

EQUESTRIDE

EQUINE INJURY MANAGEMENT

A New Era in Equine Tendon and Ligament Recovery

Tendon and ligament injuries are among the most common musculoskeletal issues in horses, particularly in performance and sport horses.

Whether it's a strained suspensory ligament or a ruptured flexor tendon, these injuries have long been seen as career-ending, if not life-ending, for horses. For decades, treatment options have been limited to rest, hope, and time. But that's changing, thanks to a breakthrough innovation: EqueStride.

Developed by Irish design engineer and lifelong horseman Andrew Daly, EqueStride is a tendon-support system that's transforming equine tendon injury rehabilitation. It's not just a product, it's an entirely new and greatly improved method of treating these very common injuries. It is also the result of over 30 years of design, testing, veterinary collaboration, and a deep understanding of equine biomechanics.

Horses need to exercise during injury rehabilitation to maximise the quality of the healing. "The challenge has always been to create a support method that can truly take the load off a horse's tendons and suspensories during rehab exercise to prevent the dangerous loads that typically cause further injury during the rehab itself," Daly explains. "Many have tried to design such a support for equine tendons but none have succeeded, until now."

Daly's unique background bridges two worlds: he holds a Master's in Design Engineering from the Royal College of Art and Imperial College London, and comes from a show jumping family. His first encounter with tendon injury came in the 1980s, when his show jumping pony suffered a strain. That experience planted a seed that would grow into a lifelong mission.

PROVEN INNOVATION

EqueStride isn't Daly's first contribution to equine care. He previously developed the Dalmar tendon boot range, the first to use air-cooling technology to prevent tendon core overheating, a major cause of injury in racehorses and sport horses. That innovation, now widely adopted, was also born from collaboration with the RVC, where the

Engineering Meets Equine Insight

The concept behind EqueStride is deceptively simple: reduce the load on a horse's tendons during exercise to aid recovery. But in practice, it required years of research, testing, and refinement for it to work and for it to be safe. Horses generate over two tonnes of force through their tendons at a gallop, far beyond what traditional bandages or boots can manage.

By 2002, Daly had partnered with leading veterinary researchers to test his tendon support device. Professor Roger Smith and Professor Alan Wilson at the Royal Veterinary College (RVC) in the UK tested every conventional support method used to aid in the treatment of tendon injury including; Robert Jones bandages, neoprene boots and even casts. None made a measurable difference to tendon strain exerted by a moving horse.

"The RVC's findings were clear," Daly says. "The EqueStride device was the only support method tested in this study capable of taking the dangerous loads off the injured tendons and suspensories as they heal. This meant that for the first time it was possible to give rehabilitating horses sufficient exercise needed to achieve the maximum quality healing, with healthy longitudinal fibre realignment and in doing so, minimise the risk of re-injury at a future date".

These results were originally published in the Equine Veterinary Journal, giving EqueStride a level of scientific validation unmatched by any other support system on the market. More recently, an In-Vivo Validation Study has been published to further prove the effectiveness of EqueStride tendon support.

discovery of tendon core heat build-up during exercise was accurately measured for the first time.

After selling the Dalmar brand to Horware Ireland in 2010, Daly returned to his original passion project: EqueStride. The first commercial units became available in 2011, following nearly a decade of behind-the-scenes refinement.

“It was never about rushing to market,” Daly says. “It had to be right, safe, effective and practical for real-world use.”

Global Impact, Local Expertise

Today, EqueStride is used by veterinarians, trainers and riders around the world. From competition ponies to Olympic contenders, hundreds of horses have already benefited from this innovative technology. And with a growing network of global partners, EqueStride offers in-region expertise to ensure each rehabilitation programme is tailored to each individual horse's medical requirement.

LEARN MORE...

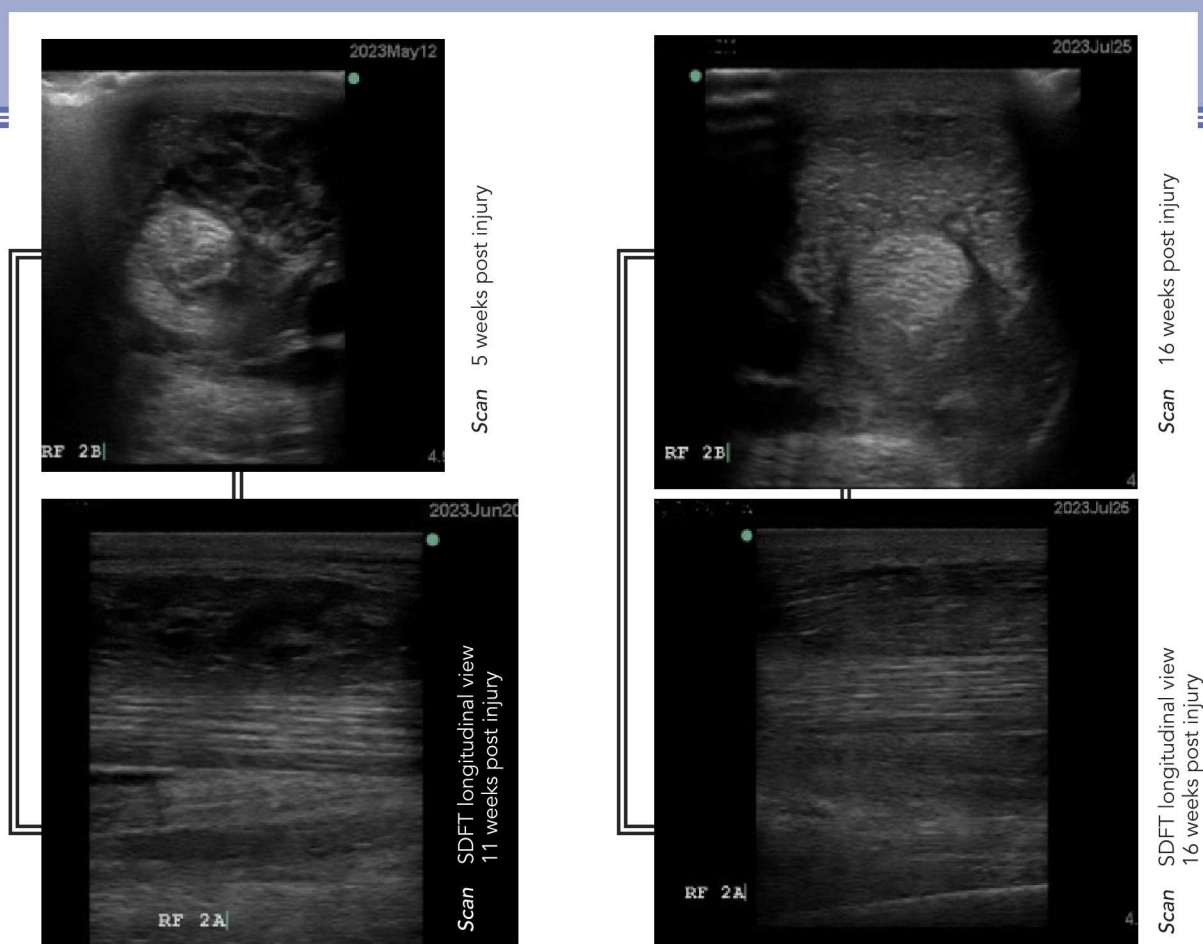
Whether you're managing a recent injury or looking to support long-term recovery, EqueStride offers a scientifically validated, field-tested solution. Visit EqueStride.com to explore how this groundbreaking system can support your horse's journey back to soundness. And, don't forget to follow 'EqueStride Injury Management' on FaceBook and Instagram



EqueStride Injury Management Case Studies

1. Severe Superficial Digital Flexor Tendon Injury (over 90% tendon rupture)

A 21-year-old Warmblood sustained an injury on the field. Was non-weight-bearing lame with severe swelling and “bowed” tendon. EqueStride treatment started 4 weeks post-injury. The rehabilitation protocol started with 24/7 support in the first 6 weeks, and gradually increasing in-hand walking, then ridden work in walk, trot and canter. Returned to soundness and previous level of athletic function within 8 months post-injury.

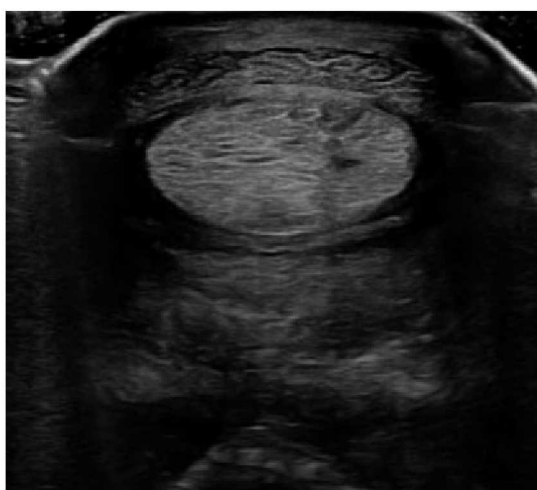


2. Traumatic Field Injury of a 2-year-old Warmblood

40% lesion in the Deep Digital Flexor Tendon within the tendon sheath, avulsion fracture of the navicular bone, impar ligament, lateral oblique sesamoidean ligament and distal digital annular ligament desmitis. The leg was placed in a cast for 4 weeks. PRP and shockwave treatment were used. EqueStride treatment started 11 weeks post-injury. The rehabilitation plan included 10-11 hours of small paddock turnout. EqueStride support was used for 8 months, and the horse returned to full soundness and was sent to a trainer to commence ridden work 1 year post – injury.



Scan 6 weeks post injury



Scan 18 weeks post injury, one month after EqueStride treatment

3. Chronic Suspensory Apparatus Failure

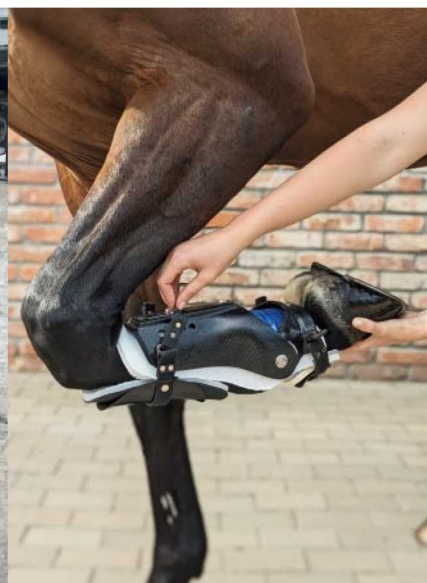
12-year-old Spanish gelding with dropping hind fetlocks due to chronic suspensory branch injury and consequence degenerative suspensory ligament desmitis.



Prior to EqueStride treatment



2 months post EqueStride treatment



The EqueStride Device in Use

Read more about EqueStride in the Irish Field: **TALKING TECHNOLOGY: EqueStride - The Irish innovation that rewrote the rules of tendon rehab:**

<https://www.theirishfield.ie/horse-and-farm-management/general/equestride-the-irish-innovation-that-rewrote-the-rules-of-tendon-rehab-873978>