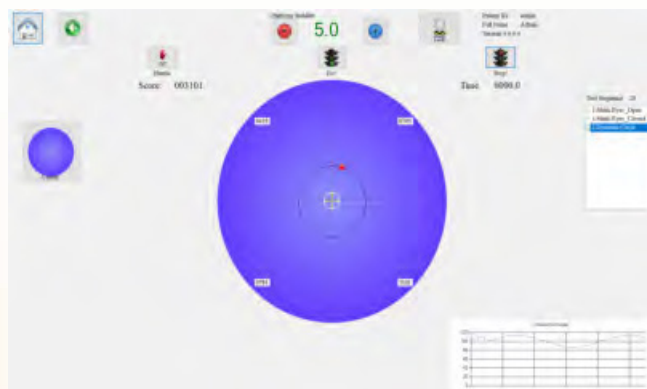
Detailed Results Screen: Touch the result that the user would like- see the detailed information and graphic display. It can be easily navigated and printed out in color.



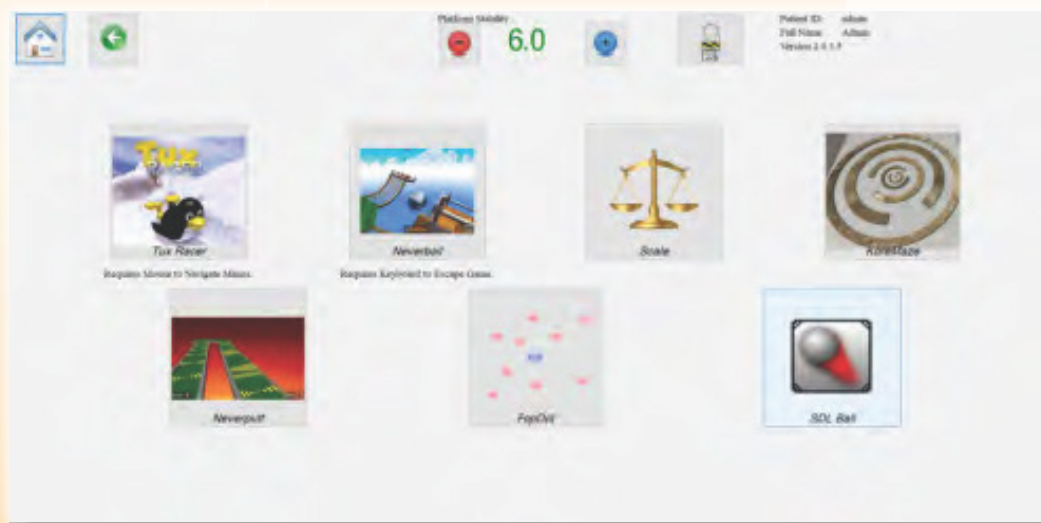
Static Test requires the patient to stand steady & balance on the platform, keeping the crosshairs of the cursor in the center of the test pattern. The Score indicates the deviation of user's center of gravity from the center of the pattern.



Dynamic Test offers a moving cursor that the user "follows" utilizing hip and ankle strategies.



Optional Interactive Games: Increase user interaction and compliance; make training process fun and captivating. Numerous game variations.



- FUN, INTERACTIVE 3-D TRAINING PROGRAMS AND GAMES
- UNLIMITED DATA STORAGE AND REPORTS
- LEADING EDGE TOUCHSCREEN INTERFACE WITH A CHOICE OF SIZES
- COORDINATED FUNCTIONAL USE OF ALL THREE PERIPHERAL SYSTEMS (Vestibular, Vision and Proprioception)
- VARIABLE STABILITY SETTINGS The pneumatic pressure system has 20 stability settings. Settings can be adjusted from very stable for the senior population to extremely challenging for professional athletes, and everyone in between.

Korebalance® UFOV assessment and training module

The Korebalance Useful Field of View suite adds additional versatility and assessment capabilities to the balance and cognitive platform. Although originally designed as a test to determine driving proficiency and risks, the interactive progressive visual and cognitive acuity testing and training sessions have shown additional benefits as well.



- **Divided Attention:** Same as Subtest 1 but with the addition of a concurrent peripheral target location task.
- **Selective Attention:** Same as Subtest 2 but with the addition of distracters.
- **Processing Speed** The Korebalance® UFOV assessment is a computer-based visual test containing three subtests.

Processing Speed: Determines a person's threshold for discriminating stimuli presented in central vision.

The threshold scores are combined to produce an overall performance score. Performance on the UFOV assessment is correlated with a number of real-world functions including driving and walking.



Here are some examples:

- Several studies have shown that a reduction in UFOV (Useful field of view) is correlated with an increased risk of an automobile accident with poor performers being about twice as likely to have an automobile crash than good performers.
- Drivers with poor UFOV performance take longer to cross intersections and initiate crossing later.
- The UFOV assessment is one of the best visual or cognitive predictors of crash rates surpassing the visual acuity tests (used at most Department of Motor Vehicle test sites).
- Poor UFOV performers have more collisions during obstacle navigation while walking.
- People with poor UFOV performance have higher rates of injurious falls.

Divided Attention



Selective Attention

Korebalance antimicrobial treatment

All Korebalance medical device frames and touch points are treated with Koreclean EPA recognized covalently bonded antimicrobial prior to leaving our factory in Independence, Virginia. This treatment is non leaching and provides a long lasting invisible barrier to a myriad of bacteria and viruses. In addition, the Korebalance Premiere features medical grade, two year warranted antimicrobial displays.



koreclean™

Antimicrobials

*Bonded, Fabric
Maintenance Solutions*

Korebalance forearm heart rate monitoring The optional forearm sensor heart rate monitor is much more accurate than touch sensors and provides real time heart rate display and max heart rate reporting in the patient file. Especially useful to determine metabolic demand of the various tests and gauge improvement or regression of cardiovascular health. The forearm attachment is better tolerated by patients, is easier to keep clean, and doesn't require the partial disrobing associated with chest sensors.



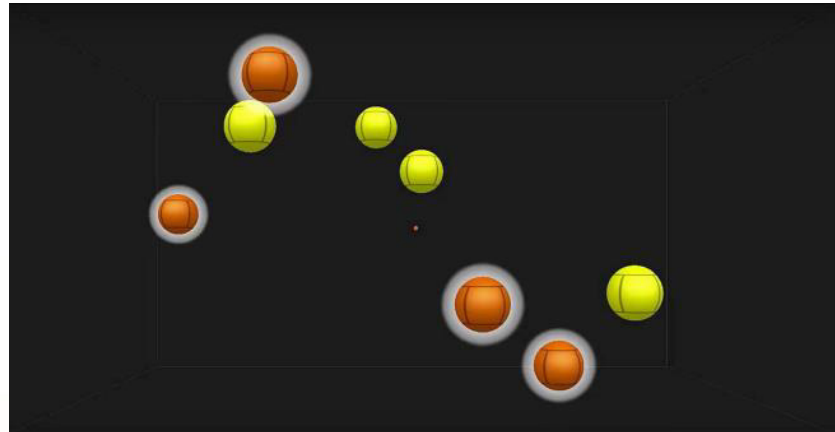
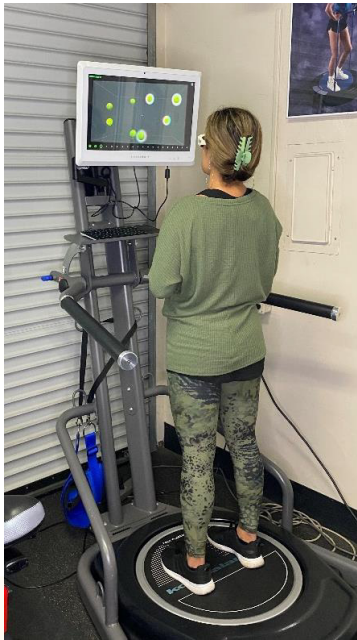
Korebalance adjustable display mount

All clinical large frame Korebalance devices now feature a multi positional horizontal and vertical adjustable computer mount, accommodating a wide variety of patient statures, including cognitive pediatric. This new design facilitates the numerous cognitive touch screen applications now included in the Kore-balance software suite



Korebalance integrated surge protection The Korebalance Premiere modality now includes as standard an integrated surge protector, eliminates the need for external protectors and ensuring a smooth electric feed and protection of sensitive componentry.

- Now with 20 levels of stability, up and down, and MOTOX motor
- More powerful inflation motor provides quiet, faster inflation and deflation-saving clinician's time.
- NEW for 2022 is the addition of an optional Neurotracker® software suite!



The ideal multi-tasking small footprint modality.

When used consistently for just 6-minutes a session

NeuroTrackerX heightens human performance, increases mental awareness and resilience in the face of adversity. The program hones in on the brains' core functions and trains them much like any other muscle in your body.

Executive Function - Focuses in on your functionality in organizing, planning, and prioritizing.

Peripheral Vision - Sense motion by being able to see objects at wide angles without turning your head.

Visual Info, Processing -

Process and analyze accurately what is being seen and storing it in visual memory for later use.

Working Memory -

Improve performance on reasoning tasks and reading comprehension, as well as functioning through the day.

The Korebalance with Neurotracker can be used in concert or independently, depending on abilities of the client and outcomes desired by the clinician.

Combining the Korebalance progressive core stabilization and balance challenges with the Neurotracker software program provides a safe, state of the art, proven small footprint multi-tasking modality.

Korebalance® = Exceptional Hardware

Windows operating system for increased reliability and user-friendly interface

USB ports for installing software upgrades

Powerful computer/touchscreen combination with capacity to securely store patient files.

Mount/dismount feature provides a stable ingress and egress surface

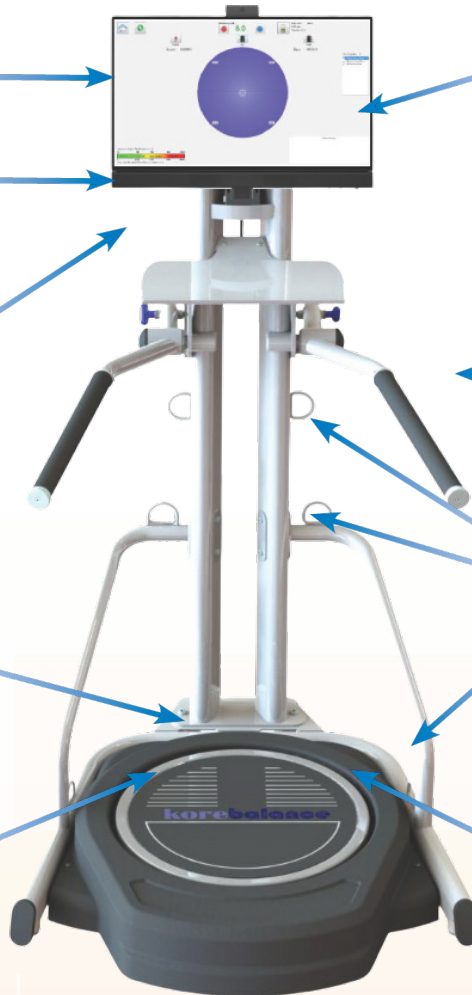
Platform with 360° horizontal and 20° vertical movement tracking.

Choice of large surface acoustic wave digital flat panel LCD touchscreens with integrated quality stereo speakers. Medical grade touchscreen/computer available with Korebalance® Premiere

2" Hardened steel safety hand rails (fully adjustable on the Korebalance Premier)

6 Exercise band attachment points to enhance training

Large dynamic platform with padded neoprene cushion for comfort and safety.



Patient safety support belt, enabling practitioners to safely test and train patients.

“For many years, I have used Korebalance® machines in my office for successful treatment of my patients. I have found it particularly helpful to incorporate these proprioceptive training protocols in treating patients with various balance anomalies. This has improved patients’ static and dynamic balance. This training utilizes and improves both ankle and hip strategies effectively. By using guidelines of adjustable pressure under the unstable platform in relation to the patient’s height, we have found an improvement in balance with pre vs. post rehabilitation tests for patients with both peripheral and central vestibular deficits, originating from various medical diagnoses. The machines have become an integral part of the balance treatment protocols we’ve instituted for our patients, and our outcomes certainly are improved by their use. I believe the machines are successful in diminishing fall risk in my patients.”

Jim Buskirk PT, SCS
President/Owner
Balance Centers of America / Peak Therapeutics



Features

- Useful Field of View Testing and Training Includes three sub-tests, and a training suite
- Cognitive Baseline Testing and Training: Target Tap, Arithmetic, Alphabet Target Sequencing, Memory Card Concentration, Image, Shape and Color Target Recognition
- Cognitive Training provides an adjustable target grid - between 9 to 100 targets, with 30 -300 second time options
- Parkinson's Disease Questionnaire-8 for convenient use in clinical settings
- Downloadable to any Windows 11 Operating System.
- Pay per License Use or a one time use fee
- Functions with a touch screen or mouse!

The KoreCognitive Software as a Service provides the Korebalance® cognitive testing and training suite for clinicians and their patients.

Useful Field of View
Cognitive Baseline Parkinson's
Disease Questionnaire 8 3 Cognitive
Games

UFOV: Split Vision Sub Test - Identify Targets



PDQ-8 Answer Review

	Never	Occasionally	Sometimes	Often	Always (I Cannot Test)
1. Had difficulty getting around in public?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
2. Had difficulty dressing yourself?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Felt Depressed?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Had problems with your close personal relationships?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Had problems with your concentration, e.g. when reading or watching TV?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
6. Felt unable to communicate with people properly?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
7. Had painful muscle cramps or spasms?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
8. Felt embarrassed in public due to having Parkinson's disease?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Target Tap - select as many targets as possible within the pre-selected time frame



Memory Card Concentration - Match Images

