

Orthopaedic Associates Concussion Program

The Center for Disease Control has estimated that approximately 1.6 to 3.8 million sports-related concussions occur each year. The management of sports-related concussions is currently one of the most hotly debated topics in sports medicine. Most of the debate revolves around the safe determination of return to participation once a concussion has been diagnosed. Orthopaedic Associates is initiating a concussion program that will utilize the Immediate Post-concussion Assessment and Cognitive Testing (ImPact) System. This system is currently being utilized by all of the professional sports leagues including the NFL, NBA, MLB, NHL, and the United States Army. In addition, this program is widely utilized throughout the NCAA and high schools throughout the country. The ImPact system is a computerized test that assesses reaction time, attention span, and other cognitive functions of a student athlete. Student athletes are baseline tested prior to the start of the sport season and then tested again after a concussion to compare quantitative results to help decide when the student athlete is ready to return to play.

Baseline testing is available at Orthopaedic Associates this summer. To inquire about baseline and post testing please contact Kevin Crowley at 410-337-8847 x1150



ImPACT™

The Best Approach To Concussion Management



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Software program that provides information that can help to take the guesswork out of concussion management and return-to-play decisions.

CONCUSSION is a common injury, but is often difficult to diagnose and treat. ImPACT provides your sports medicine clinician with information that can help take the guesswork out of concussion management and promote safe return-to-play decisions for your athletes.



Concussion Management

CONCUSSION

One of the most serious and prevalent medical problems at the high school level.

PROPER MANAGEMENT

of concussion is the best form of prevention of serious injury.

IMPACT

provides information regarding the severity of injury and a standard for evaluating recovery from injury.

PROPER MANAGEMENT OF CONCUSSION IS THE BEST FORM OF PREVENTION OF SERIOUS INJURY.

WHAT IS IMPACT?

ImPACT is a sophisticated, research-based computer test developed to help clinicians evaluate an athlete's recovery following concussion. The program begins with a 20-minute test battery administered in the preseason for a baseline, and includes puzzles and tasks that measure a variety of factors. When a concussion is suspected, a follow-up test is administered to see if the results have changed from the baseline. This comparison helps to diagnose and manage the concussion. Follow-up tests can be administered over days or weeks so you can continue to track the injury.

THE IMPACT PROGRAM evaluates and documents multiple aspects of neurocognitive functioning, including memory, attention span, brain processing speed, reaction time, and post-concussive symptoms. The user-friendly injury documentation system enables you to track the injury from the field and through the recovery process.

WHY USE IMPACT?

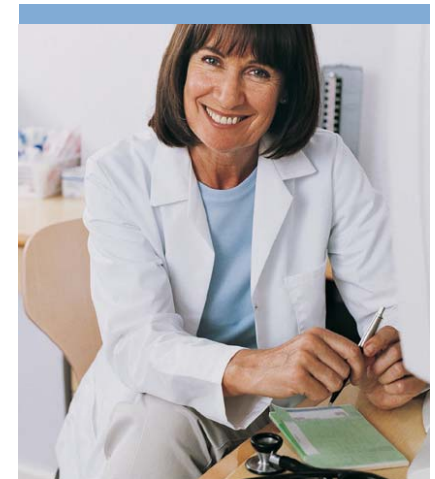
ImPACT can help answer difficult questions about an athlete's readiness to return to play, protecting them from the serious consequences of returning too soon. While traditional neurological and radiologic procedures such as CT, MRI, and EEG are helpful in identifying many serious concerns (e.g. skull fracture, hematoma, contusion), they are not as useful in identifying the effects of concussion. As a result, doctors often must rely on subjective observations or a patient's self-reporting of symptoms to diagnose and track a concussion. This is where ImPACT can help.

USING IMPACT to implement baseline and post-injury neurocognitive testing can help you objectively evaluate the concussed athlete's post-injury condition and recovery to prevent the cumulative effects of concussion. And in the event that baseline testing is not possible, ImPACT has a normative database of thousands of non-injured athletes, which can also be used for effective comparison.

WHO IS BEHIND IMPACT?

Mark Lovell, PhD, ABPN, Joseph Maroon, MD, and Michael Collins, PhD, founded ImPACT in 2002. These professionals are world leaders in the field of concussion management and are committed to the ongoing development of advanced concussion management tools. 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 OFFERS CONCUSSION MANAGEMENT SERVICES AT MORE THAN 1,000 HIGH SCHOOLS, 300 COLLEGES, 250 SPORTS MEDICINE CENTERS, AND FOR PROFESSIONAL TEAMS THROUGHOUT THE WORLD.



For More Information on ImPACT Testing, Call Orthopaedic Associates 410-337-8847 x 1150

ImPACT has proven to be an absolutely indispensable tool at our school. The more complete information obtained through ImPACT means I never have to second guess if I'm being too aggressive or conservative in returning athletes to play.

C.A, LATC, Head Athletic Trainer, Sheffield, MA