

CONCUSSION is a common injury and is often a difficult condition to diagnose and treat. Most often, return to play decisions were made without the benefit of neuropsychological testing and were based on observation and player report of symptoms. The ImPACT software package provides the sports medicine clinician with information that can help to take the guesswork out of concussion management and return-to-play decisions.

Using a battery of tests of memory, reaction time and processing speed, ImPACT provides specific information regarding the severity of injury and a standard of evaluating recovery from injury.

The ImPACT software consists of a Self-Report Symptom Questionnaire (21 symptoms commonly associated with concussion), a Concussion-History Form that precedes the neuropsychological measures, and seven cognitive tests of cognitive functioning.

- Attention Span
- Reaction Time
- Visual Memory
- Working Memory
- Response Variability
- Verbal Memory
- Sustained Attention
- Selective Attention
- Non-verbal Problem Solving

FREQUENTLY ASKED QUESTIONS:

■ **How Does An Athlete Do A BASELINE Test?**

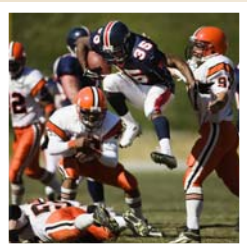
✓ A baseline test can be completed from any computer with internet access.

■ **Who can Administer ImPACT follow-up testing?**

✓ Only a physician, neuropsychologist, physiotherapist or a athletic therapist who has received ImPACT training can administer the follow-up test.

■ **When can the athlete return to play?**

✓ ImPACT should be used as only one source of information regarding the athlete's level of functioning. Diagnostic or return to play decisions should be based on an evaluation by medical personnel in accordance with usual and standard medical practice. Only a physician can make a return to play decision.



Developed following years of university-based research:

- Valid and reliable
- Sensitive to subtle changes in brain function
- Easy to administer
- Baseline and Post-Injury Testing
- Comprehensive Clinical Report
- A valuable tool employed within numerous research studies world-wide
- Utilized throughout professional and amateur sports:

- ✓ Canada's National Ski & Snowboard Teams
- ✓ 18 NFL Teams
- ✓ IRL, Champs Car, Formula 1
- ✓ US Soccer
- ✓ Professional Baseball
- ✓ US Lacrosse
- ✓ Professional Hockey
- ✓ New Zealand Rugby Football Union
- ✓ USA Women's Olympic Hockey
- ✓ Swedish World Cup Soccer
- ✓ Professional Soccer
- ✓ 250+ Universities
- ✓ 700+ High Schools

DEVELOPERS OF ImPACT:

Mark Lovell, PhD

Director UPMC Sports Concussion Program
 Director NFL Neuropsychology Program
 Director NHL Neuropsychology Program

Joseph Maroon, MD

Professor, UPMC Dept. of Neurological Surgery
 Heindl Scholar
 Team Neurosurgeon, Pittsburgh Steelers

Michael Collins, PhD

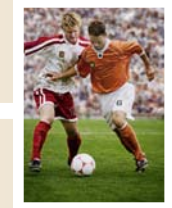
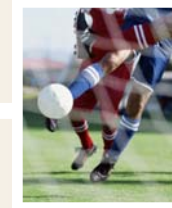
Assistant Director, UPMC Sports Concussion Program

John Powell, PhD, ATC

Director, Graduate Studies in Sports Medicine, Michigan State University
 President, Med Sports Systems

Kenneth Podell PhD

Division Head, Dept. of Neuropsychology
 Henry Ford Health System





CONCUSSION

ImPACT TRAINED MEDICAL PERSONNEL

Dr. Lisa Fischer
Dr. Jeff Freeman

Fowler Kennedy Sport Medicine Clinic
Fanshawe College
519-452-4230

Fowler Kennedy Sport Medicine Clinic
University of Western Ontario
519-661-3011



SPONSORS SUPPORTING CONCUSSION MANAGEMENT



Sales and Marketing
John Chehade
1-866-992-8749
519-963-1213
John.chehade@impacttest.ca



www.impacttest.ca

The Best Approach To Concussion Management

WHO WE ARE:

ImPACT team members have dedicated the past 15 years to the scientific study of sports-related concussion and the clinical application of this knowledge throughout professional and amateur sports. ImPACT team members are widely acknowledged as world leaders in the field of concussion management and are committed to ongoing development of increasingly advanced concussion management tools.

WHAT WE DO:

ImPACT is a sophisticated research-based software tool developed to help sports-medicine clinicians evaluate recovery following concussion. The ImPACT program evaluates and documents multiple aspects of neurocognitive functioning including memory, brain processing speed, reaction time & post-concussive symptoms. In addition, the program provides a user-friendly injury documentation system that facilitates the tracking of the injury from the field through the recovery process.

www.impacttest.ca

