Equine Regenerative Medicine at The UF Large Animal Hospital
March 2013

When you combine experience, state-of-the-art diagnostics and targeted treatments, you have the most cutting-edge sports medicine available to equine athletes.

Board-certified specialists in Surgery, Radiology and Sports Medicine at the UF Large Animal Hospital can provide consultations and treatments. Call us today to discuss options for your clients.

352-392-2229
www.largeanimal.vethospitals.ufl.edu

Regenerative Medicine Research (IRAP™ II) at UF College of Veterinary Medicine

Research into gene transfection of IL1-RA in horses has shown promising results in reducing joint inflammation and limiting damage. Read the full story.

Target Tissues for MRI, Ultrasound, CT or Endoscopic-Guided Injection

Tendon
Ligament
Joint/Tendon Sheath
Meniscus
Bursa

In Detail: Evidence Supporting The
Use of Regenerative Medicine

Bone marrow-derived stem cell therapy is one of the most studied regenerative therapies used for treating horses. Click to learn more about the studies that have been performed on proper collection techniques.

Referring a Client for Regenerative Medicine Services

Thinking about referring a client for stem cell, platelet-rich plasma (PRP) or autologous-conditioned serum (ACS) treatment or harvest? The following information may help in these discussions with your clients:

Bone-Marrow Stem Cell Therapy

Horses are admitted the morning of the procedure as outpatients (Monday-Thursday). Under sedation and local anesthesia, bone marrow is collected from the sternum. Samples are shipped to the laboratory for processing and culture-expanded stem cells in ACS are returned in 2-4 weeks. The injection-ready syringes can be shipped to UF for intralesional injection or be sent directly to your practice for treatment on the farm.

Adipose-Derived Stem Cell Therapy

Horses are admitted to the hospital (Monday-Wednesday) and fat is collected from the tail head region in standing surgery on the first day. The sample is shipped to VetStem® for processing and returning within 48 hours. Intralesional injections are performed before discharge. Package pricing includes three nights in the hospital.

Platelet-Rich Plasma (PRP) Therapy

Two forms of PRP are available at UF. Using a commercial kit, blood is collected from the patient and processed on-site. PRP is ready for intralesional injection within an hour. Alternatively, blood can be drawn and sent to an outside laboratory for processing. In 48 hours, the PRP is returned in combination with ACS for intralesional injection.

Autologous-Conditioned Serum (ACS) or Interleukin-1 Receptor Antagonist Protein (IRAP™ II) Therapy

Upcoming Events

UF College of Veterinary Medicine Open House
Saturday, April 13, 2013
Meet our faculty, watch live demos and tour the UF Veterinary Hospitals at our Annual Open House. Schedule and more information >>

Healthy Horses Conference
Saturday, April 27, 2013
Remind your clients about our annual Healthy Horses Conference. Registration information >>

Referring Veterinarian Appreciation Day
Saturday, June 22, 2013
Venue Change! This year, we are excited to host our full-day of cutting edge continuing education at the UF Veterinary Hospitals in Gainesville, Fla. A postcard will be mailed when registration is available. To ensure that we have your current mailing address, call us at 352-392-2229 to confirm or email vm-largeanimalhospital@mail.ufl.edu

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The UF Veterinary Hospitals’ MRI unit is a Toshiba Titan, ultra-wide bore high-field 1.5 Tesla
Two forms of IRAP/ACS are available at UF. IRAP™ II is made by incubating blood from the patient for 24 hours. The horse remains at the hospital overnight and the first treatment can be performed the following day. Additional samples can be shipped to the referring practice for follow-up treatments. Alternatively, ACS can be produced at the same time as stem cell expansion or PRP (see above). These therapies can then be used in combination for reduced overall cost to the client.

Additional Support Services for Our Referring Veterinarians

Farrier Consultations

When you refer a client for therapeutic shoeing, our farrier will perform a complete examination of the horse's feet including radiographs when indicated. By operating under the guidance of Board-Certified veterinarians, our farrier can address complex or chronic problems, apply therapeutic shoes or shoe for performance. We can also provide recommendations or instructions for follow-up care on the farm.

Call us at 352-392-2229 to set up a farrier consultation or visit our farrier webpage.

UF Veterinary Laboratories

Our Diagnostic Laboratories provide a large variety of diagnostic tests to compliment your practice. Feel free to call us at 352-294-4726 with any questions about routine testing, a challenging case or results, or to request shipping labels. Visit the UF Veterinary Laboratories website for more information. We provide:

- Accurate and timely laboratory results
- Phone consultation
- Courier pickup of samples
- Sample drop-off location in Ocala
- Flat-rate overnight shipping
- Online submission forms and instructions

Equine Clinical Trial: Melanoma Vaccine

We are recruiting gray horses with melanoma for a clinical research trial. More information >>