

SPORTS INJURY RISK MANAGEMENT

PROTECT YOUR ATHLETES

Biodex technology helps manage specific sports injuries and determine safe return to play.



White Paper: Evolution of a Successful New Hamstring Rehabilitation Protocol to Reduce Hamstring Injury Recurrence

By Timothy F Tyler, PT, ATC¹

CTSIB Test Results

Clinical Test of Sensory Integration of Balance

PATIENT TEST INFORMATION
 Patient Name : LIZ MCCORD
 Patient ID : 068304
 Age : 32
 Weight (lb) : 109
 Height (ft.in) : 5'3"
 Gender : Female

Delton Physical Therapy
 1800 Hall Street Suite T
 Arlington, VA 09024
 (212) 965-0902

Test Date / Time : 4/30/17 11:22 AM
 Device : Balance SD

FOOT PLACEMENT LEFT RIGHT
 Foot Angle : 10 10
 Heel Position : D6 D16

Conditions : modified
 Test Trial Time : 00:45
 Test Trials : 3
 Cursor : CW
 CPT Code : 97112
 ICD CODE : 717.85

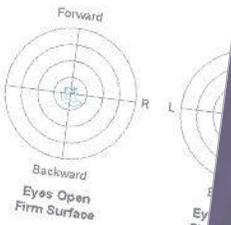
TEST RESULTS

All Trials Condition



Composite Score (Avg.)

Final Trial



COMMENTS
 Patient sustained injury during an organized game struck on the left side by the other player's

CLINICIAN

Software Version:

Printed on 4/30/2017

CASESTUDY

Biodex Concussion Management Program aids in Return-to-Play



BALANCE ASSESSMENT FOR CONCUSSION MANAGEMENT

BALANCE SYSTEM™ SD & BIOSWAY™



*Balance System™ SD
Static and Dynamic*



*BioSway™
Static. Shown with optional
Printer and Printer Stand.*

Measuring Balance

Assessment of balance remains an important part of any concussion management program. A decreased ability to maintain postural sway is one of the hallmark signs of concussion which often persists after cognitive symptoms subside. Biodex technology supports the assessment from baseline to post-injury with a detailed progress report to track recovery for an objective, return-to-play decision.

Balance Technology

Biodex Balance Assessment is conducted using either the versatile Balance System SD or portable BioSway. The Balance System SD is a sophisticated measuring and training device for static and dynamic balance testing and training. The BioSway is a portable balance device with a static-only platform.

The mCTSIB can be performed on either balance device, designed to systematically test the sensory selection process by compromising available somatosensory, visual, and vestibular senses while measuring an athlete's ability to minimize postural sway.

The NEW version of the Balance System SD and the BioSway software includes the option of conducting a modified version of the Clinical Test of Sensory Integration of Balance (CTSIB) for postural stability, popular for concussion management. Modify existing CTSIB and BESS test parameters or create custom sensory integration protocols.

Measuring Postural Sway

The objective data provided by measuring postural sway gives clinicians the ability to quantify the elements of balance, comparing baseline to post-injury performance. In addition, test results from a healthy population of student-athletes is stored on the devices for general normative data comparison.

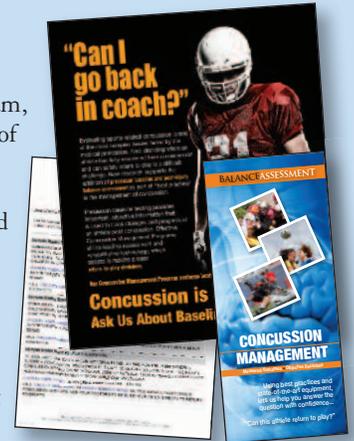
Detailed summary and progress reports help track recovery and provide you with quantitative data to assist with the return-to-play decision.

MARKETING SUPPORT

Balance Assessment for Concussion Management

Available exclusively to our customers using Balance Assessment in support of a concussion management program, Biodex provides an assortment of marketing materials to attract athletes, parents, community sports teams, school coaches and athletic directors, as well as referring pediatricians.

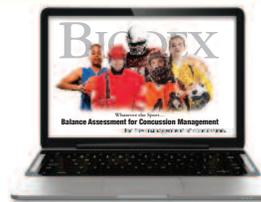
Materials can be customized to reflect your facility and used to broadcast the role of Balance Assessment in the management of concussion.



- Sample Letters • Sample Press Release
- Sample Advertisements • Educational Brochure
- Clinical Voucher • Awareness Poster

ONLINE RESOURCE CENTER

Balance Assessment for Concussion Management



A library of educational material including Concussion Management guidelines, position statements, balance assessment education, case studies, research studies, and more.

Visit the Resource Center today!

www.biodex.com/resource/concussion

CONCUSSION HEALTH EDUCATION PRODUCTS

Everything you need

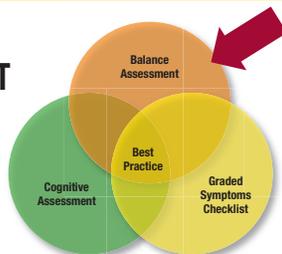
Concussion Health provides valuable clinical education tools to support best practices in concussion rehab

www.biodex.com/concussionhealth



BEST PRACTICES FOR CONCUSSION MANAGEMENT

The proper management of concussion should include baseline Balance Assessment, Cognitive Assessment and Symptoms Checklist.



950-440 Balance System SD, 15.6" Display, 115 VAC
Includes Fall Risk Screening & Conditioning Program, Biodex Balance Assessment for Concussion Management, printer, printer stand and CTSIB Indexed Pad.

950-460 BioSway 15.6" LCD with Tabletop Stand and Case, 115V/230V 50/60Hz

950-461 BioSway 15.6" LCD with Tabletop Stand, 115V/230V 50/60Hz
Includes: Instrumented platform, CTSIB Indexed Pad, 15.6" color touch-screen LCD display with tabletop stand/wall mount bracket, AC adapter for 100-240 V input and two blindfolds.

www.biodex.com/concussion

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www.biodex.com/sportsinjury

BIODEX

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