

VetCell showcases the ultimate in platelet enrichment at BEVA

 VetCell introduced its exciting new method for platelet enrichment at the British Equine Veterinary Association (BEVA) annual congress in September, and it generated enthusiastic interest.

The Acelere™ fPRP system uses filter-based technology to provide equine vets with a safe, easy and economic way to obtain a concentrated solution of platelets in either the clinic or the field. The system has already been well-received by many equine vets in the UK who are utilising its potential in the treatment of equine suspensory ligament injuries.

Dr Marc Cronau of the Equine Sports Medical Centre in Bochum, Germany, has recently used the method to treat a five-year-old warmblood gelding with a substantial core lesion in the near fore check ligament (accessory ligament of the deep digital flexor tendon). He explains: "After five days of systemic and local anti-inflammatory

treatment we used ultrasound to inject Acelere™ fPRP into the lesion. After five weeks of box rest the horse was clinically sound in walk and trot and ultrasonographic examination confirmed that the ligament was completely healed. We were amazed. In our opinion The Acelere™ fPRP system is a very good option for cases such as this."

The Acelere™ fPRP system also holds economic advantages over other platelet enrichment techniques. It doesn't require a centrifuge or any other expensive capital equipment to process the blood. It results in an average 7.2 fold increase in platelet concentration and the platelet functional capacity is strong with high levels of PDGF release upon activation. The system is designed to provide a 7ml sample volume which is sufficient for most treatment regimes. It is therefore both cost-effective and more efficient than many of the other platelet enrichment techniques currently available.

The Acelere™ fPRP system procedures are now available by DVD or by downloading from www.vetcell.com.



VetCell helps put international showjumper back on course



 The successful international showjumper AD Chatwin, ridden by Brazilian Alvaro de Miranda, is back on form following the use of stem cell therapy to help repair a total rupture of the superficial digital flexor tendon.

The 15-year-old Holstein-bred gelding suffered the rupture to his near fore in July 2008. The severity of the injury was confirmed when the distal end of the tendon was located on the upper third of the metacarpus while the proximal end was found in the carpal channel of the leg. The horse was treated by Dr Marc Cronau of the Equine Sports Medical Centre in Bochum, Germany.

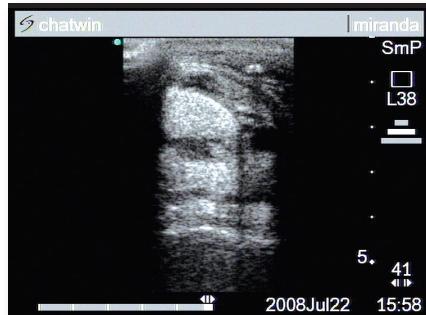
He connected both ends of the flexor tendon with plaited carbon fibre to provide a guideline for healing and at week three and week six injected mesenchymal stem cells directly into the carpal sheath.

Ultrasound examination four months after the final stem cell treatment revealed organised and thickened tendon tissue along the entire length of the carbon fibre insert. After a further four months of rehabilitation, which included aqua-training, the horse trotted up sound and without any gait irregularity, on a hard surface. Ultrasound showed organised tendon tissue and that

the thickness of the tendon had decreased considerably since the previous scan.

Dr Cronau explained: "It's not common practice to inject stem cells directly into the carpal sheath but because of the complete tendon rupture there was no real core lesion to be treated, so we had no other option. The intention was to regenerate tendon tissue instead of scar tissue and we were amazed with the ultrasound results." Just eleven months after the original injury AD Chatwin was jumping again and it is hoped that he will return to the circuit later this year.

After 10 days of Implantation



After 8 Month of Implantation

