

SMART-C® IN ACTION

REAL-LIFE CASE STUDIES FROM PROFESSIONAL SPORTS TEAMS

In the fast-paced world of professional sports, the ability to quickly and accurately diagnose injuries at the point of care can make the difference between a speedy recovery and a prolonged absence from play. The SMART-C®, our wireless, battery-operated and ultra-portable 16-lb. mini C-arm, is revolutionizing the way sports teams manage athletes' health. In this article, we will share real-life case studies from professional and collegiate sports teams using the SMART-C® during games and practices to treat athletes. Where necessary, the names of athletes and organizations have been withheld to maintain confidentiality.

Case Study 1: Baseball Team's Crucial Mid-Game Diagnosis



During a high-stakes baseball game, a star pitcher awkwardly twisted his ankle while throwing a pitch. The

team's medical staff needed a swift and accurate diagnosis to decide whether he could safely return to play.

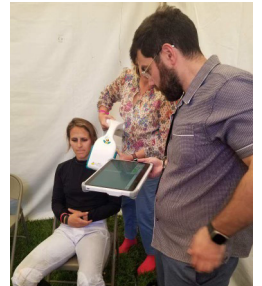
The pitcher was taken into the training room where the team's orthopedic surgeon was able to X-ray through the pitcher's cleats. Within seconds, the high-resolution images revealed a minute hairline fracture. With this information, the medical staff and the athlete decided it was safe for the pitcher to finish the game, ultimately leading his team to victory. The SMART-C®'s quick and reliable diagnostic information not only saved the game but also ensured the player's health was not compromised.

Case Study 2: Steeplechase Accident

Name and details used with permission

During the 2023 Maryland Hunt Cup timber race, Theresa Dimpfel, a professional-level steeplechase jockey, was injured when her horse fell and rolled over her.

SMART-C® was utilized in the medical tent at the race by Dr. Erica Gaertner, the official physician for the National Steeplechase Association. Diagnostic imaging with the SMART-C® determined that Dimpfel suffered an acromioclavicular separation of her left shoulder.



Footage from the accident



"The SMART-C® allowed me to get an immediate, definitive diagnosis on the field, saving me from a lengthy and expensive ambulance ride to the hospital ER."

— THERESA DIMPFL, STEEPLCHASE JOCKEY



Case Study 3:

Swift Recovery: How SMART-C® Transformed a Critical Moment in Professional Football

During a professional football game, a player sustained an ankle dislocation, leading to a temporary suspension of play. The injured player was being escorted off the field for X-ray and examination in the training room with the team's standard radiographic X-ray equipment.

However, the team physician intervened, requesting the use of the SMART-C® instead, due to the high image quality and motion imaging, which would give the physician more precise information about the athlete's condition. The physician positioned the player's ankle on the SMART-C® and immediately observed a dislocation. Utilizing fluoroscopy, the physician promptly realigned the player's ankle. Thanks to this swift and precise intervention, the player was immediately able to return to the game.

Case Study 4:

Protecting the Future: How the SMART-C® Safeguarded a Rising Football Star's Career

During a college football game, a quarterback sustained an injury to his thumb. Despite the player's assurance that he could continue playing, the team physician decided to utilize the SMART-C®'s fluoroscopic imaging for a more thorough examination. The physician determined the thumb was indeed injured and advised against the player returning to the game. Following this advice, the quarterback sat out for a few weeks, allowing his thumb to heal completely. This judicious recovery contributed to his outstanding performance, ultimately leading to the player to be selected as a second overall draft pick in the NFL. The immediate availability of the SMART-C® played a crucial role in preventing a more severe injury and safeguarding the player's future career.

