

**Pacific Northwest Neurology  
J. Greg Zoltani, MD, CIC  
Sports Neurologist**

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

**We have a friendly caring staff available  
from 8:00 a.m. to 5:00 p.m., Monday  
through Friday. Call (253) 581-8151**



**Greg Zoltani, MD, CIC, Sports Neurologist  
PACIFIC NORTHWEST NEUROLOGY**



Contact us at  
(253) 581-8151  
Located between  
Olympia, Tacoma  
and Gig Harbor, WA.



**CONCUSSION IS A BRAIN INJURY THAT ALTERS THE WAY YOUR BRAIN FUNCTIONS.**

- Concussion can occur from a blow to the head/body. Following Helmet contact and/or contact with the ground, Object or another player.
- Most concussions occur without being knocked unconscious
- Severity of injury depends on many factors and is not known until symptoms resolve and brain functions are back to normal
- \*ALL CONCUSSIONS ARE NOT CREATED EQUALLY.



**EACH PLAYER IS DIFFERENT, EACH INJURY IS DIFFERENT.**

**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.  
PACIFIC NORTHWEST NEUROLOGY & IMPACT - THE TEAM THE PROS TRUST**

**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.

**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.

**PLEASE TAKE CARE OF YOUR BRAIN!**

**ACCORDING TO THE CDC, "TRAUMATIC BRAIN INJURY CAN CAUSE A WIDE RANGE OF SHORT OR LONG TERM CHANGES AFFECTING THINKING, SENSATION, LANGUAGE, OR EMOTIONS." THESE CHANGES MAY LEAD TO PROBLEMS WITH BALANCE, MEMORY, COMMUNICATION, PERSONALITY CHANGES, AS WELL AS DEPRESSION.**

**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.

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1000 + COLLEGES & UNIVERSITIES  
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- WORLD WRESTLING
- ENTERTAINMENT
- US NAVY
- US AIR FORCE ACADEMY
- US ARMY



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**SERVING the Tacoma,  
Olympia, Gig Harbor, Federal  
Way, Enumclaw, Steilacoom,  
Puyallup & University Place  
Athletes**