



FES

Functional Electrical Muscle Stimulator

"I am using FES for horses with muscle spasms and atrophy, and have found the technology to be very useful in restoring muscle function. Horses with sore backs and necks, and those with muscle loss due to injury or surgery, are benefiting from the use of FES."

*Dr. Philippe Benoit
French Olympic Team Veterinarian*

"FES technology has given us another tool in the management of back and neck pain in the horse. We also find FES application to be helpful in building topline strength and restoring motion. It is helpful to have a safe, cost effective, and non-invasive therapy option."

*Dr. Timothy Ober
Show Jumping Veterinarian*

Profoundly effective for acute muscle spasms

"Our practice has used the EquiNew FES unit and we have found it to be profoundly effective for acute muscle spasm. Our primary uses are on backs and necks. For our stall rested or convalescing horses, we use the FES unit to stimulate back muscles in an effort to minimize muscle wasting."

*Dr. Roland Thaler
Dipl ACVSMR, ISELP*



The Equine
Therapy
Company

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LLC

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We have EQUINE in our name[™]





When controlled, symmetrical and precise movement is beneficial for healing, FES is the solution.

- Strengthen muscle
- Reduce muscle spasms and atrophy
- Pain relief
- Improve symmetry
- Stimulate deep muscle tissue
- Comfortable
- Safe
- Performance enhancement



Reduce back and neck pain – performance enhancement success

“Our caseload ranges from horses rehabilitating from injuries to top level athletes. We have been very successful in using the FES unit for treating back and neck pain as a result of muscle spasm and atrophy, as well as for building and maintaining topline musculature. The FES system is founded on evidence-based medicine with well-documented protocols and success rates.”

Dr. Kent Allen, FEI Veterinarian

Dr. Susan Johns, FEI Veterinarian

Dr. Cricket Russillo, FEI Veterinarian



Functional Electrical Stimulation (FES) is a computer-generated signal that mimics the body's own motor neuron function to produce a “functional” muscle contraction and relaxation. Horses find the treatments very comfortable due to the high quality and clarity of the signal.

FES has been proven effective for over 50 years in human rehabilitation to help maintain muscle function and mass with spinal cord injury patients and for cardiac pacemakers.

- Treats acute and chronic issues
- Reeducation of muscle memory
- Decreased rehabilitation time

Decades of research has documented the successful use of FES in humans. Read about the exciting new research on the use of FES for equine rehabilitation and performance enhancement.

- FES increases mitochondria to better oxygenate muscle
Schils S, Carraro U, Turner T, et al. Functional Electrical Stimulation (FES) for equine muscle hypertonicity: histological changes in mitochondrial density and distribution. J Equine Vet Sc 2015;35:907-916.
- FES is a safe treatment to reduce muscle spasms
Ravara B, Gobbo V, Carraro U, et al. Functional electrical stimulation as a safe and effective treatment for equine epaxial muscle spasms: clinical evaluations and histochemical morphometry of mitochondria in muscle biopsies. Eur J Transl Myol/ Basic Appl Myol 2015;25:109-20.
- FES benefits are long lasting
Schils SJ, Turner, TA. Functional electrical stimulation for equine epaxial muscle spasms: retrospective study of 241 clinical cases. Comp Ex Phys 2014;10(2):89-97.