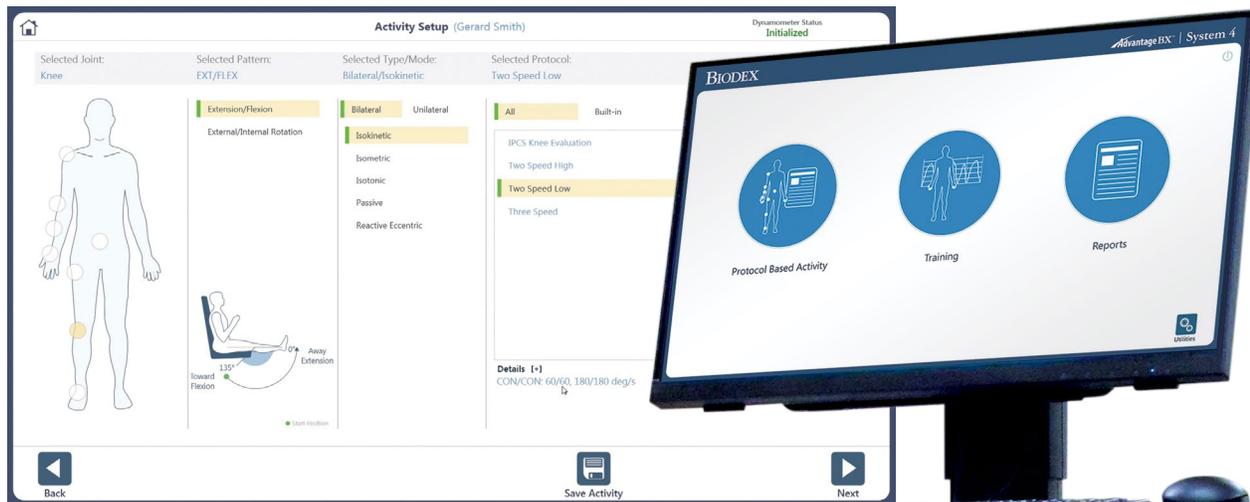


*"The Clinical Advantage"™*

# NEW Advantage BX™ Software

For the Biodex System 4 Multi-Joint Dynamometer



*So easy, you already know  
how to use it!*

*Now featuring: NEW report  
for ACL Return-to-Play*

**BIODEX**

[www.biodex.com](http://www.biodex.com)

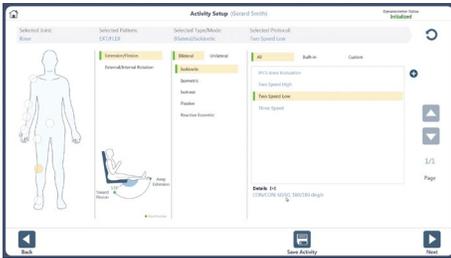
**1-800-224-6339**

Int'l 631-924-9000

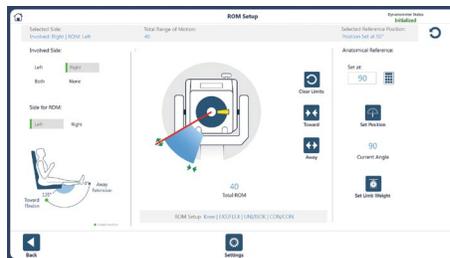
# NEW Advantage BX™

## Simple. Logical. Intuitive.

Biodex Advantage BX software offers a streamlined, intuitive experience for the System 4 dynamometer so you can capture and document every stage of the rehabilitation process. Totally redesigned, the modern interface will provide users of the System 4 with more efficient functionality and intuitive navigation, while maintaining the testing and training accuracy they expect from their Biodex Multi-Joint System.



Setting up a protocol based activity (knee)



Setting the range of motion (knee)



Performing a two-speed isokinetic protocol based activity on the knee



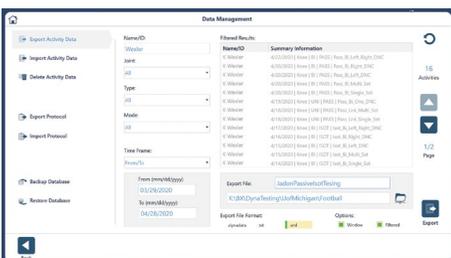
Activity results showing a unilateral knee test

## FEATURES

- **NEW Return-to-Play Report for ACL**
- **NEW Data Management Capabilities**
- **Fresh, modern interface**
- **Intuitive navigation**
- **Guides you step by step through protocol-based activities**
- **SQL database with easy access to patient data and reports**
- **Quick start and repeat activity options**
- **Ability to store and pin frequently used activities**
- **Create custom protocols on the fly**
- **Fast access to training mode**
- **Integrated analog/EMG output signal scaling**

## NEW Integrated and Enhanced Data Management Capabilities

- Easily share test data and custom protocols between dynamometers running Advantage BX
- Export both single and multiple test data with comprehensive metrics and raw data for use with third party tools
- Import existing patient lists into Advantage BX



Integrated data management



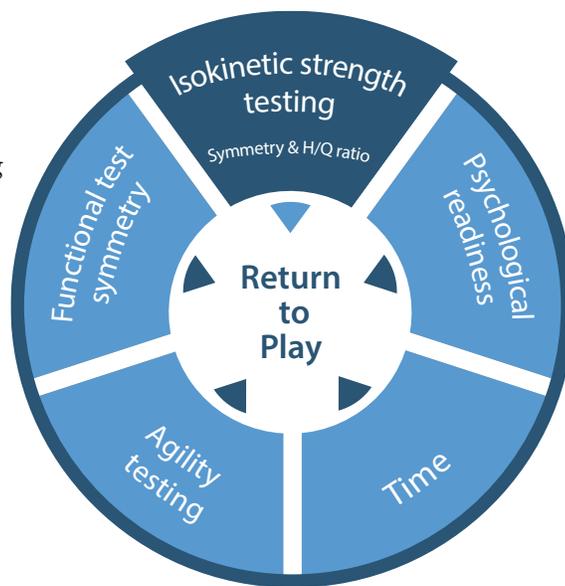
## NEW Reporting for ACL Return-to-Play

“Patients who did not meet the discharge criteria before returning to professional sport had four times greater risk of sustaining an ACL graft rupture...”

– Kyritsis, P. et al. British Journal of Sports Medicine, 2016

There’s a reason for the recent resurgence of isokinetic strength testing after ACL reconstruction. Limb strength symmetry and balanced hamstring to quadriceps ratios are major components of return-to-play criteria shown to reduce reinjury in athletes after ACL-R.

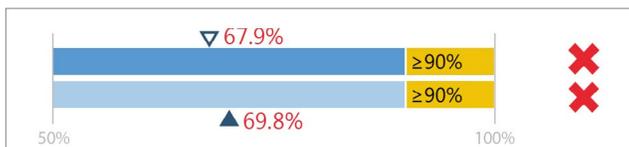
- ▶ Time
- ▶ Isokinetic strength testing: symmetry and hamstring/quadriceps ratios
- ▶ Functional test symmetry
- ▶ Agility testing
- ▶ Psychological readiness



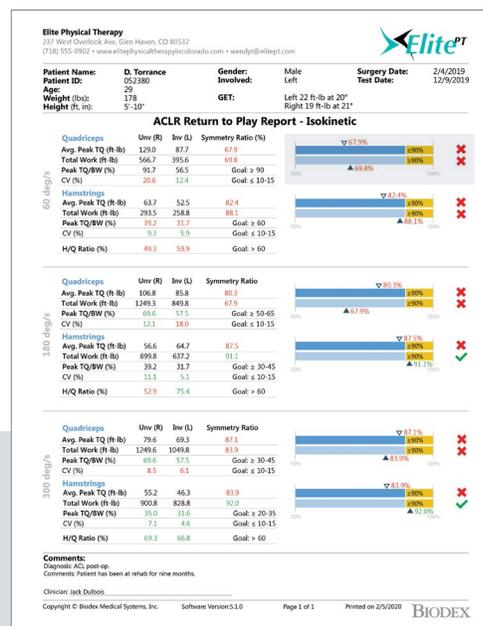
New reporting capabilities make it even easier to communicate with patients, doctors, third party payers and employers.

## Clearly Communicate Test Results

Grounded in the latest research and supported by a panel of field experts, Biodex introduces the first-ever Return-to-Play report. Results can be understood at a glance with clear pass/fail for isokinetic tests throughout the athlete’s recovery. This unique report gives patients and referring physicians the added confidence they are ready to return to play.



Limb symmetry index



Physicians can understand report at a glance with clear pass/fail results. Visit [www.biodex.com/acl](http://www.biodex.com/acl) for full-size view.

## Special thanks to our panel for Return-to-Play

- John Cavanaugh, PT, MED, ATC, SCS
- George J. Davies, DPT, MED, PT, SCS, ATC, LAT, CSCS, PES, CSMS, FAPTA
- Timothy Heckmann, PT, ATC
- Mark Paterno, PT, PhD
- Bryan Riemann, PhD, ATC, FNATA
- Milo Sini, ATC, PTA, CSCS
- Tim Tyler MS, PT, ATC

### References:

- Grindem H, et al. Br. J Sports Med 2016;50: 804-808. doi:10.1136/bjsports-2106-096031
- Kyritsis P, et al. Br J Sports Med 2016;50: 946-951. doi:10.1136/bjsports-2015-095908
- Webster K.E., Feller J.A, The Orthopaedic Journal of Sports Medicine, 6(4). doi:10.1177/2325967118763763
- AAOS, Return to play checklist reduces re-injury for athletes following anterior cruciate ligament. Science Daily, March 6 2018

# Advantage BX™

*Next-Generation Software for the Biodex System 4 Dynamometer*

[www.biodex.com/s4bx](http://www.biodex.com/s4bx)

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