

The following equine conditions have been treated by veterinarians. Overall, these treatments have generally led to some very favourable outcomes:

Repair and Regeneration of Tendon, Cartilage and Ligament Tissue

- Tendon injuries
- Ligament injuries
- Cartilage injuries

Arthritis/Degenerative Joint Disease


Surgery - Adjunct Therapy

- Bone Fractures
- Joints

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Current Uses for Stem Cells

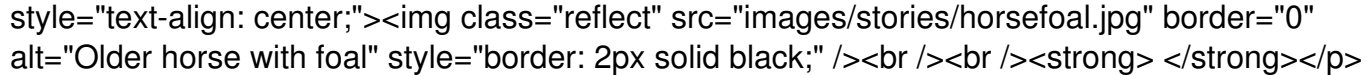
The AVSC's adipose-derived stem cell procedures are able to deliver significantly more regenerative stem cells than a fresh bone marrow procedure.

 **Equine Tendons and Ligaments**

In 2003, in the United States, Vet-Stem selected the treatment of equine tendons and ligaments as the first application for Vet-Stem Regenerative Cells (VSRC) therapy due to the significant impact that many of the injuries have on horses and horse owners. More than 400 US veterinarians are using Vet-Stem's services to treat tendons, ligaments, and joints. Recent independent studies have demonstrated improved healing and fiber patterns. Ultrasound images show a rapid filling of the injured site and elegant tendon regeneration.

Equine Degenerative Joint Disease (osteoarthritis)

Treatment of chronic degenerative joint disease with AVSC stem cells has proven to be effective even in chronic cases that are non-responsive to traditional therapies. Clinical improvements have ranged from modest improvement to life-saving. In cases of moderate to severe degenerative joint disease, Vet-Stem treated horses have shown clinical improvement for up to 48 months.



Equine Fractures

Successful fracture repair is dependent on the ability of the horse to generate enough new bone in time to stabilize the fracture before the onset of complications. The AVSC/Vet-Stem RCs are an excellent adjunct therapy to bone healing.

Non - Approved Applications

AVSC believes there are certain conditions in which stem cells will have little or no value including:

- Degenerative suspensory ligament desmitis*
- When a soft-tissue (tendon/ligament) lesion is not detected by current imaging modalities*
- When there is an infection present in the injured area*

Stem Cells should not be used if:

- Your horse has cancer
- Your horse has a systemic infection

Horse owners should discuss appropriateness of treatment for their horse and associated costs with an AVSC's authorized veterinarian.