

Janssen Veterinary Clinic

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www.janssenvetclinic.com



Dr. Scott Thompson | Dr. Chris Ernst | Dr. Tad Thompson | Dr. Steve Nichols | Dr. Joan Norton | Dr. Tyler Simpson



Dear Clients and Friends,

Greetings from all of us at Janssen Veterinary Clinic! We are honored to have been given the opportunity to interact with you during the past year and look forward to the strengthening of our relations in the next. We welcome new clients to our practice and thank all of you that have recommended our services.



Janssen Veterinary clinic maintains our commitment to providing quality service and the dedicated attention your pets deserve. Our goal is to provide comprehensive diagnostic and medical support to your companion animals. During the past year, we have invested in our own professional education, personnel, medical equipment and facilities to enhance the diagnostic and treatment capabilities for quality patient care. Our commitment to educating you as the primary caregiver of your companion animal continues to evolve through client seminars and daily interactions. We are pleased to offer several educational events throughout the year and welcome you to attend.

We wish you and your family a safe and enjoyable year filled with good health.
Sincerely,

Scott



In this Issue

Cayenne's Tr-eye-al	2
New Staff	3
Janssen Family Update	4
JVC Genetics	4
40 Under 40	4
JVC University	5
Flea and Heartworm Preventatives	6
Puppy Preschool	6
Advances in Regenerative Medicine	7
PRP - IRAP - Stem Cell Therapy	7
Infectious Disease - Neurologic EHV-1	8
Travel Advisory - Equine Piroplasmosis	8
Early Detection	9
East Meets West - Marni	9
Canine CCL Repair	9

Cayenne's Tr-eye-al

"The eyes are the window of the soul." They help guide our horses through their daily lives and the jobs we ask them to perform. Injuries to the equine eye can be very painful and quite dangerous to the general health and vision of the horse.

When Cayenne's owner noticed that the 5-month old Quarter Horse foal was squinting and tearing, she recognized the signs of a painful eye and possible injury. Small scratches (ulcers) can be formed on the cornea, the clear outer layer of the eye, by bits of dirt and debris or a stray branch or even an unexpected poke from a piece of hay.



The cornea is one of the most sensitive tissues in the body, making an ulcer a very painful condition. Because of the nature of the horse's environment, all corneal ulcers should be considered infected with bacteria from the start. Leaving

them untreated can lead to serious infection that could threaten your horse's vision permanently. And while the majority of ulcers heal quickly with treatment, some types of bacteria are very aggressive and require intensive care.

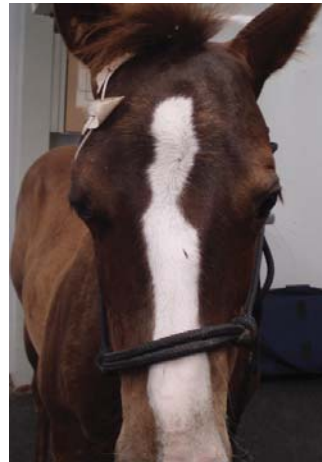
The bright green stain, fluorescein, when flushed into the eye will reveal areas of ulceration. Upon examination of Cayenne, we were able to see a small area where the surface of the cornea was damaged. Unfortunately, even with the proper treatments, Cayenne's eye worsened. Certain bacteria and many fungal species produce substances that can degrade the cornea, making it soft and cloudy, giving it a "melting" appearance. Melting corneal ulcers are true emergencies because the progression of corneal degradation can be rapid, leading to rupture of the eye and loss of vision. In some cases, surgery is required in addition to medical therapy to fix the defect.

When Cayenne was admitted to the hospital, the ulcer took up almost 75% of the surface of the eye and had nearly eroded the

entire thickness of the cornea. The eye was very close to rupturing! Intensive treatment was required to stop the ulcer from worsening and repair the cornea. Cayenne's owner elected to leave the foal and his mother, Maggie, at Janssen Veterinary Clinic for around the clock treatment.

A subpalpebral lavage catheter (SPL) is a soft flexible tubing system that delivers eye medications directly under the eyelid. Placement of an SPL allowed Cayenne's veterinarians to administer solutions without having direct contact with the eye. This is also much more comfortable for the patient and can prevent them from becoming sour about treatment time. Cayenne was treated with antibiotics, antifungal agents, anti-inflammatories and medication to dilate the pupil and make the eye less painful. Initially he was treated every 2 hours, 24 hours a day.

As the first few days passed, we were all happy to see that the ulcer was not worsening and slowly over time began to heal.



Blood vessels grew into the cornea from the outside edge, providing nutrition and healing factors to the cornea, and the ulcer began to shrink in size while the cornea stabilized. Cayenne became more comfortable and remained a bright, inquisitive foal who never became cranky about his frequent treatments. Large ulcers like Cayenne's can leave scars on the cornea. Even though the back of the eye, called the retina, was unharmed, his vision could still be permanently affected. However, three weeks later, the surface of the cornea was healed and no

longer took up green stain. There was only a small cloudy area remaining. Today you can barely tell which eye was the one with the problem!

Because eye problems can become serious very quickly, a veterinarian should evaluate horses with swollen, painful or cloudy eyes as soon as possible. Because the problem was recognized and treated aggressively, Cayenne can look forward to a full life with normal vision.



*At the 8th Annual Mutt Strut Humane Society Benefit, Strutting in Honor of Patrick Trainor—Indianapolis Motor Speedway 2011
indymuttstrut.org*

2

No philosophers so thoroughly comprehend us as dogs and horses.

Herman Melville



APRIL 13-15, 2012

INDIANA STATE FAIR GROUNDS

The annual Hoosier Horse Fair & Expo attracts many thousands of attendees, hundreds of commercial vendors, sponsors, clinicians, special entertainment, volunteers and, of course, horses, horses, horses! Plan the weekend for Education, Entertainment, and Great Deals.

Information & Advance Tickets are available online at:

www.indianahorsecouncil.org



Joan Norton, VMD, DACVIM

Dr. Joan Norton was born in New York and raised in the NY/NJ/CT tri-state area. She fell in love with horses at an early age and never had any doubt that veterinary medicine was her calling. She spent the majority of her childhood at the barn and traveling up and down the East Coast competing in the pony and junior hunters with trainer Carol Thompson. During high school she had the opportunity to train with Olympian Michael Page during the school year, spending her summers competing in the junior jumpers as a working student on the A-circuit with trainer Bert Mutch. Highlights of her equestrian career included championships at Lake Placid, Pony Finals and the Washington International Horse Show.

After her junior years, Dr. Norton's main focus became her education. She completed a bachelor's of science in Biotechnology at Worcester Polytechnic Institute in Massachusetts. During this time she was a volunteer foal-sitter and eventually NICU treatment nurse at Tufts University. She attended veterinary school at the University of Pennsylvania. Following her graduation in 2006, she completed an internship at Rood and Riddle Equine Hospital in Lexington, KY. She was trained in medicine, surgery and anesthesia and gained a great appreciation for the thoroughbred and standardbred breeding and racing industries. She was then accepted to a residency in large animal internal medicine at New Bolton Center at the University of Pennsylvania. At the completion of the three-year program she received her board certification and was named a diplomate of the American College of Veterinary Internal Medicine.

Dr. Norton has joined Janssen Veterinary Clinic with the intention of continuing to practice high quality medicine and developing a strong relationship with her clients and patients. Because of her training she is able to offer both on the farm and in house diagnostics and treatments for all internal medicine problems. This includes diseases of the GI tract, respiratory system, endocrine and metabolism imbalances, kidney and liver disease, neurologic impairment and ophthalmology. She also has a strong interest in neonatal medicine and early foal care, and offers a variety of wellness programs and packages for horses of all ages. When not at work she enjoys spending time with her family and pets and plays women's rugby with Northside WRFC based in Fishers. Dr. Norton looks forward to contributing to the client education events and becoming part of the community. Please feel free contact us for a list of her services and to schedule an appointment.



Tyler Simpson, DVM

Dr. Tyler Simpson grew up near Flora, IN, where he attended Carroll Consolidated. After graduating in 2000, he attended Wabash College in Crawfordsville, where he majored in Biology and minored in Chemistry and Psychology. He graduated cum laude from Wabash College in 2004 and began veterinary school at Purdue University later that fall. It was at Purdue that he met his wife, Allison, and they married in the summer of 2006. During vet school, Dr. Simpson performed an externship in Bradenton Florida at a multi-doctor small animal practice where he developed a love for surgery. In 2008, Dr. Simpson graduated from Purdue University with his DVM degree.

After graduation, Dr. Simpson worked in private practice for approximately two years in Kokomo, pursuing his interest in surgery, small animal internal medicine, and emergency medicine. In the fall of 2009, he took a position as an emergency clinician at Circle City Veterinary Specialty and Emergency Hospital, where he would later become the emergency team leader. After serving a year as the senior emergency doctor, Dr. Simpson returned to private practice at Janssen Veterinary Clinic.

Currently, Dr. Simpson lives outside of Burlington with his wife Allison, three cats, and his chocolate lab, Nestle. He is excited to be the new associate small animal veterinarian at Janssen Veterinary Clinic and hopes his skills as an emergency clinician and his interest in surgery will provide outstanding patient care. His current professional interests include small animal medicine, surgery, and emergency medicine. His extra-curricular hobbies include hiking, camping, martial arts, church group activities, gardening, cooking, and triathlons. His personal philosophy is, "No one cares how much you know until they know how much you care."

Dr. Simpson would like to take this opportunity to say thank you in advance for allowing him to take care of your four-legged children and he looks forward to a long relationship with you and your pets.

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3



Jenna Curtis

Jenna graduated with a Bachelor of Science in Animal Science from the University of Connecticut in June 2007. She then promptly moved to Indiana to work as an apprentice professional handler showing dogs. Jenna has been showing dogs since

she was six years old, and has competed all over the country. She started in competitive obedience and has transitioned into conformation competition. Highlights of Jenna's career include showing in Westminster for nine consecutive years, the Eukanuba Invitational, and the International Kennel Club. She was also featured on the Animal Planet television program "Dogs 101." Jenna grew up in Franklin, Massachusetts, where her family still resides. She is recently engaged and spends much of her free time on wedding details. Jenna has three dogs, Josh and Pebbles (7 & 11 year old English setters), and Belle, yellow lab, almost 2. Jenna enjoys reading, running, and spending time with her family, friends, and fiancé, Ben. In addition to her role as a small animal assistant, Jenna is also pleased to provide puppy classes, resuming in March! Please refer to the article on Puppy Preschool for more information.



Stephanie Batman

Stephanie joined our team as an equine veterinary assistant in January of 2011. Originally from Robinson, IL, Stephanie moved to the west coast and spent 14 years in the Sacramento area. While the restaurant business led her to California, the horse bug bit her after she arrived. She began taking riding lessons, and soon her new hobby had become her passion and she began her career in the horse business. Starting off as a groom at a dressage and hunter/jumper facility, she gained experience in assisting with the breeding program and training young horses as well as the management of the stable. In 2003, she moved to Terre Haute where she worked as a small and large animal veterinary assistant. Stephanie enjoys downhill skiing and also likes to read and play guitar.



Corinna Wagner

Corinna Wagner joined the JVC team in August 2011. Growing up in Taylorville, IL, she spent her afternoons working for the local veterinary clinic all through high school. Corinna continued her education in Early Child Development but never lost her love for animals. Corinna has raised Boxers, Bullmastiffs and American Bull dogs over the years. Having always wanted a horse growing up, Corinna made that a reality when she moved to Indiana and bought her first two horses. She started out trail riding then moved on to ride hunter/jumper. Corinna got PATH International (formerly known as NARHA) certified in 2008 and was able to combine her passions, children and horses. Corinna was barn manager for a therapeutic riding center in Zionsville before coming to work for Janssen's and currently teaches at a therapeutic riding center in Cicero. She resides in Sheridan with her husband Adam, two dogs Greta and Coco, and spends her spare time with her horse Chester.

In our newsletter, we like to provide education & information about some of the topics that are on your mind. In this issue, it's our pleasure to provide an updated answer to a question we field on a regular basis:

"Have you heard from Justin & Mary lately?"

We welcome the opportunity from Scott to update our friends in Indiana on our lives post JVC. The four years that have passed since our exit from Indiana have seemed like a couple of days or part of a lifetime depending on our state of mind. We do miss the opportunity to interact with you. Mary and I frequently play the game "Do you remember???" Usually between the two of us we can come up with the answer within 24-48 hours.

We feel blessed to be closer to family at this phase of our lives. Our four grandkids are a real delight and source of education to us. Ben and his wife Jodie are 350 miles away in Oklahoma where Ben continues to work for Cimarron Trailers. They have Blake, 6, a first grader, and Claire, 4, a preschooler, to keep their schedule full. Katie and John are 100 miles west and Katie continues to work for Elanco in their beef division and travels the eastern half of Kansas, so she's in our area about every other week. Usually she will bring along Josie, their 3 year old, to further our education. Having seen her almost weekly since her birth, we have been allowed the opportunity to observe her constant changes and learning steps. I missed or don't remember much of this age with Ben and Katie. Mary is 150% devoted to the grandkids when they visit and I'm just fortunate to get fed!

Mary has involved herself in our community and volunteers her time on the extension board, 4-H, and manages our church's thrift shop. She puts in 4-5 days a

week helping the other volunteers keep the store functioning. Occasionally it is a love-hate relationship, but she really enjoys the people who volunteer and the people who come in the store. Every day provides a life story and she feels good about the mission.



At times, I feel like I have been loafing the past four years. The urgency factor in my life is way low, and some days I look for jobs! I have had the opportunity to help out at Kansas State University Vet School and Animal Science departments a few times and I enjoy those times with students and faculty. I help an increasing network of neighbors, friends and family with their horses and beef cattle. I frequently have to jump start my "veterinary brain" back to life, as I am not the 24/7

veterinarian I once was. I still get a warm feeling helping people with their animals, and miss the staff and technology at JVC. The amount of time I have spent horseback has been an absolute blessing for me. The Flint Hills of Kansas where we now live provides some breath taking vistas of tall grass prairies and are a joy to ride. Helping friends manage their cattle from horseback is a blast for me and a bonus. I love the days I get to see the sun come up while riding horseback. Yes, I do hang on more than I use to and someone younger is starting my young horses. Life is good.

Our lives would be even better if you would write, call, e-mail or best stop in. We are 3 miles from I-70 and 2 hours west of Kansas City. We have had numerous Indiana friends stay with us and we treasure the part of their lives they chose to share with us. We have a variety of Kansas opportunities we'd like to share with you. We encourage you to contact us:

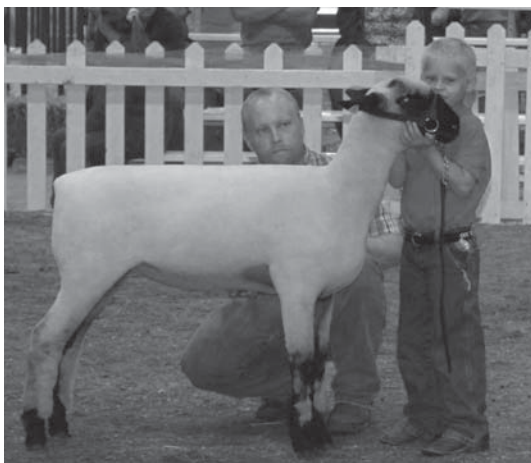
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27350 Paw Paw Creek Rd
Alma, KS 66401
785-765-2450 cell 785-844-1335
justinjanssendvm@gmail.com
marykjanssen@yahoo.com

Thanks for the past and looking forward to the future.

Fondly,

Justin & Mary Janssen

JVC Genetics Update



Dr. Tad Thompson & son Isaac showing their Reserve Grand Champion Hampshire ewe lamb at the 2011 Indiana State Fair.

JVC Genetics continues to grow and expand, providing services including laparoscopic insemination and embryo transfer, as well as semen collection, processing and storage for small ruminants.

FORTY Under 40

When Purdue University decided to highlight up-and-coming young alumni in a special feature issue, FORTY UNDER 40 – celebrating the best & brightest young Boilermakers, little did we know that one of our own doctors would be honored. The individuals were nominated from every department, through alumni, faculty, staff and friends. Over 350 nominations were researched and ranked by their respective departments at Purdue. Qualifications were based on the individual's ability to display vision, leadership and innovation in their career, recognition for professional expertise and achievements, and dedication to charitable and community involvement. Congratulations Dr. Scott Thompson for leading those at JVC, as well as contributing to the overall care and concern for the equine community in greater Indiana.

Introducing

JANSSEN VETERINARY CLINIC UNIVERSITY

FORTIS MENTE ET SANA EQUI

"Strong Minds and Sound Horses"



JVCU is an educational initiative designed to educate our clients in veterinary concepts. Through small classes, group lectures and online courses we can provide you with the knowledge to help keep your horse safe and healthy.

First Sessions beginning in Fall of 2011.

Beginner Equine Education

Who should attend?

- New horse owners
- Owners involved in their horse's healthcare
- Junior riders
- Anyone considering a veterinary career

What will be covered?

- General Anatomy and Physiology
- Emergencies and First Aid
- Basic Nutrition and Dentistry
- Most Common Causes of Lameness
- Internal Medicine Diseases
- Legal Issues Facing the Horse-owner
- Searching for "The Truth" online
- Hands on Wet Labs

Advanced Equine Education

Who should attend?

- Graduates of the Beginner Course
- Farm Managers and Trainers
- Experienced horsemen with a medical background

What will be covered?

- Advanced Anatomy and Physiology
- Colic - A Pain in the Gut
- Herd Health - Vaccines, Deworming
- Interpreting Basic Blood Work
- Emergencies & Hospitalization
- Geriatric Medicine
- Performance Horse Lameness
- Breeding and Foal Care
- Hands on Wet Labs



Limited to 15 students per session.

Courses will meet each Tuesday night from 7pm to 9pm for 5 sessions.

Each class will include lecture, lab and interactive sessions.

Take home assignments will be available for additional learning opportunities.

Tuition includes lectures, binder of all course handouts and all wet labs.



Tuition:

Beginner Course- \$250

Advanced Course - \$250 or \$175 for graduates of the Beginner Course

Dates:

Beginner Class: October 18- November 15th 2011

Advanced Class: January 10-February 7th 2012

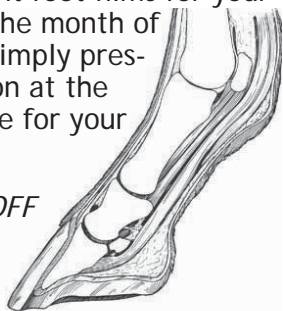
Call (317) 758-4865 or email info@janssenvetclinic.com to RSVP



NOTE: JVC will continue our traditional larger format Client Education series as a benefit for our clients. The courses listed above are a smaller scale format for more interaction and detailed learning.

"No hoof, no horse."

To get the best hoof care for your horse, you should have your vet and farrier work together! X-rays give us a detailed look at the hoof and coffin bone, allowing us to evaluate the position of P3 and the hoof wall, sole thickness and hoof balance. This information lets your farrier trim your horse precisely and place shoes that best meet their individual needs. Our digital radiographs provide instant and high quality images that can be viewed by your farrier before he or she shoes your horse. These films can be viewed on site at our clinic or emailed to the farrier of your choice. To promote the use of this invaluable tool, we are offering a special on front foot films for your horse during the month of March 2012. Simply present this coupon at the time of service for your discount.



\$35 OFF
Front P3 Films

March is P3 Radiograph Month!

Flea and Heartworm Preventatives

Many of you have experienced the frustration of flea preventatives not working up to expectation the last few years. At JVC, we have directed many of our clients with canine patients to Comfortis. Comfortis is a flea preventative that is manufactured by Elanco, the animal health division of Eli Lilly & Co. We are excited that Elanco has just introduced a flea and heartworm combination.

Trifexis is a monthly medication brings together the active ingredient in Comfortis with milbemycin, a heartworm preventative. Milbemycin continues to be marketed as Interceptor by Novartis.

We look forward to assisting you with preventative choices for both your canine and feline friends.

What a CUTE puppy!!

Congratulations on the newest addition to your family!



What next? Join us at **Puppy Preschool**. This six week course is designed for puppies ages 12 weeks through 6 months at the start of class. The major part of this course will be puppy socialization. During this process, the puppy will be introduced to and familiarized with new experiences and living beings in its environment. This is a crucial period in your puppy's life. Positive experiences and proper socialization will make a happier more confident member of your family. The course will also address common puppy behavioral problems such as nipping/biting, destructive chewing, jumping, walking on a leash, and house training. We will also offer insight into very beginner obedience such as sit, down, come, and stay. We will focus on these core topics and others that may arise during training. This course will be tailor made to the owners' needs and wants. The puppies will be trained using positive reinforcement, encouraging the desired behavior through praise and treats. The reward is what most motivates your puppy. We look forward to seeing you and your new family member at puppy preschool. Classes starting in March 2012.

FINANCIAL POLICY: COMMUNICATION AND UNDERSTANDING OF FEES AND FINANCIAL POLICY ARE VITAL TO DEVELOPING AND MAINTAINING A PROFESSIONAL RELATIONSHIP BETWEEN OWNER AND VETERINARIAN. PAYMENT IS EXPECTED AT THE TIME SERVICES ARE PROVIDED. WE ACCEPT CHECK, CASH, VISA, MASTERCARD, DISCOVER AND CARECREDIT. WE ALSO REQUIRE THAT A CURRENT CLIENT REGISTRATION FORM BE ON FILE.

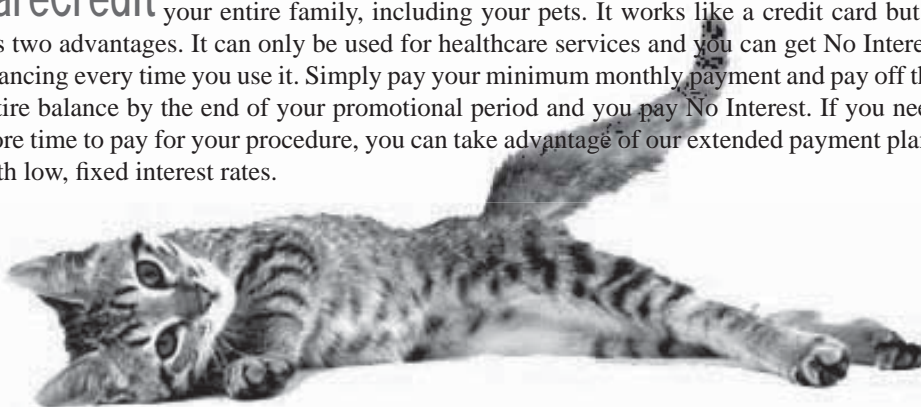
Don't Forget!

Equine Dentals. The Off Season is a great time to "brush up" on dental maintenance. Having your horse's teeth floated regularly helps with better utilization of feed, comfort in the bit, and keeping teeth healthier longer.

Find out if your horse should have his teeth floated this winter. Ask for a dental exam with your fall vaccines.

Hi kids! Find the words below in the puzzle. The words all have something to do with Janssen Veterinary Clinic!

CareCredit is a personal line of credit for healthcare treatments and procedures for your entire family, including your pets. It works like a credit card but it has two advantages. It can only be used for healthcare services and you can get No Interest financing every time you use it. Simply pay your minimum monthly payment and pay off the entire balance by the end of your promotional period and you pay No Interest. If you need more time to pay for your procedure, you can take advantage of our extended payment plans with low, fixed interest rates.



F Z X I S C B S C L Q D R W T
M G E I W I A H S J A O H R G
D H V Q R N B E J H T T A I O
H O R S E I N R T C E C N W G
C N O K Q L W I O M T E A E B
V E T F K C W D R O A T P E D
U L H X J Y L A R O E B A C I
B I H Q P G S N N R A B O V D
W W T X O J G X M X E T C Q H
S T A D F A I R P T S F M E R
E G C W K N E S S N A J O B S
N M S F V J Y F C L O C U K N
D Y I N D D J F I H Y K S E U
T K V Z D R B E R P V R E J R
O T O A E N Q T C M R E Q Q F

BARN CAT CLINIC DENTAL DOCTOR
DOG FOOD HORSE JANSSEN MOUSE
SHEEP
SHERIDAN TRACTOR VET
WATER

Advances in Regenerative Medicine

We are proud to introduce the expansion of our newest treatment modalities in regenerative medicine. Janssen Veterinary Clinic is now offering Platelet Rich Plasma (PRP), Stem Cell, and Interleukin-1 Receptor Antagonistic Protein (IRAP) therapies.

Platelet Rich Plasma, or PRP, is blood plasma with highly concentrated platelets. Platelets are a specialized type of blood cell involved in injury healing. While a normal concentration of platelets circulating in your blood is 200,000 per micro liter, the platelet count in Platelet Rich Plasma will be 4x or greater above baseline.

Platelets also contain large reservoirs of natural growth factors. When concentrating platelets, seven fundamental protein growth factors are also concentrated. Clinical data has shown that the concentration of these growth factors can help optimize conditions for healing in both soft tissue and orthopedic injuries.

PRP is made by collecting whole blood from your horse or small animal, placing the blood into a specially designed

machine that separates the red and white blood cells, while concentrating the platelets and healing factors. Since PRP is autologous or from "self," there is minimal chance of reaction or adverse effects from the PRP.

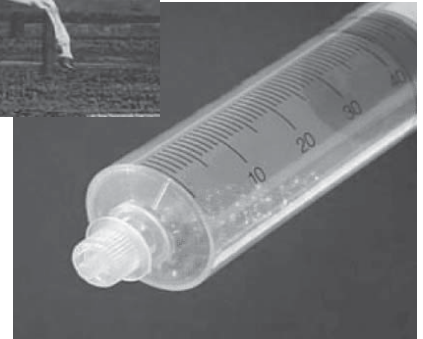
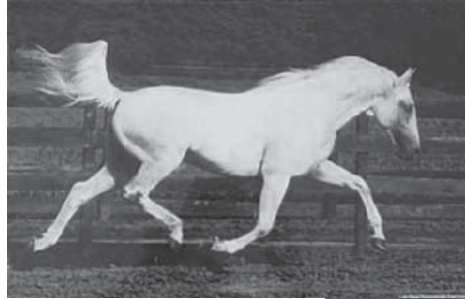
Stem cells are characterized by the ability to renew themselves and differentiate into a diverse range of specialized cell types. There are two broad types of mammalian stem cells including embryonic and adult. We are utilizing the adult stem cells which act as a repair system for the adult tissues.

We can harvest these adult stem cells from one of two locations, either from fat tissue or bone marrow. Once collected, the samples will be processed, concentrating the stem cells and healing factors for administration into the injury. Since this product is also autologous, there is virtually no side effects to its use.

Interleukin-1 Receptor Antagonistic Protein, also known as IRAP is a naturally

occurring protein that serves as an anti-inflammatory within the body. IRAP's primary use is for the treatment of orthopedic issues related to lameness. Synovitis, or inflammation of the joint lining, is one of the most common causes of joint inflammation. Synovitis can be present by itself or in conjunction with osteoarthritis. Osteoarthritis itself is a major cause of lameness and decreased performance in our equine athletes. IRAP gives us the opportunity to naturally and safely treat these joints. This is not a replacement for more conventional therapies; however, it is another alternative to aid in the long term health and well-being of your equine athletes.

IRAP is isolated by sterile collection of whole blood from your animal, which is then incubated for twenty four hours before it is processed into multiple aliquots which can be frozen for later use. Please consult with your doctor if you have more questions.



PRP - IRAP - Stem Cell

More on Stem Cell Therapy

There has been a lot in the news lately about stem cell therapy. Stem cells are broadly defined as undifferentiated cells that possess the ability to divide for indefinite periods in culture and may give rise to highly specialized cells of each tissue type (mesoderm, ectoderm, and endoderm).

Stem cells are further categorized as either embryonic or adult-derived. Embryonic stem cells are derived from embryos; more specifically from day 8, pre-implantation blastocytes. More recently advances have been made so that embryonic cells can be generated from adult fibro-

blasts using many of the same technologies that were used to clone Dolly the sheep. In contrast, adult-derived stem cells can be obtained from bone marrow, fat, umbilical cord blood, muscle, and many other tissues including cartilage, bone and tendon.

The most common uses for stem cells in our animal patients has been to help heal tendon and ligament injuries and to a lesser extent cartilage damage. By placing these undifferentiated cells into an injury site, the stem cells have the ability to differentiate into the damaged cell type and recruit other healing factors into the affected area.

The most common source of stem cells used currently is from bone marrow or fat. Bone marrow derived stem cells

are produced by aspirating bone marrow from the patient and culturing it to grow a certain number of stem cells from it. This process can take 2-6 weeks. Fat derived stem cells are produced by surgical removal of fat from the animal and the laboratory uses techniques to digest the fat and produce stem cells. This is a 48 hour process but the cells are viable for only a short period of time.

An umbilical cord harvest from your companion animal is available for cryopreservation for your beloved family member in case the need should arise in their lifetime. A doctor would need to be present for the birth for a proper harvest of the stem cells. Don't hesitate to contact us with questions.

INFECTIOUS DISEASE & TRAVEL ADVISORY

Neurologic EHV-1 Update

This spring, an outbreak of the neurologic form of Equine Herpes Disease (EHV-1), also known as Equine Herpes Myeloencephalopathy (EHM) spread throughout the western US and Canada. The outbreak was traced back to the National Cutting Horse Association Western National Championships in Ogden, Utah. Thanks to the hard work of the USDA and all the local veterinarians, this outbreak was contained quickly and on June 22, 2011 the USDA issued its final report:

Summary Information on Current Situation

- Owners of horses known to have been exposed in this incident have been contacted by State Animal Health Officials.
- Suspect and confirmed cases are reported to be under voluntary or state quarantine.
- Known exposed horses are reported to be under either voluntary or state quarantine.
- A total of 90 confirmed EHV-1 or EHM cases were reported in 10 states (AZ, CA, CO, ID, NM, NV, OK, OR, UT, WA)
- Of the 90 confirmed EHV/EHM cases, 54 cases were horses that were at the Ogden, Utah event.
- There are 13 horses associated with this incident that are dead or have been euthanized.
- There are 0 newly identified premises with suspect or confirmed cases identified this reporting period.
- With no new cases and no new affected premises, disease spread in connection with this incident has been contained. No further situation reports will be generated.

EHV-1 is a highly contagious virus that is spread from horse to horse through direct contact, on feed, tack and equipment or on the clothes and hands of horse owners. Most commonly, EHV-1 causes respiratory disease or abortion in horses, but a random mutation has led to a neurologic form that affects the brain and spinal cord. The incubation period is typically 2-10 days. Signs of

EHM include; fever (>102F), nasal discharge, lack of coordination, hind-end weakness, lethargy, urine dribbling and diminished tail tone. Horses with severe clinical signs of neurological EHV-1 illness are thought to have large viral loads in their blood and nasal secretions and therefore, present the greatest danger for spreading the disease. Immediate separation and isolation of identified suspect cases and implementation of appropriate biosecurity measures are key elements for disease control.

Diagnosis is made from blood samples and nasal swabs and can detect the disease even in horses that are not yet showing clinical signs. Treatment generally consists of supportive therapy; intravenous fluids and nutrition, anti-inflammatory drugs and other intensive care. Anti-viral drugs are available but their use has had varied success in horses and research is currently underway at University of Oklahoma to find an effective and affordable drug to use in these cases. Prognosis depends on severity and duration of signs. Vaccines are available against EHV-1 unfortunately these vaccines do not protect against the mutated strain that causes neurologic disease. It is still important to ensure that your horse is up to date on EHV-1 vaccination and to follow good hygiene and quarantine protocols when bringing new horses on your property or returning from a horse show or event. Contact JVC to devise a preventative protocol for your horses.

Breaking News... Two completely unrelated outbreaks of EHV-1 have been identified within a week of publication. One incident was in California where 8 horses were tested positive for the disease. The other situation occurred in Tennessee where 5 horses tested positive at the Dixie Stampede in Pigeon Forge, TN. These horses were quarantined at the facility as well as at the University of Tennessee Veterinary School. No new cases have been reported in the last week and both the outbreaks are considered well contained.

8

Equine Piroplasmiasis

Equine piroplasmiasis is a disease caused by one of two parasites (*Babesia caballi* or *Babesia equi*). The parasite lives within the red blood cells and is transmitted between horses by ticks that live in warm weather climates. Clinical signs are secondary to damage to the red cells. Some horses are infected and show no signs but some may become dull and lethargic with pale or yellow gums and an increased respiratory rate. Infection may persist for life, even after clinical signs have resolved. The disease is usually only seen in warm weather areas (Texas and southern Florida have had outbreaks in recent decades).

Some current (Sept. 2011) requirements for piroplasmiasis testing include:

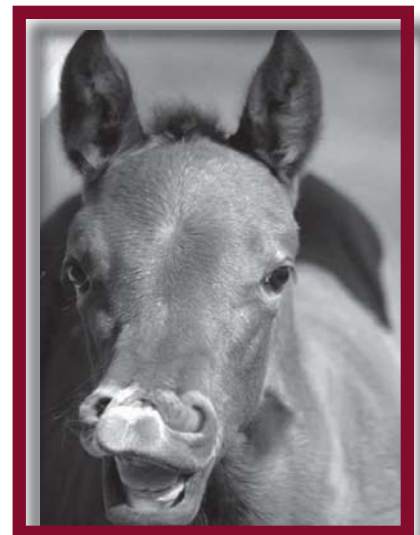
AQHA: All horses entering the World Show facilities in Oklahoma City, Amarillo or Houston are required to have a negative test within the past 6 months. The Ohio Quarter Horse Association will require certification of a negative blood test within one year prior to entry onto the show grounds for all horses entering the Ohio Expo Center for the All American Quarter Horse Congress, EXCLUDING horses travelling from Canada.

KENTUCKY: All horses (regardless of breed) entering a facility that hosts Quarter Horse or Standardbred racing must have a negative test within the past 12 months. Thoroughbred facilities are no longer requiring testing.

FLORIDA: All Thoroughbred and Quarter Horse race tracks, including Palm Meadows Training Center and Ocala Breeders Services events require a negative test.

MICHIGAN: No longer requires piroplasmiasis testing.

State and track/showground requirements may change at any time and it is important that you contact the event coordinator to ensure you have the proper testing and paperwork to enter the facility. The test can take up to two weeks to get results, so please plan your travel accordingly!



Early Detection; Saving the Life of the One's You Love

What if you could prevent your best friend from getting sick? What if you were able to intervene before your pet had to be hospitalized or undergo extensive testing? Did you know that catching a disease early can be the difference between easy treatment and making a difficult decision to let go? At JVC, we believe that our clients should have the choice to be as proactive in their pets' general health as they are in their own health; for this reason, the Small Animal Clinic is pleased to introduce wellness screening for both dogs and cats. Starting this year, we will be offering wellness screenings at a discounted rate to patients of all ages because we know that your pets are important to you. Our individually tailored, age-specific, laboratory panels will aid in the early detection of a multitude of diseases. We will be speaking with you about these options during your upcoming annual wellness visits. As in human medicine, early detection can save lives and add years to your pet's life. If given the chance to help your best friends live a longer, happier, and healthier life, how could you choose not to?



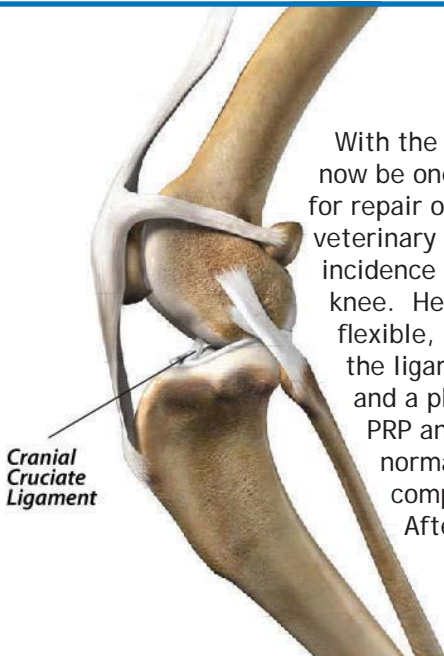
East Meets West . . . The Medical Treatment of Marni

East meets West: The Medical Treatment of Marni On August 22 of last year, the "super quick" Marni escaped from her owner.

While away from her owner, she was involved in a motor vehicle encounter that resulted in significant injuries. Her injuries were not immediately life threatening, but very serious none-the-less. Upon presentation at our hospital, Marni was walking under her own power with the slightest trace of a limp. Abrasive injuries were present on both rear legs. And although Marni's attitude was very positive, her tail didn't reflect her spirit. Further examination revealed that she had no ability to move her tail. She also had no anal tone (loss of muscle control of the anal opening.) Radiographs were taken

and they revealed an avulsion of her tail at its base. The term "avulsion" is used when something is torn from its connection. Consultation with a specialist regarding Marni was not positive. The specialist was concerned that she would never regain the ability to control urine or fecal output. His recommendation was euthanasia. Marni, however, was not a candidate for euthanasia, because of both her attitude and her owner's. Collectively, we made the decision to give her an opportunity. Initially, the focus was on the lesions on her legs. Pain and infection control were achieved using "Western" medications. Additionally, LEPT (low energy photon therapy) was used to encourage healing of the wounds. They were bandaged with Zi Cao Paste (Chinese herbal paste). The bandages were changed often to enhance the healing process. While the lesions on her legs were responding well, she began to experience complications with her tail injury. Large pockets of blood formed

over her hips, where the tail had been avulsed. Marni also began to chew at her tail—the sensation was altered secondary to the injury. The result was self-mutilation. An oral Chinese herb, Yunnan Baiyao, was started to control bleeding at the injury site. The herb was also used to help control hemorrhage associated with surgical amputation of Marni's tail. Marni proved to be an exceptional healer. By the first of October, Marni's leg injuries were resolved. Her amputation site was also healed. And most remarkable of all, Marni was no longer incontinent. Marni's case required a multi-modal approach. Conventional medications, surgery, acupuncture, Chinese herbs, and LEPT (low energy photon therapy) came together to give this very special "spirit" a second-chance. Marni continues to do well at home, and with all she gained back, doesn't even seem to miss the several inches of tail that she lost.



INTRODUCING CCL REPAIR now at Janssen Veterinary Clinic!

With the arrival of Dr. Simpson at the small animal clinic, we are pleased to announce we will now be one of the few clinics in the surrounding area to offer a surgical option to our clients for repair of ruptured cranial cruciate ligaments (blown ACLs). Dr. Simpson uses the latest in veterinary advances to help stabilize the knee so that his patients have less lameness, a lower incidence of long term arthritis and joint pain, and a smaller chance of rupturing their other knee. He utilizes a lateral suture technique in which an incredibly strong (nearly 500# test), flexible, and durable synthetic fiber, is passed from the dog's femur to their tibia mimicking the ligament that was ruptured. The surgery is followed by a therapeutic laser treatment and a physical therapy routine to be done at home. Regenerative Therapy options such as PRP and stem cell therapy to aid in healing are also available. Typical patients return to normal running and playing within one month and have far fewer joint aches and arthritis compared to clients that elect not to perform surgery. Schedule your consultation today. After all, "You can't keep a good dog down!"

(317)758-4865 www.JanssenVetClinic.com
janssenvetclinic@sbcglobal.net (317)873-5353

Recognizing the strong human-animal bond, Janssen Veterinary Clinic strives to provide optimal patient care and quality of life through preventative medicine, education, respect and our commitment to excellence.

Mission Statement



Janssen Veterinary Clinic
2420 W. 236th St
Sheridan, IN 46069



CLIENT EDUCATION EVENTS

YOU ARE INVITED
TO

JANSSEN VETERINARY CLINIC

Located at
2420 W 236th St • Sheridan, IN

Tuesday, December 6th, 2011

7 p.m. to 9 p.m.

Topics include: Reproduction
and Early Foal Care

Wednesday, February 1st, 2012

7 p.m. to 9 p.m.

Topic: Sports Medicine

Please join your fellow equine enthusiasts for these learning opportunities.



Please RSVP: (317) 758-4865 • Facebook • info@janssenvetclinic.com