



Monitors Athletes for Concussions and Overheating Related Injuries

PlayerMD™ CM (Concussion Management), the leading Sports Medicine Biometric Platform, offers wireless monitoring and data collection for athletes who use sensor equipped skullcaps or headbands. Data is collected on the sideline with a tablet or smart phone device and is transferred to a centralized HIPAA-approved medical data storage facility.

When an impact exceeds a player's personalized threshold, alerts are automatically sent via text or email with the measurements taken, which threshold was exceeded and a Risk Assessment Score of the impact being a concussive event. The SCAT3 Sport Concussion Assessment Tool is built into the PlayerMD™ CM platform so athletes can be further evaluated for a potential concussion.

PlayerMD™ CM automatically captures data for impacts exceeding 15Gs of force at 1.0 millisecond intervals for the full duration of the impact. As a result, PlayerMD™ CM captures highly precise measurements of linear, rotational and angular acceleration without missing a single impact per play.

Each athlete's impact history is tracked throughout their lifetime across multiple sporting or active pursuits allowing physicians to look beyond a specific impact when diagnosing and treating concussion related injuries.

PlayerMD™ CM was developed under the guidance of leading sports medicine experts including Dr. James Andrews and Dr. Jeffrey Dugas of the Andrews Sport Medicine and Orthopedic Center, neurological experts from the University of Alabama and technical experts from Siemens and ST Microelectronics.



Key Features:

- **Monitors for potentially concussive and sub-concussive impacts.**
- **Impact alerts are automatically sent when an impact exceeds a player's threshold and includes an estimated risk assessment of the event being concussive.**
- **PlayerMD™ headgear is placed in a skullcap or headband for use in helmeted and non-helmeted sports.**
- **Measures an impact's linear force (G-Force), rotation (degrees), velocity in degrees per second (DPS), acceleration (DPS²) and angular resultant (DPS²).**
- **Captures multiple/simultaneous collisions per play.**
- **The SCAT3 Sports Concussion Assessment Tool is built into the platform.**
- **Saves all impact and assessment data in a centralized database and for future patient care and medical research.**
- **Monitors body temperature to alert for potential overheating during play.**
- **Batteries last for an estimated 400 hours of use and can easily be changed.**
- **Accelerometers are approved for military use.**

For more information, call Sales at 855.999.ARCH (2724) or email: sales@archetypecorp.com

PlayerMD™

Proven in NCAA Division I Football



The above images were taken from an NCAA Division I football game and the ESPN videos below show the *PlayerMD™* platform in action. The impact in the second image is shown in the first video link and resulted in a multiple 100+G impact sequence with four separate impact events on the play; the initial collision between the player's helmets, the receiver hitting the ground and bouncing up, the head making additional contact with the defender's helmet and the player's head settling to a stopped position on the ground.

<http://www.youtube.com/watch?v=crLhGzLdZ7k> and <http://www.youtube.com/watch?v=LDhZR6YdOEc>

