THE TENEX HEALTH TX® EQ ADVANTAGE.

ADVANTAGE TECHNOLOGY FOR EQUINE MUSCULOSKELETAL HEALTH.



Tenex Health TX® System Console and TXB EQ MicroTip

DEBRIDEMENT WITH THE TX EQ MICROTIP FOR RAPID AND SAFE RESULTS.

Tendinopathy and desmitis are debilitating pathologies that can severely impact the utility and performance of the horse. Minimally invasive debridement with the ultrasonic Tenex Health TX® System and TX EQ Microtip offers the advantage of safely excising non-structural debris - allowing regenerative cells to populate the newly cleared space to restore function. Collagen Type I and III isomer profile present at injury returns to normal following the procedure.[1,2] In human patients, physicians have treated more than 100,000 cases with TX System technology with over 85% clinical efficacy.[3]

In a 2014 retrospective study, Dr. Plevin and Dr. McLellan reviewed the records of 896 two-year-old thoroughbred racehorses and found almost 10% were affected by suspensory branch desmitis.[4]

EQUINE APPLICATIONS:

- Diffuse Tendinitis
- Core lesions in SDF and DDF
- Suspensory Ligament Desmitis (Proximal and Body)
- Suspensory Branch Desmitis
- Removal of Dystrophic Calcification
- Annular Ligament Desmitis
- Distal Sesamoidean Ligament Desmitis
- Inferior Check Ligament Desmitis
- Fetlock Canal Adhesions
- Navicular Bursa Adhesions
- Osteochondroma
- Osteophyte-Associated Tendinopathy
- Enthesopathy
- Insertional Desmopathy



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Yellowstone Animal Health | 356 W. Yellowstone Avenue, Cody, WY 82414
Tel: +1 307-578-7877 **Contact:** info@yellowanimalhealth.com **Website:** TenexHealthEQ.com

TENEX HEALTH TX® EQ TECHNOLOGY FOR EQUINE HEALTH

The TX EQ MicroTip utilizes ultrasonic energy to cut and debride damaged tendon and ligament tissue.

- Percutaneous cutting and removal of diseased tissue restores natural tendon and soft tissue function.[2,5]
- Tendinosis results from repetitive microtrauma that exceeds the capacity to repair the tendon. Histologically, this is characterized by tendon degeneration without evidence of appropriate inflammatory response.
- Scar tissue in tendinosis has an increased content of Type-III collagen fibers.
- The ultrasonic debridement and removal of scar and necrotic tissue will stimulate a regenerative response with the development of neovascularization.[5]
- The TX EQ MicroTip debrides pathologic tissue (does not harm healthy tendons).
- Procedure may be performed in the standing horse or under general anesthesia.
- Procedure time is less than 10 minutes, with minimal aftercare.
- Stem cells (intralesional or via RLP) may be administered following procedure.
- Platelet-Rich Plasma (low-leukocyte) may be used following procedure.



Ultrasound guidance is used to identify pathologic tissue and guide the TX EQ MicroTip during treatment.



References

[1] Redding WR. Tenex Health Users Meeting. Minneapolis, MN. 2019.

[2] Kamineni S, et al. Ultrasonic debridement with stem cell therapy of suspensory branch desmitis in an equine patient. Open Vet J 2019;9(1):54-57.

[3] Data on file.

[4] Plevin S, McLellan J. The effect of insertional suspensory branch desmitis on racing performance in juvenile Thoroughbred racehorses. Equine Vet J. 2014 Jul;46(4):451-7.

[5] Kamineni S, et al. Percutaneous ultrasonic debridement of tendinopathy - a pilot Achilles rabbit model. J Orthop Surg Res 2015;10:70:1-8.

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