

Patent Granted for Technology to Detect Falsified or Exaggerated Injury Claims

New Technology by AvaSci Has Potential to Save Governments & Enterprises Billions

SPARTA, NEW JERSEY, USA, March 11, 2022 /EINPresswire.com/ -- A patent has been issued for a first-of-its-kind data analytics technology to detect falsified or exaggerated injury and workers' compensation claims.

"This patent marks potentially a new era for the massive waste and fraud that has beset injury claims for years," says Joe Luciano, founder and CEO of AvaSci, the company responsible for the patented new technology. "Prior to the AvaSci patent, there was no simple court accepted test for false or exaggerated claims."

Over \$200 billion in disability, workers' compensation and personal injury payments is distributed each year in the United States. Workers' comp spending has risen 23% over the last decade. Yet research shows 54.3 percent of claims are either feigned or exaggerated¹.

While the effectiveness of America's Workers' Compensation program and the validity of injury claims is a longstanding issue, challenges remain in addressing this critical and costly problem.

AvaSci, a provider of artificial intelligence solutions for healthcare and sports applications,

AvaSci Solution for detecting false Injury

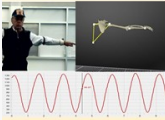
Managing employee injury has too many unknowns making it a complicated task. Now the **AvaSci** Injury Evaluation makes it easier.

Our patented solution provides easy to understand analysis of injury with our artificial intelligence-based identification of exaggerated or falsified injury.



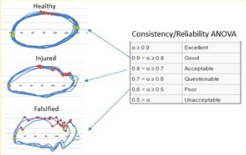
Is she injured or exaggerating?

When you want to know if you should quickly support the injury claim or resist it, simply call **AvaSci** and we'll come to your specified location. We provide medically trained attendants who will work with your medical evaluator to evaluate your employee.



We deliver:

- Video images with synchronized motion capture
- Detailed range of motion results
- **AvaSci's** patented injury evaluation analysis
- Calibration verification



Consistency/Reliability ANOVA	
0.9 >= 0.8	Excellent
0.8 >= 0.7	Good
0.7 >= 0.6	Acceptable
0.6 >= 0.5	Questionable
0.5 >= 0.4	Poor
0.4 < 0.4	Unacceptable

When you go to court, we will be with you to provide a detailed documentation and video evidence with supporting research and expert witness testimony. Contact us for more information.

Email – info@AvaSci.com Call – 800-401-2168

AvaSci has a full range of injury avoidance solutions to support your employee health needs.



AvaSci

Advanced Technology for Finding the Truth

Finding the truth

implemented their technology in Monmouth County, New Jersey. AvaSci's technology helped the County greatly decrease the volume of claims filed as well as losses, and now has its sights on doing the same for counties and large enterprises across the country.

"The court system currently has no tool to help determine whether a claimant is truly injured. Normally both sides present a doctor who claims the subject is or isn't injured. It's hardly ever black and white," said Michael Fitzgerald, Monmouth County Counsel. "This tool will not only bend the curve to a more equitable solution, but will also allow us to uphold justice within our courts. And knowing that this technology exists, I believe, has already served as a deterrent to those considering falsifying a claim."

The AvaSci Injury Evaluation (AIE) tool combines biomechanical data from motion capture technology with a movement algorithm aiming to make injury detection a data-driven decision versus a subjective judgment. Utilizing the same technology used in films and video games to produce digital models and characters, the AIE captures 100 frames per second. The points of inflection are measured and inputted into a computer application, which then conducts a statistical analysis at the sub-millimeter level to detect whether a person's movement is a genuine injury versus a feigning one.

The benefits of the tool are many:

- The technology deters false or exaggerated disability claims when claimants are aware of its use.
- Employers and insurers have a stronger defense in court.
- The technology helps improve claims management because better decisions can be made on what to settle and what to fight.
- It can also help employee health by identifying and avoiding potential injuries.

"AvaSci's ability to combine motion capture technology with data analytics capabilities allow us, for the first time, to level the playing field with injury claims," said William McGuane, Monmouth County Benefits Coordinator. "This is unlike any other technology out there and has the potential to completely change Workers' Compensation. Monmouth County can undoubtedly attribute drastic cost savings to AvaSci and its Injury Evaluation technology."

Three years ago, Monmouth County implemented employee injury screens using AvaSci's technology. The partnership later expanded to include pre-employment screens, allowing the data to help better manage claims and defend in court when needed.

"Having already experienced great success in Monmouth County, we see great potential here, particularly for government entities and large companies seeking to protect themselves from fraudulent claims and potentially millions of dollars lost," said Luciano.

Starting with a contract by a major golf equipment company to study how training could avoid golf injuries, Luciano's initial implementation of AvaSci's technology was geared toward fitness

and golf professionals, and was deployed within medical and sports facilities worldwide. The AvaSci Injury Test later shifted toward a different challenge when Luciano saw the potential to use the technology to bring hard data and truth to workers' compensation claims.

Luciano has worked on motion capture and its analytical applications for over 15 years. Before founding AvaSci, Luciano held various project management and IT positions for companies that include Mars Inc. and Novartis. Luciano has extensive experience in R&D within the healthcare industry and served as the Head of Research Technology and Corporate Systems while at Novartis.

About AvaSci

AvaSci is a leading provider of Artificial Intelligence solutions for healthcare and sports applications. The company has developed the AvaSci Injury Evaluation, which combines motion capture technology with data analytics to make injury detection data-driven, helping local industries and government agencies better manage workers' compensation costs. In addition to partnering with Monmouth County, New Jersey, the company has worked with manufacturers, universities and athletes, and seeks to help additional municipalities and large enterprises across the country. For more information, please visit <http://avasci.com/>. For a video demonstration of the AvaSci Injury Evaluation, visit <http://avasci.com/demonstration/>.

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