

Janssen Veterinary Clinic



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Dr. Scott Thompson | Dr. Julie St. Peters | Dr. Chris Ernst | Dr. Tad Thompson | Dr. Steve Nichols



Dear Clients and Friends,

I hope this newsletter finds you and your family safe and enjoying the time spent with your companion animals. The JVC family has enjoyed the opportunity to work with you this past year. We look forward to a continued relationship in 2009.

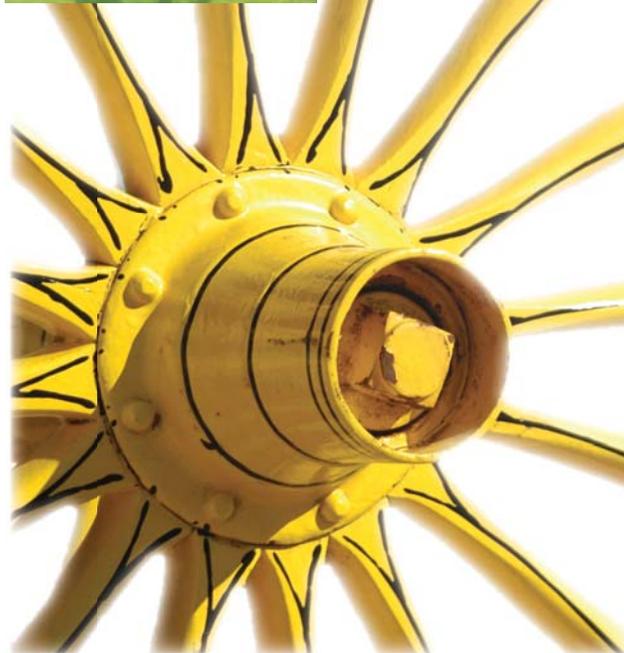
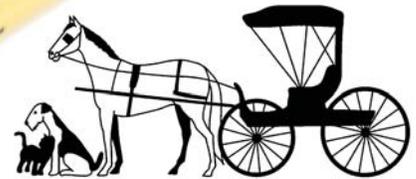
The winter season has proven to be a busy time for JVC. We have been involved in many activities including: hosting an educational program for the Indiana Association of Equine Practitioners, supporting the Indiana Farriers Association by hosting a two day short course, serving as a tour site for National FFA Convention, and conducting multiple lectures and wet labs for Purdue University students, 4-H, and Pony Club members. JVC truly values a commitment to education and giving back to the community. We are pleased to share our knowledge with others.

Outstanding individuals have joined the JVC team within the last year. The team is dedicated to JVC core values and determined to make a positive impact each day. It is an honor to be surrounded by such good people.

This season, we want to express our gratitude to you for allowing us to provide veterinary services for your companion animals. Our commitment to provide optimal patient care and service remains strong. The trust, respect, and faith we share, gives us great pleasure to serve you.

Sincerely,

Scott



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Equine Gastric Ulcer Syndrome (EGUS)

Did you know that a horse's stomach could produce up to 16 gallons of acidic fluid every day? Excess acid in the horse stomach is the main cause of EGUS. Gastric acid can eat through the protective lining of the stomach causing painful ulcers. In a natural grazing situation, a steady flow of gastric acid is necessary for proper digestion of food. The intake of roughage produces saliva that acts as a buffer; therefore grazing horses rarely suffer from ulcers. In reality, many of our horses do not graze constantly and the opportunity for EGUS is great.

With the added stresses of training, hauling, and competition, excess acid can easily build up and cause gastric ulcers. Most gastric ulcers occur in the squamous mucosa area of the stomach, which is highly sensitive to the gastric acid. The only sure way to diagnose gastric ulcers is with a gastroscope that is passed much like a NG tube (used for tube deworming or administering mineral oil to a colicky horse). A fiber-optic light source and camera within the scope allow for observation of the stomach lining. The degree of ulceration is graded on a scale of 0 (normal) to 3 (extensive lesions). The clinical signs of EGUS may include:



- Change in attitude
- Change in eating behavior
- Recurrent colic
- Less than optimal performance
- Diarrhea
- Poor hair coat

Once EGUS has been diagnosed, an appropriate treatment plan can be made. GASTROGARD (omeprazole) Paste is the first and only FDA-approved medication to treat and prevent the recurrence of stomach ulcers in horses. The duration of therapy will be dependant on the severity of the ulcerations and progression of healing as determined by a follow-up gastroscope.

If you suspect your horse may have signs of EGUS, one of our equine veterinarians will be happy to answer any questions and consult with you regarding your horses' condition and our video endoscopy system.



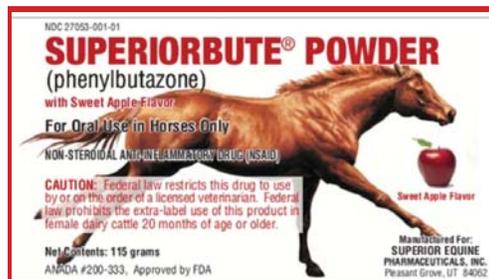
Healthy, nonulcerated stomach lining



Mild ulcers, small lesions (damaged tissue)



Moderate ulcers, large lesions



Easy to Administer

1 concentrated 3.5 cc scoop = 1 g of bute. Mix this with your regular feed—the fine grain powder coats the feed and doesn't sift down to the bottom of the grain bucket.

Improved Taste

Sweet apple flavor covers the bitter taste of bute. 98% of horses in race training consumed their grain medicated with SuperiorBute Powder (250 horse sample). In our own small sample testing, Karen took some home to try with the notoriously fussy Gambit. He licked it off her hand.

Child Resistant Lid

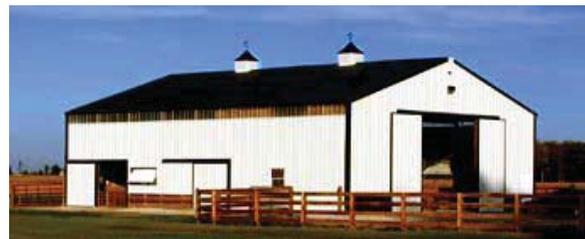
Since it tastes better (and smells like candy)—best to be safe.

FDA Approved * 2-Year Shelf Life

JVC Genetics Update

JVC Genetics has recently completed its second year in offering specialty reproductive services in small ruminants. This has been a very exciting year packed with many changes and growth.

During the 2008 breeding season, JVCG had the opportunity to laparoscopically inseminate over 360 ewes in five different states. We also performed 44 embryo flush procedures between Indiana and Maine with a 6.4 recovered embryo average. We are very excited about the growth, opportunities and diversity that JVCG has to offer.



One of the most exciting developments of 2008 includes the opening of our new small ruminant embryo transfer facility. The facility is located between state road 47 & 32 just east of Lebanon, IN. Our donor facility is designed around high health standards, and providing

unique industry leading services. The facility allows us to be more efficient in the handling of each donor and allows for individual management of those special needs cases. Within the new facility is a surgical suite complete with an isolated embryo grading and manipulation room.

JVCG has also continued to offer services in ram semen collection, freezing and marketing. In 2008, we collected more than 55 rams and catalogued over 2500 straws of semen. Our future plans include the development of a website that enables clients to locate information about the various rams available within our catalog, as well as outside semen from across the country.

2009 looks to have as much promise and potential as 2008. We are looking forward to expanding our services into the Boar Goat and Whitetail Deer industries. Most importantly, we would like to thank all of the supporters and clients of JVC Genetics. It has been an honor to provide you service.

JVC Welcomes Dr. Nichols



We are excited to announce the addition of Dr. Steve Nichols to our staff. Dr. Nichols has been practicing Small Animal Medicine in the Indianapolis area

since 1991. He was raised on a small grain production farm in East Central Illinois where the farm environment allowed for his exposure to multiple species of animals. From his earliest recollections, horses were a large focus of his life. Dr. Nichols graduated from the University of Illinois, College of Veterinary Medicine in 1987. After graduation, he spent his first 4 years in Mixed Animal Practice. Equine and small animal medicine were his primary areas of interest while in mixed practice.

In 1991, Dr. Nichols moved to the Indianapolis area. His practice became exclusively small animal in orientation. Dr. Nichols brings several areas of expertise to our practice including dentistry, endoscopy and acupuncture. Dr. Nichols strongly believes in integrating veterinary therapies to achieve optimal health for his patients. He and his wife, Katie, live on a small farm just outside of Sheridan. They are blessed with 2 horses (Savanna and Buddy), 4 dogs (Sadie, Cato, Tillie and Stue), and 5 barn cats (Thelma, Laverne, Shirley, Ginger and Mary Ann).

Dr. Nichols will be available Monday through Wednesday and every other Saturday in the Small Animal Clinic. Equine Acupuncture procedures will be done by appointment. Please stop in and meet Dr. Steve and help us welcome him to our practice.

New Staff



Chris Barker

Chris and his family have been long-time clients of Janssen Veterinary Clinic. He has always had a deep interest in horses and a desire to be a veterinarian. He graduated

from Kentucky Horseshoeing School in 2000 and is currently a fulfilling pre-requisites for veterinary school. Chris contributes to JVC in many ways—he puts great effort into maintaining our facility and also acts as an equine veterinary assistant. Chris enjoys spending time outdoors with his fiancé, Mandie.



Jennifer Stewart, RVT

Jennifer graduated with a degree in Veterinary Technology from Purdue University in December 2007. She moved to Texas and worked at Four Sixes Ranch before

joining the JVC Staff in June 2008. She grew up on a farm in Greensburg, Indiana, and was involved in showing horses and Angus cattle in 4-H. She enjoys spending time with her family and one year old corgi named Emma.



Linda Buse, LVT

Linda is a 1994 graduate of Blue Ridge Community College Veterinary Technology Program in Weyers Cave, Virginia. She has worked as a

Veterinary technician for over 12 years. Her outside interests include her family of three dogs; Murphy, Tucker and Bonnie. At Janssen Veterinary Clinic, Linda can be found assisting as a technician in the small animal clinic and in the front office.



Casey Sutphin

Casey is a graduate of Black Hawk College in AAS Equestrian Science. At Black Hawk she was on the judging team and participated at the AQHA World and

Congress Horse Shows. Casey was a 10 year Boone County 4-H member where she showed her horses, cattle and goats. She also was a member of Western Boone's FFA. Casey and her husband, Travis, live near Jamestown with their horses and dogs. They are very involved at their church, Boone County 4-H, and Boone County Horseman's Association. Casey is the Office Manager for Janssen Veterinary Clinic.

Continuing Education:

Dr. Scott Thompson

Indiana Veterinary Medical Association (IVMA) Winter Conference
Indiana Assoc. Equine Practitioners (IAEP) Spring & Fall Conference
American Assoc. Equine Practitioners (AAEP) Annual Convention
Veterinary Study Group (VSG) Winter and Fall Meeting
Indiana Farriers Association (IFA) Fall Meeting

Dr. Tad Thompson

IAEP Spring & Fall Conference
AAEP Ultrasound Wet Lab & Annual Convention
IVMA Winter Conference

Dr. Chris Ernst

IVMA Winter Conference
IAEP Spring & Fall Conference
AAEP Summer Focus Meeting
Hagyard Bluegrass Reproduction Symposium

Dana Thompson

IFA Fall Meeting
IAEP Spring & Fall Conference

Autumn Cline

IAEP Spring & Fall Conference
American Association of Equine Veterinary Technicians (AAEVT) Winter Conference

Evelyn Niemann, RVT

IVMA Winter Conference
Indiana Veterinary Technician Association (IVTA) member

Jennifer Stewart, RVT

IAEP Spring & Fall Conference
AAEVT Winter Conference
IVTA member

Julie Green

IVMA Winter Conference
IAEP Spring Conference

Kathleen Everson

IVMA Winter Conference

Leslie Thompson, MBA

VSG Leadership Group

JVC in the Community:

Dr. Scott Thompson

Speaking/hosting: Hamilton County and Boone County Horse & Pony Clubs, FFA Career Site Tours, host to the Indiana Farriers Association, member of the Hamilton County Board of Health, Purdue University Guest Speaker for Animal Sciences and Veterinary Medicine Departments, Hamilton County Habitat for Humanity Homebuild.

Dr. Tad Thompson

Participating/speaking: NAILE Suffolk Show Judge, Purdue University Veterinary Teaching Hospital (PU-VTH) Equine & Sheep Reproduction presentation, PUVTH Equine Stallion Collection presentation.

Dr. Chris Ernst

Speaking: PUVTH Equine Stallion Collection presentation, Purdue University Animal Sciences Equine Reproduction Wet Lab.

Autumn Johnson

Boone County 4-H Leader & Horse Judging Coach

Julie Green

Hamilton County Horse & Pony Co-leader/Volunteer

What You May Not Know

About the Management of Placentitis

What is placentitis? By definition it is inflammation of the placenta. In reality, however, this is an over simplified definition of a disease with multiple potential complications. More accurately, placentitis occurs as a result of some infectious agent affecting the connection between the placenta and the uterus or endometrium.

Placentitis can occur through various routes. Most commonly placentitis develops through an ascending infection via the cervix, although systemic or hematological spread can also occur. With ascending infections, there is a breakdown in the body's natural barriers or defense systems. This breakdown allows bacteria or fungal agents to move into the uterus. As these infections develop, the connection between the uterus and the placenta becomes thickened and may even separate. These changes will begin affecting the transmission of oxygen and nutrients to the foal, thereby jeopardizing the foal's viability.

Clinical signs in a mare with placentitis include early udder development, premature lactation, cervical softening and occasionally vaginal discharge. Unfortunately, by the time the clinical signs are noted, the disease process is significantly advanced. Mares suffering

from placentitis may deliver a premature nonviable foal, or if she is able to carry the foal to term it may be weak, unthrifty, potentially septic, or even a "dummy foal." Even though the incidence of the disease is about 15% of the pregnant mare population, the financial and reproductive losses can be devastating.

The greatest odds for the successful management of a mare with placentitis are early diagnosis and treatment. Early screening for placentitis can easily be achieved with transrectal and or transabdominal ultrasound. This survey ultrasound examination should be performed between 270 & 300 days of gestation or at the time of your final Pneumobort/Prodigy vaccination. During this examination, the combined utero-placental thickness is measured and the health of the foal assessed. Early diagnosis and treatment has shown a significantly improved success rate over treatment started at the time of the first clinical signs. This early treatment is more likely to produce a foal of a more normal birth weight, viability and health compared to delayed treatment.

If you have questions about your mare, please call to speak with your veterinarian today.

AAEP Upgrades Rabies to a Core Vaccine



Rabies is an infrequently encountered neurological disease of equids.

While the incidence of rabies in horses is low, the disease is invariably fatal and has considerable public health significance. It is recommended that rabies vaccine be a core vaccine for all equids.

--American Association of Equine Practitioners (AAEP)

Rabies is a deadly disease caused by a virus that can infect humans, pets, livestock and wildlife. Preventing the disease in animals provides the best means of protection to humans. The important things to remember when considering whether to vaccinate your horse against rabies:

- 1) Rabies is 100% fatal in horses
- 2) The rabies vaccine is very effective
- 3) The vaccination protocol consists of the initial vaccination and annual boosters.

Consult with your equine veterinarian to determine the appropriate vaccines and schedule for your horse.

The Equine Athlete

The horse is naturally one of the most graceful and athletic of all animals. For centuries, humans and horses have shared a special bond of mutual trust and cooperation. As we ask our equine companions to work and play with us, we need to consider what kind of physical demands will be placed on them. Whether we are trail riding, horse showing, or racing, sports injuries can occur. Proper conditioning and training can help minimize these occurrences. Lameness in the equine athlete can occur from unforeseen trauma, from the daily wear and tear associated with their work schedule, and sometimes even from lack of enough work, or neurological conditions.

Lameness evaluation is one of the most challenging, yet rewarding jobs of the equine veterinarian; primarily, of course, because the horse can't verbally communicate where the pain is originating.

History. Part of a good lameness evaluation is getting a full history of the horse's problems. What does the horse do for living? How old is he? How long has he been lame? Does the lameness improve with rest? With work? Have there been any previous diagnostics or therapies?

Evaluation. Watching the horse work is helpful in deciding the degree of lameness and which legs are affected. The veterinarian may elect to watch the horse jog in hand, on the lunge line, or even under saddle. Special exams, such as hoof testing, limb flexions, and nerve blocks, can be utilized to help give insight into the location of the pain. Diagnostic imaging tools such as radiology, ultrasonography, nuclear scintigraphy and even MRI can be useful in exploring a horse's problem.

Therapy. Therapeutic decisions can be quite varied based on the proper diagnosis. Rest might be perfect for one kind of lameness and exactly the wrong thing to do for another. Anti-inflammatories, analgesics, muscle relaxants, wrap, don't wrap, rest, work, shoe, don't shoe, surgery or not, inject a joint, give Adequan or Legend... all these and many more are options—which one is right for your horse? Our team approach will guide you along the path to optimal performance.



NOW AT JVC:

ACUPUNCTURE SERVICES

Acupuncture is an ancient therapy that has its origins in many countries and cultures, but has been primarily linked with China. Acupuncture has been used for centuries to address numerous issues in humans and animals. In the 1970's as China was opening itself up to Western Nations, acupuncture began to work its way into the United States as an "alternative therapy."

Today, acupuncture is widely accepted as an appropriate therapy for many conditions that our companion animals face. Scientific, evidence-based research continues to support the efficacy of acupuncture in many instances. For example, musculoskeletal conditions have responded well to acupuncture therapy. It is also helpful during processes that produce pain. The list of conditions that benefit from the use of acupuncture is extensive. Anecdotally, many owners of competitive sport horses believe that acupuncture enhances their horse's performance.

If you have questions regarding acupuncture or would like to schedule an appointment, please feel free to call our office. Watch for more specific articles in future newsletters and our website.

THE IMPORTANCE OF FECAL EXAMS

When considering the health of our animal companions, we need to remember that they are prone to infection from internal parasites. Some of these parasites can have human health implications, so keeping parasites under control is important for both our small and large animals. Fecal exams are the best way to identify internal parasites. Adult worms will parasitize the intestinal tract and shed eggs into the feces. These eggs can then re-infest other animals, or even people. Identification of the parasite is made based on the visual characteristics of the eggs and a quantitative measurement of parasite eggs per gram of feces.

We recommend annual fecal exams at least once per year for the dogs and cats, which is usually performed at the time of our wellness examination. Dewormers are prescribed based on the type of parasites identified on the fecal evaluation. Puppies and kittens tend to be the most sensitive to parasitic infection thus the fecal exam is especially important when your family acquires a new puppy or kitten.

Equine Reproduction 2009

Many of us look forward to a refreshing revitalization with the coming of each new year. We begin with New Year's resolutions, some of us set short and long-term goals, but for us it signifies the starting of new life for our equine clients.

Each year JVC has the privilege to assist our clients in foaling out mares. Through this service, we are able to support mares and their new foals to a successful start in life. Along with foaling season also comes the breeding season, and 2009 will be no exception. JVC is proud to continue offering stallion services including in-house standing of studs, and collection of semen for both fresh cooled shipment, and semen freezing. Through both our in-house stallion services as well as outside studs, JVC manages brood

mares, breeding with both fresh and frozen semen.

Advanced reproductive services including embryo transfer, and embryo vitrification (freezing) are also available. Embryo transfer has served as an excellent alternative for show



or performance mares, whose owners wish to have offspring, but would prefer to keep the mare in training.

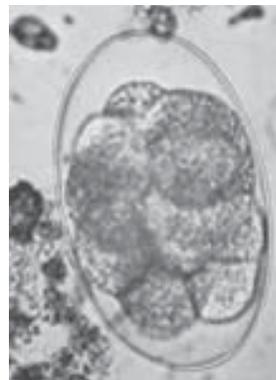
JVC also offers services in reproductive surgery including the repair of RV tears and fistulas, and the correction of vesicovaginal reflux. Please contact us at (317) 758-4865 or visit our website at www.JanssenVetClinic.com for a more complete description of our services.

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!

Pre-Foaling vaccines. Foals are born without an immune system and are completely dependent upon the anti-bodies they receive in their mare's first milk (or colostrum) for their protection against disease. Boosting your mare's vaccines 1 month before foaling assures that her titer levels will be high when the foal is born and those antibodies will be available for the foal to consume.

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.



Due to their grazing nature, horses are expected to inhabit a certain amount of parasitic burden. There is great concern regarding the parasite resistance to the different types of dewormers available. Therefore there have been new suggestion for proper equine deworming. Our guest speaker on February 26th, Dr. Wendy Vaala, will be addressing these new recommendations during the client education night. At Janssen Veterinary Clinic, we recommend a

rotational deworming program based on the findings of a fecal egg count evaluation. The deworming program is adjusted once the environmental risk factors and the knowledge gained from a fecal egg count for each horse are considered.

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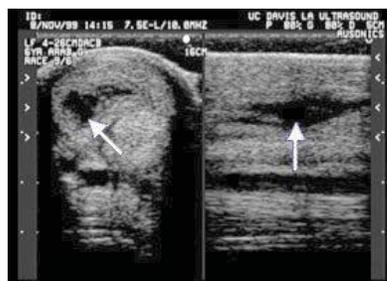
Diagnostic & Therapeutic Options

As veterinarians, we rely on our physical exam as perhaps our greatest diagnostic tool. There are, however, several diagnostic imaging modalities that we can utilize to further our understanding of the problem.



Radiography has been the tried and true imaging option for decades. Radiology utilizes x-ray technology to penetrate the desired structure and capture an image on a receiving plate. In 2005, Janssen Veterinary Clinic purchased a digital radiography unit, or DR. In a digital radiography machine,

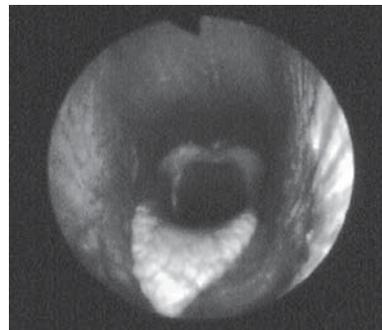
the receiving plates are no longer film, but have become digitized allowing for much quicker processing, as well as, clearer and more precise imaging. Digital radiography is especially useful in equine musculoskeletal imaging. Since the image is stored digitally, the veterinarian can manipulate it much the way digital photographs can be adjusted: brightness, contrast, zoom, etc. These images can also be e-mailed or burned onto a CD, allowing for easier consultation with other equine professionals.



Ultrasound is another imaging tool that veterinarians utilize to help us in our diagnosis. Ultrasound relies on sound waves that are "bounced" through the tissues of the affected area. These ultrasound waves are then analyzed by the machine to

give a real-time image. In equine lameness cases, ultrasound is very helpful in looking at tendons and ligaments that are not easily imaged with radiography. At Janssen Veterinary

Clinic, we have recently invested in a state of the art digital ultrasound. Much as the digital radiography increased our image quality over film x-ray, digital ultrasound advances our soft tissue diagnostic capabilities. Newer technologies allow the ultrasound images to be digitally processed, leading to crisper, more detailed images that can be stored electronically.



Video Endoscopy is also utilized by Janssen Veterinary Clinic. This technology utilizes a very small camera to visualize internal spaces. The endoscope is most commonly used to look at upper respiratory regions or into the stomach. In small animal medicine,

we have found and removed foreign bodies in the stomach with the endoscope. In equine medicine, endoscopy is our preferred diagnostic tool to look for gastric ulcers.

MRI and CT are technologies that are commonly used in the human medicine and are becoming increasingly valuable in veterinary medicine. MRI (Magnetic Resonance Imaging) uses magnetic gradients in the body to provide very detailed bony and soft tissue images. Computed axial tomography (also known as CT scans), uses x-ray technology to map out large areas of the body and to produce a three dimensional image. These technologies are available at only a handful of veterinary facilities across the country and can be cost prohibitive to many horse owners. However, if the need arises, JVC works closely with referral hospitals to provide these extended services to our clients.

Imaging modalities are a means to effective patient diagnosis and treatment, giving our patients the best opportunity for a higher quality of life. Please contact us with any questions you may have.

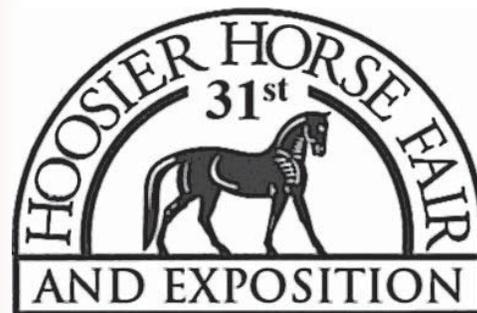
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Keep an eye on the clinic website for archives of old newsletters, helpful links and useful information. Our latest addition in the works at the time of this printing, is an online ordering system set up just for you, our clients. In the past, because of the cost of processing, handling, storing, tracking, etc all of our inventory, we haven't always been able to compete with the pricing of internet pharmacies. Now, however, you will be able to place orders online 24/7 at our website and your items will be shipped directly to you from our suppliers. This not only cuts down our overhead and saves you money, but also assures your medications come from a dependable supplier, and allows us to make a much wider range of products available to you.



WE'RE GLAD THERE ARE PEOPLE LIKE YOU OUT THERE... IT'S OUR FEELING THAT THOSE WHO HAVE ANIMALS IN THEIR LIVES ARE JUST A BETTER CLASS OF PEOPLE. MEETING THOSE PEOPLE EVERY DAY IS ONE OF THE BEST THINGS ABOUT BEING A PART OF THE VETERINARY PROFESSION. IN TOUGH ECONOMIC TIMES LIKE THESE, WE WOULD LIKE TO SEND OUT A SPECIAL **THANK YOU** TO THOSE WHO HAVE TAKEN IN ANIMALS THAT WOULD HAVE HAD NO OTHER HOME WITHOUT YOU.



APRIL 3-5, 2009

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/horse_fair.htm

Periodontal Disease in Pets

More than 85% of dogs and cats older than four years have periodontal concerns. Periodontal disease starts when plaque forms. Plaque starts forming two days after dental cleaning. If the plaque is not removed, mineral salts in the food will adhere to the plaque forming dental calculus. The calculus is irritating to the gingival tissue, changing the pH of the mouth and allowing bacteria to survive subgingivally. By-products of these bacteria “eat away” at the tooth’s support structures, eventually causing the tooth to be lost in some cases. In the first picture you can see the calculus on the teeth.



Periodontal disease is staged based on the severity in 4 stages:

Stage 1 gingivitis, redness of the gums.

Stage 2 early periodontitis-increasing inflammation with swelling of the gums and plaque.

Stage 3 established periodontitis-pockets develop in the gums, which bleed easily.

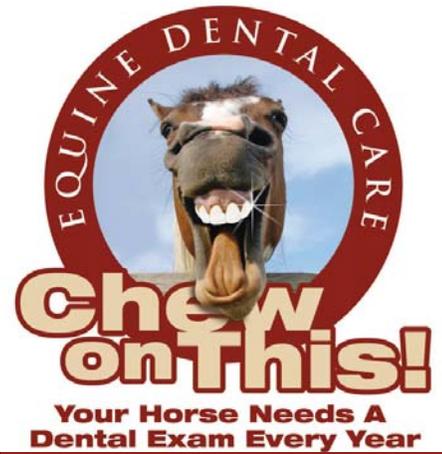
Stage 4 advanced periodontitis-deep pockets, gum recession, bone loss, and tooth mobility.



In the second picture after the calculi are cleaned off the teeth you can see the loss of gum tissue and exposed roots. This is stage 4 periodontal disease.

When periodontal disease is not treated, subgingival bacteria can continue to reproduce, creating deeper periodontal pockets through bone destruction. Eventually, the progression can cause tooth loss and other internal medicine problems. In some small breeds, bone loss around the teeth in the lower jaw can lead to fractures of the jaw. Bacteria from periodontal disease can lead to infections in other organs, like the kidney, liver and heart.

Periodontal disease can be prevented through daily preventative care like brushing, rinses or chews. If early periodontal disease has already occurred, then a dental prophylaxis can be done to clean those teeth, and daily care can be started at home. Stage 4 dental disease is usually best treated by extraction.



Horses with dental problems may show obvious signs, such as pain or irritation, or they may show no noticeable signs at all. That is due to the fact that some horses simply adapt to their discomfort. For this reason, periodic dental examinations are essential. Indicators of dental problems include:

- Loss of feed from mouth while eating, difficulty with chewing, or excessive salivation
- Loss of body condition
- Large or undigested feed particles (long stems or whole grain) in manure
- Head tilting or tossing, bit chewing, tongue lolling, fighting the bit, or resisting bridling
- Poor performance, such as lugging on the bridle, failing to turn or stop, even bucking
- Foul odor from mouth or nostrils, or traces of blood from the mouth
- Nasal discharge or swelling of the face, jaw, or mouth tissues.

Oral exams should be an essential part of an annual physical examination by a veterinarian. Every dental exam provides the opportunity to perform routine preventative dental maintenance. The end result is a healthier, more comfortable horse. JVC doctors have extensive training, specialized dental equipment and the interest in providing proper dental care for the betterment of your horses' health.

Proper dental care has its rewards. Your horse will be more comfortable, will utilize feed more efficiently, may perform better, and may even live longer.

Kid's Corner—Grace's Adventure

Hi, my name is Grace. I work at Janssen Veterinary Clinic along with my brother, Will. We are the JVC Barn Managers. Sometimes we like to make sure there are no mice stowaways in our client's trailers.

One day, as I was inspecting a very large trailer, I accidentally found myself locked inside. "Oh well", I thought, "Maybe they need me to inspect another location." When the trailer finally stopped, I snuck out of the opened trailer door without anyone seeing me. I was sure this was a top secret mission, so I slipped quietly into the big barn.

Meanwhile, at JVC my brother, Will, started missing me. He kept looking for me, but I was not in any of my normal hiding places. Even my fellow employees at JVC started looking for me. One of my JVC friends called all the neighbors, and then started calling clients who had recently visited. Finally, a very nice client told my JVC friend, that there was a new cat hanging around his hayloft. That was me!! My JVC friend came and rescued me 6 days into my secret adventure.

I was happy to get back home to my brother and my friends at JVC. I've been told that I don't have to inspect the trailers for stowaways, but I do enjoy it so much! And I'm happy to say, this service is absolutely free!! See you all soon!

Your feline friend,
Grace

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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



Client Education Evening at Janssen Veterinary Clinic February 26, 2009 7-9pm

Join us for an evening with

Dr. Wendy Vaala, VMD, DACVIM

Infectious Disease & the Role of Vaccination and Deworming

Dr. Vaala will address many questions regarding the proper usage of antihelmintics, such as which type of dewormer should be used, when to give it, and how to give it (paste or tube). Internal parasite control programs should be developed with a focus of attacking the most significant parasites, with the best product, at the optimum time (when they are most vulnerable). She will have recommendations on how to monitor your horses' parasitic burden.

Additionally, Dr. Vaala will provide valuable information about the importance of equine vaccines and the diseases our horses should be protected against. We will be discussing new technologies in vaccines and their applications, effectiveness and other information that will help you determine the optimum vaccination protocol for your horses.

Please bring your questions and share some time with fellow horse enthusiasts.

*For each horse owner in attendance, we are offering a **25% discount on a fecal egg count evaluation** for your horse. You may bring a fecal sample (1-2 balls) in a zip-lock bag labeled with your name, the horse's name and date.*

Don't miss this special opportunity. Reserve your seat today by calling (317) 758-4865 or (317) 873-5353.

