

AVSC supplies stem cell treatments based upon the use of adult mesenchymal stem cells. The stem cells are sourced from adipose tissue.

Currently stem cell therapies are available to treat the following conditions:-

### Horses:-

- Ligament Injuries - eg Suspensory Ligament Injuries
- Tendon Injuries - Bowed Tendon etc
- Arthritis
- DJD - Degenerative Joint Disorders

There are basically two types of treatments using Adipose Derived Stem Cells (ADMSC).

1) **High concentration Pure cultured stem cells** - can be obtained from either the animal being treated but can also be supplied 'off the shelf'.

2) **Stromal Vascular Fraction ('SVF')** - must be obtained from the animal being treated.

### Support for the efficacy of Equine Stem Cell Therapy:

- AJVR- [Double Blinded Stem Cell Tendon Study](#)
- AJVR, Vol 69, No. 7, July 2008
- Suspensory ligament injury: 76% (47/62) returned to full work at the prior level.<sup>4</sup>
- Joint disease: 56.7% (34/60) returned to full work at prior level and 26.7% (16/60) returned to full work at a reduced level.<sup>3</sup>
- Tendon Injury: 77% (51/66) returned to full work at prior level and 17% (11/66) returned to full work at a reduced level.<sup>37</sup>

