AAEP CONVENTION PREVIEW

FROM YOUR FRIENDS AT THORSE AND EquiManagement 2023





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In 2024, we're going to change one of the most successful equine gastric supplements on the market

(Now that takes guts!)





AAEP PREVIEW 2023

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ADVERTORIAL

EQUINE IS MINXRAY'S PAST, PRESENT AND FUTURE

MinXray, Inc. was established and incorporated in 1967 from an office on Irving Park Road in Chicago. Its original model, the Serend 20 later known as the MinXray X100G, was introduced to provide practitioners, particularly in equine medicine, with access to diagnostic imagery regardless of treatment location or circumstances.

Since then, its portable x-ray capabilities have expanded to other animal and human

care applications, but the commitment to horses and those who care for them has only grown stronger through portable, and most recently, battery-powered, ultra-durable x-ray systems.

Several advances over the past 50 years have continued to enhance the accessibility and sophistication of MinXray's technology. In 1989, the Model X803G portable veterinary x-ray unit was introduced as

the first 80 kV 30 mA generator for equine use that was under 40 pounds for increased portability and ease of use. At the annual American Association of Equine Practitioners (AAEP) meeting in 1993, MinXray unveiled its first ultra-light high frequency portable veterinary model, HF80. This and all subsequent models using high frequency x-ray generating technology were painted a distinct shade of yellow that can still be seen on highly capable

MinXray machines today.

A lot has changed over the decades, but MinXray's commitment to provide reliable and flexible x-ray solutions that make portable medicine easier for veterinarians, horses and handlers has not. Its commitment to continued innovation and development ensures a bright future, with new products soon to come that will further fulfill MinXray's founding mission of accessible diagnostic care.



WELCOME LETTER SEE YA IN SAN DIEGO!

By Carly Sisson

xciting new developments in the field of equine veterinary medicine will be at the forefront of the 69th AAEP Convention being held Nov. 29 through Dec. 3 in San Diego, California. This year's convention also will feature presentations and conversations about business and veterinarian wellness aspects of equine practice. Veterinary sustainability will be front-and-center at this year's Convention. AAEP pioneered the Commission on Equine Veterinary Sustainability. That large and diverse group is working toward transforming

equine practice in order to attract and retain more equine veterinarians.

In this AAEP Preview, produced by AAEP Media Partners EquiManagement and The Horse, we provide a glimpse into some of the compelling conversations that will take place at the Convention. These include the Milne Lecture, during which Dr. Pat McCue will discuss the history of equine reproduction; the keynote address, where Cassandra Worthy will speak about Change Enthusiasm®; and multiple sessions on veterinary wellness, many of which will feature speakers from the AAEP Commission.

Also included inside the preview is our Visitor's Guide to San Diego (page 20). In this section, we detail many of the sights, attractions, and dining options around the city. From the urban cultural center of Balboa Park to the waterfront shopping and dining in Seaport Village and nightlife in Gaslamp Quarter, San Diego has endless options.

Want discounts? In the Visitor's Guide, we share information about how you can find discounts on restaurants, galleries, museums, and activities throughout San Diego by showing your AAEP Convention event badge!

Don't forget to check out the Product Spotlight starting on page 36. In this section we help our advertising partners showcase some of the products they will have on display at the AAEP Convention trade show.

We hope this preview will better prepare you for the AAEP Convention as you decide on which presentations to attend, which booths to visit, and where to find that special coffee shop close to the Convention Center. Make sure to stop by and see the Equine Network brands of EquiManagement, EQUUS, and The Horse at Booth #3317!



ADVERTORIAL



Bionote USA has recently added three equine biomarkers to its proven Vcheck line of quantitative, in-clinic analyzers and tests. These new offerings give equine veterinarians the power to practice medicine how they've always wanted—without the added cost from

working with a lab or added time and logistics needed for a follow-up appointment. Each Bionote test delivers quantitative results in minutes to give veterinarians immediate access to crucial diagnostic information for developing and implementing a treatment plan.

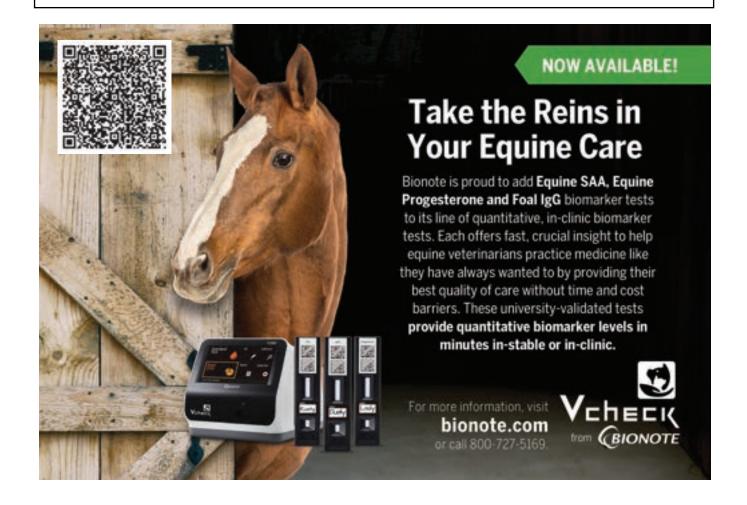
The new equine SAA test in the Vcheck line detects quantitative levels of serum amyloid A (SAA) in just 5 minutes from a small sample of serum or plasma. This test has been backed by a university-validated study to provide indication of inflammation as a result of treatment, injury, or infection.

The recently added equine progesterone test is also supported by a validated study. Clinical applications for this quantitative progesterone measurement at the point of care include monitoring estrous cycles and early

pregnancy as well as detecting reproductive disorders or the potential cause of behavioral issues requiring intervention.

Foal IgG is the latest addition to the Vcheck line. Immunoglobulin G (IgG) is an antibody that foals receive from colostrum until their immune system is developed enough to produce their own. Without the proper IgG supply, foals are vulnerable to serious infections. Monitoring neonatal foals for this biomarker allows for either reassurance that they are protected or the chance for additional preventive care to be administered.

STOP BY BOOTH #1751 TO LEARN MORE!



Q: How long have you and your colleagues been using ArthramidVet® in your practice, and why did you pursue it initially?

I have been using ArthramidVet® now for 14 years. We have come a long way, and I was immediately intrigued by the results in chronic-stage OA horses, where conventional therapies did not show effects anymore. These horses were considered loss-of-use cases. It has been since then a game changer in my ability to treat OA sustainably and for the welfare of the horse.

Could you share a few insights into the historical progression of equine OA treatment and explain how ArthramidVet® fits into this evolving landscape?

The treatment of equine osteoarthritis has evolved over time. In the past, treatments were limited to rest, anti-inflammatory drugs, and joint injections. However, advances in veterinary medicine have led to more sophisticated approaches, including regenerative therapies like stem cells and other bloodderived treatments like PRP, ACS, IRAP, and so on. This was a dogma change. Instead of reducing "signs of inflammation and pain" with steroids or non-steroidal antiinflammatory drugs (NSAIDs) or bringing inflammation into chronic processes by injections of sclerotic (irritating) agents or blistering, these new methods promote tissue repair and reduce inflammation on cellular levels and signaling. ArthramidVet® fills into these regenerative medicine agents. Ongoing research is explaining more mechanisms of action.

There's often a lot of misinformation surrounding OA treatments. What's one common myth or misconception that veterinarians should be aware of, particularly in the context of ArthramidVet®?

Indeed, there is a lot of misinformation out there. A lot of producers will claim effects for their gels without scientific evidence. PAAG gels are not the same. We have them FACTS & MYTHS:

TREATING EQUINE OA WITH

ARTHRAMIDVET®

conturat

Dr. Marc Koene's Sunrise Session is a can't-miss presentation at the AAEP Convention, where he will be describing the 2.5% polyacrylamide hydrogel's history and his strategy and case selection using it.

Stephanie L. Church

Marc Koene, DVM, founder and partner at the renowned Tierklinik Lüsche GmbH Equine Hospital, in Bakum, Germany, will be detailing how he uses the 2.5% polyacrylamide (PAAG) gel, ArthramidVet®, in his practice. Koene is a board-certified equine specialist, a Fédération Equestre Internationale (FEI) veterinary delegate and veterinary committee board member, an FEI controlled and prohibited substances review committee board member, an IAVC-certified equine chiropractor, and team veterinarian for the German Olympic equestrian team. An early adopter of ArthramidVet®, Koene will outline his approach to osteoarthritis (OA) case selection and how the treatment has helped his patients. We spoke with him ahead of his presentation to give you a sneak peek.

for industrial and chemical use, degradable and stable, with foreign body reactions and inert. ArthramidVet® is used as Aquamid® as a facial filler or bulking agent. Same product, different name. But the target tissues are different, and there happens the magic. To be used 100,000 times in "dirty" human faces with little adverse reactions is a plus for our safety studies. We do not want flares or foreign body reactions to happen in the joint. Still, occasionally they do, and mostly it is case-related.

Could you provide some tips or a preview of the types of guidelines you'll be giving at the Sunrise Session—on case selection for ArthramidVet® therapy, and what factors veterinarians should consider?

Case selection is crucial. You need to block your target joint with a low volume of local anesthetic like mepivacaine and, after three to five minutes, you should read a significant improvement in lameness grade. If it is close to 100% and your concurrent imaging does not show exclusion criteria like fissure fractures or subchondral bone disease with connection to the joint space or infectious disease, that is what you can expect as an outcome after four to seven weeks

with ArthramidVet® joint treatment.

Could you highlight a standout equine OA case where ArthramidVet® made a notable difference? Or a case practitioners can expect to hear more about in your presentation?

After more than 8,000 patients, it is difficult to pinpoint one standout equine OA case. But nowadays, since a lot of equine clinics use standing CT scanners, we encounter more and more osseous cysts involving difficult joints like the temporomandibular joint (TMJ), where you cannot use standard lag-screw techniques. There we apply ArthramidVet® as well, and the results are very promising. The cysts will stay evident in imaging, but the joint pain vanishes. Used in other joints and tendon sheaths, it does what is most evident when used: It makes a thin joint or tendon sheath out of a filled synovial structure

What developments can attendees look forward to learning about in your presentation—any research in progress?

In the beginning everyone believed results came from a long-lasting lubricant effect to the cartilage. Others believed it was coating nerves and, therefore, masking pain. This was wrong. The gel integrates into the synovium after 14 days completely. ArthramidVet® is the only gel with an extensive list of research to it. Tnibar et al. explained the role of capsule elasticity in OA before and after injection. Christensen in Denmark and Lowe and de Clifford showed the histological effects after treatment. At the moment there is ongoing research for the EMA (European Medical Agency) concerning rheology and cytokines of synovia and, in the U.S., in 2024 Colorado State University will begin a clinical trial using the validated carpal chip model with the ArthramidVet® gel. It seems like the transcription of macrophages by the gel plays a major role. I am sure that the outcome from this upcoming research will be very interesting.

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*Tribar, A., Schougaard, H., Camitz, L., Rasmissen, J., Koene, M., Jahn, W., Markussen, B., An international multi-centre prospective study on the efficacy of an intrarticular polyacrylamide hydrogel in hories with osteoarthritis: a 24 month follow up. Acta Vet Scand. 2015; ct. 20-27.

*De Clifford, L.F., Lowey J.N., McKellar, C.D., Chambers, M., David, F., A double-binded positive control study comparing the relative efficacy of a 516 polyacryllamide hydroge (PAAG) against triamonolone acestonide (TA) and sodium hyaluronate (HA) in the management of middle carpal joint lameness in racing Thoroughbreds. Journal Equine Vet. Science; (epub 2021 Sept 24)

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SHARING **REPRO HISTORY & EXPERTISE**

Don't miss the Frank J. Milne State-of-the-Art Lecture by Dr. Pat McCue at this year's AAEP Convention.

By Stacey Oke, DVM, MSc

eady to be perplexed by pathology and wowed by the womb? Then make attending this year's Frank J. Milne State-of-the-Art Lecture as high a priority as a 2 a.m. dystocia.

Patrick McCue, DVM, PhD, Dipl. ACT, joins a long list of celebrated experts in the equine community as a distinguished Milne lecturer. McCue has some big gloves to fill, as some of his



Dr. Pat McCue







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noteworthy predecessors include Drs. Peter Rossdale, Larry Bramlage, John Hubbell, Noah Cohen, John Madigan, and only 19 others who have had

Convention.

"The Milne is a beloved pillar of the AAEP Convention's educational program," explained Sally Baker, director of market-

[The Milne] celebrates the evolution of equine health care and inspires our newest practitioners to achieve great things on behalf of the horse.

the honor of delivering the celebrated Milne lecture during the American Association of Equine Practitioners (AAEP)

ing and public relations for the AAEP. "The list of lecturers since 1997 is a 'Who's Who' of exceptional clinicians and

researchers in equine veterinary medicine. While the goal of the Milne is to impart state-of-the-art knowledge, it also celebrates the evolution of equine health care and inspires our newest practitioners to achieve great things on behalf of the horse."

McCue, however, will not be upstaged by ghosts as he has his own impressive array of accolades, making him perfect for Milne mastery.

McCue graduated with a DVM from the University of California, Davis, in

1986. After completing an internship at the University of Pennsylvania, he returned to California in order to complete a residency.

He earned his Diplomate of the American College of Theriogenologists in 1991 and a PhD in 1992. He then made a move to Colorado State University in 1994, where he remains as the current Iron Rose Ranch Professor of Equine Theriogenology.

In his current role McCue coordinates the clinical stallion and mare

ADVERTORIAL



International Animal Health is proud to introduce the first products proven to decrease the reinfestation of roundworm larvae.

BioWorma® or Livamol® with BioWorma® are not anthelmintics/dewormers.

Both products contain a natural fungus called Duddingtonia flagrans.

When fed to grazing animals the thick-walled spores pass through the digestive system, remaining inert (having no effect within the host animal) and out

into the manure.

When the infective nematode/ roundworm larvae become active within the manure, the fungus germinates, forming a fungal web that captures, paralyzes, and consumes the infective larvae.

As a result, the worm cycle is effectively broken.

Anthelmintic resistance has no effect on BioWorma.

BioWorma and Livamol with BioWorma reduce the number of gastrointestinal nematode (GIN) larvae on pasture, which is significantly greater than a chemical wormer can do within the animal.

International Animal Health Products (IAH - www.iahp.com. au) studies showed the average reduction for horses was 84%.

Efficacious in horses on:

Large strongyles (large red worms), including Strongylus spp., Triodontophorus spp., and Oesophagodontus spp.; small strongyles (small red worms or cyathostomes), including Cvathostomum spp., Cvlicocvclus spp., and Cylicostephanus spp.; Stomach Hair Worm (Trichostronqylus axei); Ascarids (Parascaris equorum); Threadworms (Strongyloides westeri); and Pinworms (Oxyuris equi).

Over 20 years of development and 120+ studies confirm the efficacy of BioWorma.

Published trials by IAH: Field evaluation of Duddingtonia flagrans IAH 1297 for the reduction of worm burden in grazing animals: Pasture larval studies in horses, cattle and goats July 2018

Authors: Healey and Lawlor





BioWorma® reduced pasture larval counts by 84%





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CONTROL

Average number of horse parasitic larvae per herbage sample (All horse trials combined) HEALEY & LAWLOR ET AL. 2018 (B)



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Find out more

services at the Equine Reproduction Laboratory. His role involves treating dystocias, high-risk pregnancies, and other equine reproduction cases at the

Norden Distinguished Teacher Award and the AAEP Teaching Award. In 2017 McCue received the American College of Theriogenologists' Theriogenolof published articles and several textbooks. Most recently, McCue and co-editor John Dascanio, VMD, Dipl. ACT, ABVP (Equine), senior associate dean for academic and student affairs and a professor of theriogenology at the Texas Tech University School of Veterinary Medicine, in Amarillo, published Equine Reproductive Procedures, 2nd Edition.

In this year's Milne lecture titled "Historical Perspectives in Equine Reproduction—Pioneers in the Age of Discovery," McCue will review the most important discoveries in broodmare reproduction and the pioneering scientists and veterinarians involved.

"We owe a debt of gratitude to the people that paved the way forward to where we are now in the clinical practice of equine reproduction," McCue said. "It is truly an honor to be asked to deliver the Milne Lecture to the members of the AAEP. It is the highlight of my career as an equine veterinarian and as an educator."

We owe a debt of gratitude to the people that paved the way forward to where we are now in the clinical practice of equine reproduction.

University's Veterinary Teaching Hospital.

McCue remains active in teaching, where he excels. He received the

ogist of the Year award for outstanding accomplishments in the field.

A prolific writer, McCue has authored hundreds

ADVERTORIAL

It's time for a new standard in Cartilage Care.

Successful joint lubrication plays a vital role in preventing cartilage damage and the progression of osteoarthritis. Factors such as age, overuse, and injury can create inflammation, which has a direct impact on the quality of natural lubrication provided by synovial fluid, resulting in an increase in friction. How best to manage this synovial fluid breakdown is a key concern for equine athletes.

Historically, the go-to joint therapy treatment has been Hyaluronic Acid (HA).

HA can contribute to natural joint lubrication as a key component in synovial fluid. However, HA rapidly breaks down in the



presence of inflammation, becoming ineffective at the pivotal moment cartilage needs friction protection. This has resulted in the cyclical practice of injecting HA back into an inflamed joint. However, recent research questions its effectiveness to successfully address the problem for any valuable period. But due to the lack of lubricating therapies, it has remained the conventional treatment regardless of the question of efficacy.

Until now.

Noltrex®Vet offers a gamechanging alternative to HAs currently available in

veterinarian medicine, by providing a treatment trifecta that includes superior lubrication, prolonged effectiveness, and overall improved articular cartilage protection.

In standardized testing, Noltrex®Vet has demonstrated lubricating properties superior to what the available HAs currently offer1. And Noltrex®Vet is the only product that has shown the ability to localize to both healthy and damaged cartilage surfaces1.

These unique Noltrex®Vet characteristics have prompted veterinarians to evolve their treatment management

programs in order to take full advantage of Noltrex®Vet's benefits-no longer restricting its usage for advanced degenerative joint disease treatments only but incorporating its usage across all stages of joint disease. Noltrex®Vet can be used as a stand-alone therapy or complementary to standard anti-inflammatory agents.

Discover Noltrex®Vet's full potential in proactive joint management.

Noltrex®Vet's true potential is found when utilized in routine ioint maintenance as part of a preventative management approach in equine athletes and cartilage degradation over time. By warding off the initial lubrication breakdown, Noltrex®Vet can help preserve your horse's ability to compete long term.

Ask about Noltrex®Vet today.

We're not setting the standard. We're redefining it.

Elevating cartilage care with Noltrex®Vet

Noltrex®Vet is raising the bar on joint therapy treatments by providing superior lubrication, prolonged effectiveness, and overall improved articular cartilage protection – making it your best option in treating Osteoarthritis (OA). And it's the only product that has been shown to localize to healthy and damaged cartilage surfaces, making it an ideal tool for helping to prevent the progression of OA.¹

Noltrex®Vet's unique characteristics enable it to:

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Noltrex®Vet coats cartilage defects creating a protective, lubricating layer.

Available in the US, Canada, and Mexico





AAEP **KEYNOTE SPEAKER PREVIEW**

Mastering the Chemistry of Change: Uncover Your Inner Change Enthusiasm® Stephanie L. Church

n a rapidly evolving industry, equine veterinarians must be more prepared than ever to embrace change. Stepping away from the clinic or truck for a few days at the AAEP Convention allows



space for considering new perspectives on change and how to employ them in practice. This year the AAEP has invited author and consultant Cassandra Worthy to deliver the convention keynote on Change Enthusiasm®, through which she empowers individuals and businesses to harness emotion to embrace and accelerate change and transformation.

Worthy's client base spans Fortune 500 companies worldwide, including Procter & Gamble, Allstate, Jones Lang LaSalle, Centene Corporation, Conference Direct, and WeWork. She invigorates and inspires organizations, C-suite executives, and business associations experiencing significant change, disruption, and transformation. In her 10-plus years of mergers and acquisitions experience, she has identified the critical leadership traits required to lead with exception during high-stress times of change and transformation, and her message nurtures highly resilient and adaptable organizations beginning at the heart of the individual.

We spoke with Worthy about what practitioners can expect to take away from her keynote address.

Can you tell us more about the concept of

Change Enthusiasm® and how it applies to the world of equine veterinary medicine in 2023?

Change Enthusiasm®, by definition, is a growth mindset. It is a threestepped mindset of adaptability that enables those who practice it to harness the power of emotion to fuel growth through change. The three steps of Change Enthusiasm® are signal, opportunity, and choice:

- 1. The Signal: Difficult or unpleasant emotions signal us into our greatest moments of opportunity. Become aware of the emotions that are signaling you, then get ready to see the options you have.
- 2. The Opportunity: After recognizing the challenge or the emotion, what are my options? To learn, to grow, to connect, to forgive, to evolve, etc.
- 3. The Choice: When you're faced with an opportunity, the choice comes from asking yourself, "What can I choose in this moment to be better, to learn, to grow, to show up, to move forward? How can I make this opportunity a reality?"

Change Enthusiasm® invites authenticity,

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understanding, and resilience. It allows you the space to acknowledge and accept your emotions, which lowers your reactivity, making it easier to see the opportunities and choices you have in front of you. When you use the Change Enthusiasm® framework, you can treat the challenge and the emotions you're facing not as a problem, but as an opportunity to transform them.

As I think about the 2023 headwinds in the world of equine veterinary medicine, growing

attrition, emergency service requirements, lower compensation than companion animal positions, and intense work hours, as well as the fact that this area of practice is ever evolving, the Change Enthusiasm® mindset has never been more relevant for those in this field. Because with every fear or frustration these dynamics present, they are being signaled into a moment of opportunity to play an active role in evolving the practice. This mindset will enable selfactualized growth and

quicker adoption of new technologies and innovation, proactively maintaining the health and wellbeing of our nation's horses.

What specific insights from your M&A experience can equine veterinarians apply to effectively navigate high-stress times of change within their profession?

I'll offer three core principles:

• Stay Curious: Don't just ask "why" the change,

but "how" can we make it ours?

- Embrace the Unfamiliar: Equine vets can use new situations to redefine and strengthen their practices.
- Communication is Key: Always. Always. Always. Keep those lines open and vibrant.

How can Change Enthusiasm® help equine veterinarians enhance their individual and organizational performance in today's ever-evolving veterinary care landscape? For those

ADVERTORIAL



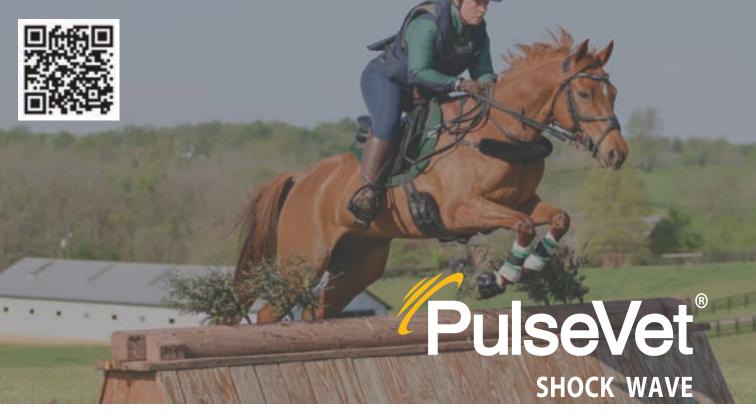
When it comes to horses. quality is everything. This is especially true in the treatment and prevention of injuries. Top veterinarians know that there is only one choice when it comes to quality shock wave therapy: PulseVet. The mission behind Zomedica and the PulseVet device is to improve the quality of life for the

animals we love by developing, validating, and providing advanced therapies at the highest level. The PulseVet device is the only shock wave device backed by over twenty years' of research.

Sherry A. Johnson, DVM, PhD, DACVSMR, Partner and managing rehabilitation veterinarian of Equine Sports Medicine & Rehab, states, "Shock wave therapy remains a pivotal therapeutic for me in many of my rehab cases. With the ability to help promote a more pain-free state and stimulate healing at the cellular level, its consistent incorporation has helped me get many nonresponders out of the pain cycle and in a much more comfortable place to safely further their rehabilitative workload. Particularly for my performance athletes, shock wave therapy has been the key to maintaining soundness alongside injuries that come with

the territory of being an athlete." Dr. Johnson added, "Given the current field of sports medicine has become so much more proactive instead of reactive, I find myself administering shock wave therapy alongside other therapeutics in a multimodal way to minimize time out of competition."

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who don't feel like things are changing vet around them in their practice, how can one instigate and prepare for change when most days they might feel like they're just keeping the wheels on in a very demanding career?

The equine veterinary world is continually evolving, but when practicing Change Enthusiasm®, we don't just keep up; we soar. Those feeling static? My challenge to you is this: Start seeing potential, not routine. Spice up a

daily task, engage in new learning, or simply change the lens through which you view your day. Change isn't always an external force; it can also spring forth from within.

What key takeaways can equine veterinarians expect from attending your presentation, and how might these insights positively impact their practices and client/patient care?

Get ready for a mindset shift! Attendees will leave

with tools to:

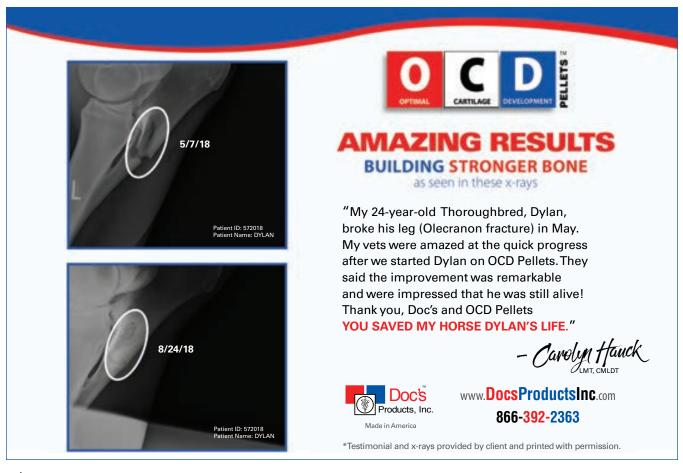
- Transform challenges into opportunities.
- Use emotion as rocket fuel for resilience.
- Build a practice that's not just surviving change but thriving in it, enhancing the bond between vet, client, and our majestic equine friends.

How can equine veterinary professionals, who often work in close-knit teams, use the principles of Change Enthusiasm® to foster a culture of collaboration

and adaptability within their clinics and hospitals?

- Practice vulnerability by sharing your own signal emotions.
- Practice empathy by holding space for colleagues and peers.
- Practice curiosity, seeking to understand what might be driving resistance to change within another.

Be sure to attend this keynote presentation on Thursday, Nov. 30, at 9:00 a.m.



ADVERTORIAL

The world-renowned MEDView Endoscopy range is a family of high-quality, Germanengineered and Britishdesigned equine scopes.

The MEDView Dynamic scope is our latest innovation and has been designed with extensive veterinary feedback. It's the first of its kind and is the smallest overground on the market with a diameter of just 9 mm. The durable, titanium semi-flex section enables it to be manipulated to any size horse, making it the most stable dynamic scope for high-speed diagnostics. Additionally, it has four-way angulation and a unique aspirating/flush function removing the previously problematic bubbling on the video.

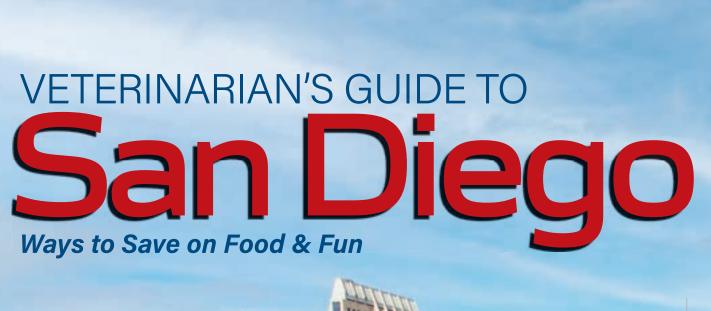
Our exclusive software,

MEDVos, enables you to watch the videos instantly on the iHUB, for a time-efficient review with the trainer post-exercise. The "dynamic capture" is located on the saddle pad where the recordings are stored as mp4 files, and the live feed is wirelessly transmitted to our MEDView iHUB up to 500m away.

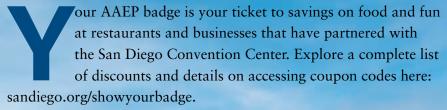
The versatile **MEDView iHUB** is our "plug & play system" that also drives all our endoscopes, including gastroscopy, airway, and dental. The MEDView scopes all operate on the same operating system, MEDVos. Our MEDVos software is made up of bespoke features; these include real-time split-screen comparisons, PACS integration, and instant transfer of your files to your smartphone.











Also, if you plan to visit two or more attractions during your stay, you might want to consider purchasing the Go San Diego Pass (tinyurl.com/38ywn9be). Options are available to bundle the purchase of two to seven local attractions at discounted rates.

THINGS TO SEE

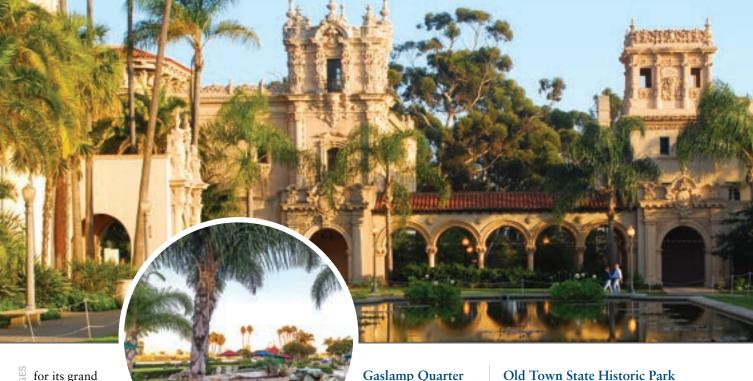
Balboa Park

Balboa Park is a 1,200-acre urban cultural park in San Diego featuring numerous museums, performing arts venues, attractions, restaurants, shops, park trails, and gardens, as well as the San Diego Zoo. For a complete list of attractions and inspiration for family outings, visit the park's website.

Phone: 619-239-0512 Website: balboapark.org

Coronado Island





del Coronado, founded in 1888. The Coronado Ferry landing features restaurants, parks, unique boutiques, and a small beach. The website provides a compre-

Victorian Hotel

hensive guide to exploring the island. Website: coronadovisitorcenter.com

Embarcadero Marina Park North and South

400 Kettner Blvd, San Diego, CA 92101; 200 Marina Park Way, San Diego, CA 92101

Embarcadero Marina Park is located between the San Diego Bay and the San Diego Convention Center. The park comprises two separate areas: Embarcadero Marina Park North and Embarcadero Marina Park South, which feature outdoor shopping, parks, and a spectacular 830-foot-long fountain with water jets.

Phone: 619-686-6200

Website: tinyurl.com/y8tcskzt and portofsandiego.org/experiences/where-

go/embarcadero

Bounded by RR tracks, Broadway, 4th Ave, and 6th Ave, San Diego, California

The Gaslamp Quarter is a lively downtown neighborhood known for its nightlife. Clubs, dive bars, and cocktail lounges draw a young crowd, while the Spreckels and Balboa theaters have diverse music, comedy, and drama programs.

Phone: 619-233-5227 Website: gaslamp.org

Maritime Museum of San Diego

1492 N Harbor Dr. San Diego, CA 92101

The Museum features a historic collection of maritime heritage vessels, including the Star of India (the world's oldest active sailing ship), the 1898 Victorian-era steam ferryboat Berkeley, the steam yacht Medea, and the world's deepest diving submarine, the USS Dolphin. The fleet includes California's official tall ship of the state, the schooner Californian, plus the 16th-century Spanish galleon replica San Salvado.

Phone: 619-234-9153 Website: sdmaritime.org

Old Town State Historic Park

The park is located on San Diego Avenue and Twiggs Street in San Diego and is conveniently adjacent to the Old Town Transit Center, with Coaster, Trolley, and MTS Bus service.

Old Town San Diego State Historic Park offers the opportunity to experience life in the Mexican and early American periods of 1821-1872 and highlights how converging cultures transformed San Diego from a Mexican pueblo to an American settlement.

Phone: 619-278-0955

Website: tinyurl.com/y7xe3se4

San Diego Natural History Museum

1788 El Prado, San Diego, CA 92101

Located within Balboa Park, the San Diego Natural History Museum is the third-oldest scientific research institution west of the Mississippi. The Museum features 8 million specimens, educational programs, and award-winning exhibits.

Phone: 619-232-3821 Website: sdnhm.org

San Diego Chinese Historical Museum

404 3rd Ave, San Diego, CA 92101 Located in a restored adobe building,



the San Diego Chinese Historical Museum has a mission to educate and inspire by preserving and celebrating the richness of Chinese history, art, and culture.

Phone: 619-338-9888 Website: sdchm.org

San Diego's 7 Bridges Hike

This easy 5.5-mile loop packs in some of San Diego's best sights, including Balboa Park and the Hillcrest, North Park, and Banker's Hill neighborhoods. The terrain is flat and easily accessible to bikes, strollers, and kids (with only a handful of stairs thrown in). You'll be passing a plethora of coffee shops, eateries, and watering holes along the way, as well as several museums.

If you use the AllTrails App, it includes details about this urban hike (tinyurl.com/4e6ywws4).

Website: tinyurl.com/2nwxxfrj

Seaport Village

849 W Harbor Dr, San Diego, CA 92101

Seaport is a vast waterfront shopping, dining, and entertainment complex recreating a harborside setting of a century ago. The village is known for its one-ofa-kind shops, casual dining eateries, and fine dining waterfront restaurants.

Phone: 619-530-0704 Website: seaportvillage.com

USS Midway Museum

910 N Harbor Dr. San Diego, CA 92101

Climb aboard the historic naval aircraft carrier USS Midway Flight Deck, tour the bridge to the main engine, and see nearly 30 restored aircraft and helicopters on display on the Hangar Deck and Flight Deck.

Phone: 619-544-9600 Website: midway.org

PLACES TO EAT

San Diego's culinary scene is influenced by the local cuisine and culture. Thrillist Travel hailed San Diego as one of the Best New Foodie Cities in America and Travel & Leisure magazine called it one of "America's best cities for foodies."

Explore nearby neighborhoods and find various foods, from award-winning burgers and tacos to Italian, Mediterranean, and Korean cuisine. This listing is just a sampling of the hundreds of restaurants awaiting you. You can find an extensive list of eateries for all times of day and all dining preferences at: visitsandiego.com/attendees/ discover-san-diego.

The Balboa Bar and Grill

1863 Fifth Ave

Features fresh-made burgers and handcrafted cocktails.

Phone: 619-955-8525

Website: thebalboabarandgrill.com

Buon Appetito Restaurant

Located in: Little Italy 1609 India Street

Buon Appetito has won multiple

awards for its authentic Italian cuisine in a space a little off the beaten path.

Phone: 619-238-9880

Website: buonappetitosandiego.com Reservations: buonappetitosandiego.

com/reservation

Café Sevilla

353 Fifth Ave

Cafe Sevilla San Diego is located right in the heart of the historic Gaslamp Quarter and features Spanish tapas, or small plates, as well as traditional paellas, fresh seafood, and meat dishes.

Phone: 619-233-5979 Website: cafesevilla.com

Reservations: cafesevilla.com/reservations

Casa Guadalajara

Located in: Old Town 4105 Taylor Street

This restaurant features Mexican eats with live mariachi music, indoors or on the vibrantly colorful outdoor patio.

Phone: 619-295-5111

Website: casaguadalajara.com/menu

C Level

880 Harbor Island Drive

Resting on stilts atop San Diego Bay, C Level Lounge is an upscale-casual lounge on the waterfront overlooking the city skyline and Coronado.

Phone: 619-298-6802 Website: clevelsd.com

Reservations: opentable.com/r/c-level-

san-diego

Davanti Enoteca

Located in: Little Italy 1655 India Street

Known for its hearty portions, Davanti Enoteca is a favorite for its Honeycomb Flatbread Focaccia, authentic Italian dishes, and rustic Italian



breakfast, which includes menu items such as Eggs Benedict accompanied by a

full Bloody Mary bar. Phone: 619-237-9606

Website: davantienoteca.com/location/

san-diego-little-italy/

Reservations: tinyurl.com/j8c385ys

Garage Kitchen + Bar

Located in: The Shout House 655 Fourth Ave

This sports bar in a historic building features seasonal cocktails, New American dishes, and happy-hour deals.

Phone: 619-231-6700 Website: garagekitchenbar.com Reservations: exploretock.com/

garagekitchenandbar

Hudson & Nash

Located inside the Hilton San Diego Bayfront

1 Park Boulevard

Hudson & Nash features an array of coastally inspired libations and a something-for-everyone menu of offerings sourced from regional suppliers.

Phone: 619-321-4236

Website: hudsonandnash.com

Reservations: opentable.com/r/hudson-

and-nash-san-diego

Kairoa Brewing Co.

4601 Park Boulevard

This spacious, modern-industrial New-Zealand-inspired brewery offers brews, seafood, and comfort eats.

Phone: 619-295-1355 Website: kairoa.com

Liberty Public Market

2816 Historic Decatur Road

Liberty Public Market is a bustling marketplace inside an old Navy building with multiple hip eateries, bars, and specialty food and craft vendors.

Phone: 619-487-9346

Website: libertypublicmarketsd.com

Lionfish Modern Coastal Cuisine -San Diego

435 Fifth Ave

This is an upscale choice for small plates, sushi, and coastal cuisine.

Phone: 619-738-7200

Website and reservations: lionfished.com

Lucky's Lunch Counter

338 7th Avenue

Lucky's Lunch Counter serves classic American breakfast and lunch in a retro diner decorated with vintage baseball photos.

Phone: 619-255-4782

Website: luckyslunchcounter.co

Meze Greek Fusion

345 Sixth Ave

The menu features finely crafted Greek cuisine prepared with a Southern

California twist.

Phone: 619-550-1600

Website: gaslampmeze.com

Reservations: opentable.com/mezegreek-fusion

Mister A's

2550 Fifth Avenue, San Diego, CA 92103

Visit Mister A's for a fine-dining experience while enjoying views of the bay and skyline. The restaurant features French-hued American cooking.

Phone: (619) 239-1377

Website: asrestaurant.com

Reservations: opentable.com/r/mister-as-

san-diego

Morton's The Steakhouse

285 J St

This upscale chain serves aged prime beef, seafood, and other traditional steakhouse fare in a clubby space.

Phone: 619-696-3369

Website and reservations: mortons.com/

sandiego

Puesto

Located in: The Headquarters at

Seaport

789 W Harbor Drive Unit 155, San

Diego, CA 92101

Puesto is a Mexican Artisan Kitchen & Bar that has been recognized with a Michelin Plate honor.

Phone: 619-233-8880

Website: eatpuesto.com/locations/

san-diego-tacos

Reservations: eatpuesto.com/san-

diego-event-spaces

Royal India Exquisite Indian Restaurant

Located in: Gaslamp Quarter 329 Market Street

Voted the best Indian restaurant in San Diego, Royal India features fresh curry and kababs with regular and halal meats, as well as vegetarian options.

Phone: 619-269-9999 Website: royalindia.com

Roy's Restaurant

Located in: Marriott Marquis San Diego Marina

Here, Hawaiian fusion cuisine melds with French methods and vibrant

Pacific Rim flavors. Phone: (619) 239-7697 Website and reservations: roysrestaurant.com

Rustic Root

535 Fifth Ave

This modern rooftop destination features local, seasonal cuisine and craft cocktails, which can be enjoyed in stylish surrounds.

Phone: 619-232-1747 Website: rusticrootsd.com



REJUVENATE



EQUINE ORAL PASTE

Beneficial bacteria promote digestive health (Microencapsulated to remain viable while traveling through the digestive tract)

Digestive enzymes aid in the digestion, absorption, and utilization of protein, fiber, carbohydrates, fat, and minerals

Specialized proteins support the immune system against digestive disease

Inhibits the growth of pathogenic micro-organisms and promotes the multiplication of beneficial lactic-acid producing bacteria

Adsorbs and eliminates pathogenic bacteria

Calms and soothes the digestive tract of horses undergoing stress

Can be used on all ages of horses to assist in the care of scours, diarrhea, and other digestive issues

"Rejuvenate+ is a fabulous new tool in my practice to accomplish quick gut healing and restoration for horses with a variety of gut-compromising issues. Clients love it because it is cost-effective, does not have to be used all the time (effects are long-lasting), and the dosing is flexible and can be tailored to the individual horse."

Dr. Martha M. Faraday (PhD) - Four Oaks Equine Nutrition

pivotalfeeds.com

(915) 777-3580

BOOTH 827



Reservations: rusticrootsd.com/

reservations

Wild Hare Bar Garden

Located in: Hilton San Diego Gaslamp

Quarter

401 K Street

This hotel restaurant offers a breakfast buffet, coffee and cocktails, plus outdoor seating.

Phone: 619-231-4040

Website: wildharebargarden.com

Reservations: opentable.com/r/wildhare-bar-garden-san-diego

COFFEE SHOPS

Achilles Coffee Roasters

372 Fourth Avenue. San Diego, CA 92101 Phone: 858-314-8513

Website: achillescoffeeroasters.com

Copa Vida East Village

905 J Street, San Diego, CA 92101

Phone: 619-501-7529 Website: copa-vida.com

Margaritaville Coffee Shop

435 Sixth Ave #101, San Diego, CA 92101 Phone: 619-819-9500

Website: tinyurl.com/5yhkrzum

Roast Coach Coffee Bar

345 Sixth Avenue, San Diego, CA 92.101

Phone: 805-415-5040

Website: roastcoachcoffee.com

Skybound Coffee + Dessert Lounge

181 W Market St, San Diego, CA 92.101

Phone: 619-255-6515

Website: skyboundcoffeedessert.com

Spill the Beans Coffee and Bagels

Located in: Seaport Village 813 W Harbor Dr Unit C-7, San Diego, CA 9210 Phone: 619-230-5130

Website: spillthebeanssd.com

Starbucks

Located in: Hilton San Diego Bayfront 1 Park Blvd, San Diego, CA 92101

Phone: 619-321-4334

Website: tinyurl.com/3sk4pdyf

Pala-Tech™ **LABORATORIES**

The Science of Palatability™



How would you like to improve clinical outcomes with your equine patients? Using Pala-Tech Lab's high quality, palatable formulations will improve dosing compliance and ensure complete dosage consumption, which will result in improved clinical outcomes. Visit us at **Booth #1337** to learn more about how our "Science of Palatability" will help you and your clients provide better care for their horses. All of our products are supported by our 100% Palatability Acceptance Guarantee, so there is no risk for you or your clients to use any Pala-Tech formulation. Pala-Tech currently offers the following products, with more unique and beneficial formulations being developed:

√ F.A./Plus Granules

- o Easy-to-dose omega-3 fatty acid supplement for allergy and skin/haircoat conditions.
- o See visible improvement quickly...2 weeks.
- o Product Review by The Horse documents efficacy and benefits.

✓ BALT™ Respiratory Advantage

- o Formulations work directly with the **B**ronchus-**A**ssociated **L**ymphoid **T**issue (BALT).
- o Provides relief for the respiratory system and optimizes the horse's breathing.
- Paste formulation for acute conditions (results in 20-30 minutes) and Granules for maintenance and long-term use

✓ Gelling Electrolyte

- o Unique electrolyte powder turns into a longer-lasting gel for time-released water retention benefits for the horse and foal.
- o Choice of administration...feed as a powder or mix with water.
- o Delivers five energy sources for steady release over a 12-hour period.

✓ Joint Health

- o Formulations include glucosamine hydrochloride, creatine monohydrate and MSM.
- Choice of flavored granules, soft chews or powder. Much more affordable.
- o Comprehensive musculoskeletal supplement to keep horses mobile



Pala-Tech Laboratories, Inc. | 1-888-337-2446 www.palatech.com

Tiger Café

345 Market Street, San Diego, CA 92101 Website: tigercafeinc.com

KID-FOCUSED EXCURSIONS

Fleet Science Center

1875 El Prado, San Diego, CA 92101 Explore more than 100 hands-on exhibits that allow kids a chance to design, experiment, and experience a virtual reality adventure simulator. Where else can kids create a video game, mix and master music, design a skate park, watch a live show exploring science that is too loud to try at home, experience how gravity works, and much more? The Science Center is in central Balboa Park at the east end of the El Prado Drive walkway, next to

Phone: 619-238-1233 Website: fleetscience.org

the Bea Evenson Fountain.

LEGOLAND California

One Legoland Drive, Carlsbad, CA 92008

LEGOLAND California is a popular attraction if you're traveling with kids who love to build and create with Legos. The resort includes LEGO-LAND California, SEA LIFE Aquarium, LEGOLAND Water Park, LEGO-LAND Hotel, and LEGOLAND Castle Hotel.

Phone: 888-690-5346

Website: legoland.com/california

Living Coast Discovery Center

1000 Gunpowder Point Drive, Chula Vista, CA 91910

The Living Coast Discovery Center is an environmental education center





Pala-Tech™ **LABORATORIES**

The Science of Palatability™

Palatable Equine Products Improve Clinical Results

Effectively manage these conditions with Pala-Tech's palatable equine formulations:

✓ Respiratory Health ✓ Skin & Haircoat, Allergic Conditions ✓ Hydration & Stress
✓ Joint Health



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with marine animal and bird exhibits located in the Sweetwater Marsh Unit of the San Diego National Wildlife Refuge. It is about a 30-minute drive from the Convention Center.

Phone: 619-409-5900 Website: thelivingcoast.org

Museum of Making Music

5790 Armada Drive, Carlsbad, CA 92008

Discover and play musical instruments at a unique museum that tells the story of how instruments were made, used, and sold. You can pick up and play hundreds of instruments from around the world. It's fun for the whole family, and it gives kids a chance to feel what playing an electric guitar, trumpet, or flute might be

like. It is about a 40-minute drive from the Convention Center.

Phone: 760-438-5996

Website: museumofmakingmusic.org

The New Children's Museum

200 W Island Avenue, San Diego, CA 92101

The New Children's Museum is an arts-based children's museum in downtown San Diego with a mission to "stimulate imagination, creativity, and critical thinking in children and families through inventive and interactive experiences with contemporary art."

Phone: 619-233-8792 Website: thinkplaycreate.org

San Diego Air & Space Museum

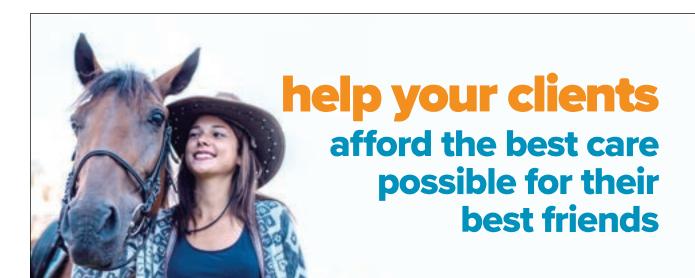
2001 Pan American Plaza, San Diego, CA 92101

Explore the history of aviation, and learn about the history of flight. Exhibits feature a model of the Montgolfier brothers' hot air balloon of 1783, rare aircraft from World War I, and classic military aircraft of WWII and the Korean and Vietnam military eras.

Experience the low-speed wind tunnel, and learn about the significance of space exploration throughout history and into the future. The museum is located in Balboa Park inside the former Ford Building, which is listed on the U.S. National Register of Historic Places.

Phone: 619-234-8291

Website: sandiegoairandspace.org



Visit our Veterinary Resource Center to order our free educational pet insurance materials!



Visit vet.aspcapetinsurance.com or call 1-877-738-2677

*Pre-existing conditions are not covered. Wailing periods, annual deductible, co-insurance, benefit limits and exclusions may apply. For all terms and conditions visit https://www.aspcapetinsurance.com/more-info/sample-plans-for-horses/. Products, chedules, discounts, and rates may vary and are subject to change. More information available at checkout. Product not available in all states.

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Nutritional supplements that support your treatment goals:

Product	Goal
InsulinWise°	Maintain normal insulin regulation.
ProbioticWise°	Support a return to healthy gut function.
Elevate [®] vitamin E	Maintain normal nerve and muscle functions and support healing.
Neigh-Lox [®] Advanced	Maintain normal pH levels, support healing, and sustain a robust microbiome.
BoneWise*	Support normal bone turnover and healthy bone density.
ElectrolyteWise™	Support normal hydration levels and replace lost electrolytes.



Witner Concepts

Bone Was

Market

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Drop by booth #1832 at the AAEP Conference in San Diego to learn more.



Developed by:

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KPPvet.com, 859-873-2974

EQUISUL-SDT[®]

(Sulfadiazine/Trimethoprim) Oral Suspension

Approved by FDA under NADA # 141-360

Federal law (USA) restricts this drug to use by or on the order of a licensed veterinarian

EQUISUL-SDT is a broad-spectrum antimicrobial from the potentiated sulfonamide class of chemo-therapeutic agents. These two drugs block different therapeutic agents. These two drugs block different sequential steps in the biosynthesis of nucleic acids. Sulfadiazine inhibits bacterial synthesis of dilydrofolic acid by competing with para-aminohenzolic acid by competing with para-aminohenzolic acid Trimethoprim blocks the production of tetrahydrofolic acid from dilydrofolic acid by reversibly inhibiting dilydrofolicate reductase. The effect of the dual action is to reduce the minimum inhibitory concentration of each agent (synergism) and to convert a bacteriostatic action to a bacterioridal action. Sulfadiazine is the non-proprietary name for 4-amino-N-2-py-irmidinylbenzenesulfonamide. Trimethoprim is the non-proprietary name for 5-{4,5-trimethoxyphenyl) methyl}-2,4-pyrimidinediamine.

Figure 1. Structure of sulfadiazine

Each mL of EQUISUL-SDT contains 400 mg combined active ingredients (333 mg sulfadiazin and 67 mg trimethoprim) in an aqueous suspens

EQUISUL-SDT is indicated for the treatment of ower respiratory tract infections in horses caused by susceptible strains of Streptococcus equi subsp.

DOSAGE AND ADMINISTRATION

Administer EQUISUL-SDT orally at the dosage of 24 mg combined active ingredients per kilogram weight (10.9 mg/lb) twice daily for 10 days 2.7 mL per 45.4 kg (2.7 mL/100 lb) body weight.

EQUISUL-SDT in containers of 280 mL and 560 mL with draw-off caps: Remove cap. Peel off white foil backed bottle seal and replace cap. Peel off oute cap seal exposing (hole) opening. Push an oral tig syringe into the cap opening. Invert and draw out appropriate volume of EQUISUL-SDT solution. (Note: Do not remove syringe while the bottle inverted as possible spillage may result.) Detach syringe and administer orally at the dosage of mg combined active ingredients per kilogram body weight (10.9 mg/lb) twice daily for 10 days EQUISUL-SDT can be administered by volume at 2.7 mL per 45.4 kg (2.7 mL/100 lb) body weight.

CONTRAINDICATIONS EQUISUL-SDT is contraindicated in horse

known allergy to sulfadiazine, sulfonamide class antimicrobials, or trimethoprim.

Do not use in horses intended for human consumption.

Not for use in humans. For use in animals only. Keep this and all drugs out of the reach of children. Consult a physician in the case of accidental human exposure.

timicrobial drugs, including sulfonamides, can Antimicrobial oruge, including submanilues, cause mild to severe allergic reactions in some individuals. Avoid direct contact of the product with the skin, eyes, mouth, and clothing. Persor with a known sensitivity to sulfonamides or trimethoprim should avoid exposure to this product. If an allergic reaction occurs (e.g., skin rash, hives, difficulty breathing, facial swelling) seek medical attention.

PRECAUTIONS
Prescribing antibacterial drugs in the absence of a proven or strongly suspected bacterial infection is unlikely to provide benefit to treated animals and may increase the risk of development of drug-

The administration of antimicrobials, including sulfadiazine and trimethoprim, to horses under conditions of stress may be associated with acute diarrhea that can be fatal. If acute diarrhea or persistent changes in fecal consistency are observed, additional doses of EQUISUL-SDT should not be administered and appropriate therapy should be initiated.

The safe use of FOUISUL-SDT has not been The sate use of EQUISUL-SDI has not been evaluated in breeding, pregnant, or lactating horses. Potentiated suffonamides should only be used in pregnant or lactating mares when the benefits to the mare justify the risks to the fetus. Use of potentiated suffonamides during pregnancy has been associated with an increased risk of congenital abnormalities that may be related to folate deficiency. In humans, suffonamides pass through the placenta, are sulfonamides pass through the placenta, are excreted in milk, and may cause hyperbilirubinemia-induced neurotoxicity in nursing neonates.

Decreased hematopoetic activity and blood dyscrasias have been associated with the use of elevated doses and/or prolonged administration of potentiated sulfonamides. EQUISUL-SDT should be discontinued if prolonged clotting times decreased platelet, white blood cell or red blood cell

Sulfonamides should be used with caution in horses with impaired hepatic function. Although rare, sulfonamide use has been associated with fulminant hepatic necrosis in humans.

Neurologic abnormalities have been reported in sev eral species following administration of potentiated sulfonamides. In horses, potentiated sulfonamides behavior changes that resolved after discontinuation

The safe use of EQUISUL-SDT has not been evalu-

ADVERSE REACTIONS

Adverse reactions reported during a field study of 270 horses of various breeds, ranging from 1 to 25 years of age, which had been treated with either EQUISUL-SDT (n = 182) or with a saline control (n = 88) are summarized in Table 1. At least one episcole of loose stool of varying severify was observed in 69 of 182 (38%) of the EQUISUL-SDT-treated horses, and 29 of 88 (33%) saline control horses.

Of those animals experiencing loose stool, 2 of 182 (11%) of the EQUISUL-SDT-treated horses and 0 of 88 (0%) placebo-treated horses were removed from the study due to dairheat (defined as at least one episode of watery stool). Both cases of diarnhea in this study were self-limiting and resolved without treatment within 5–10 days after discontinuation of EQUISUL-SDT-EQUISUL-SD

Adverse Reactions	Equisul-SDT (n=182)	Saline control (n=88)
Loose stool (including diarrhea)	69 (38%)	29 (33%)
Colic	3 (1.6%)	2 (2.2%)
Diarrhea	2 (1.1%)	0 (0%)

To report suspected adverse events, for technical assistance or to obtain a copy of the SDS, contact Aurora Pharmaceutical, Inc. the SDS, contact Aurora Pharmaceutical, Inc. at 1-888-215-1256 or www.aurorapharmaceutical com. For additional information about adverse w.fda.gov/reportanimalae

www.fda.govireportanimalae.

CLINICAL PHARMACOLOGY
Following oral administration, EQUISUL-SDT is rapidly absorbed and widely distributed throughout body itsusus. Sulfadiazine levels are usually highest in the kidney, while the tissue concentration in other tissues ion yil slightly lower than plasma concentrations. Concentrations of trimethoprim are usually higher in the lungs, kidney, and liver than in the blood. Sulfadiazine and trimethoprim are both eliminated primarily by renal excretion, both by glomerular filtration and tubular secretion. Unine concentrations of obn sulfadiazine and trimethoprim are several-fold higher than blood concentrations. Sulfadiazine and trimethoprim are 20% and 35% bound to plasma protein, respectively. Administration of sulfadiazine and trimethoprim is decreased.

Based on a study in fed horses, trimethoprim concentrations following repeat oral administration of 24 mg/kg COUSUL: DOT to 6 horses reached peak concentration in 0.5 to 12.0 hours. The median plasma elimination half-life was 3 hours, with a range 0.23 to 4.96 hours. Peak sulfadiazine concentrations were reached within 1.0 to 12.0 hours in the same study. The median plasma elimination half-life for sulfadiazine was approximately 7.80 hours, with a case of 6.78 to 1.0 to 90 hours. for surradiazine was approximately 7.80 hours, with a range of 6.78 to 10.39 hours. Only minor accumula-tion of both drugs was observed following repeat oral administration of EQUISUL-SDT and both drugs reached steady state by day 3. Sulfadiazine and trimethoprim key steady state parameters associated with administration in 6 fed horses over a period of 7 days are found in Table 2

Table 2. Median (Range) of sulfadiazine and trimethoprim pharmacokinetics parameters following repeat dosing of 24 mg/kg bid EQUISUL-SDT for 7 days to six horses in fed condition

Drug	Sulfadiazine	Trimethoprim
Tmax (hr)	4.75 (1.00–12.00)	8.50 (0.50–12.00)
Cmax (µg/mL)	17.63 (10.10–31.15)	0.78 (0.60–1.14)
AUC 0-12 (last dose) (hr*µg/mL)	159.35 (73.90–282.54)	5.47 (3.31–10.91)
T 1/2 (hr)	7.80 (6.78–10.39)	3.00 (2.31–4.96)

MICROBIOLOGY

EQUISUL-SDT is the combination of the sulfonamide sulfadiazine and trimethoprim. These two drugs block sequential steps in nucleic acids biosynthesis. Sulfadiazine inhibits bacterial synthesis of dihydrofolic acid by competing with para-aminobenzoic acid. Trimethoprim blocks the production of tetrahydrofolic acid from dihydrofolic acid by reversibly inhibiting dihydrofolate reductase. The two drugs act synergistically, reducing the minimum inhibitory conc of each, while enhancing the bacteriostatic action of each separately to a bactericidal action when

EQUISUL-SDT administered as a combined sulfadiazine-trimethoprim dose of 24 mg/kg body weight twice daily for 7 days provided concentrations of sulfadiazine and trimethoprim with T>MIC90 (%T) values of 100% and 98% respectively. The minimum inhibitory concentration (MIC) values for EQUISUL-SDT against indicated pathogens isolated from lower respiratory tract infections in horses enrolled in a 2010–2011 effectiveness field study are presented in Table 3. All MICs were determined in accordan with the Clinical and Laboratory Standards Institute (CLSI) Approved Standard M31-A3 using a broth microdilution system and 3% lysed horse blood

Table 3. Trimethoprim/sulfadiazine minimum inhibitory concentration (MIC) values of isolate initiality Contentiation (inc) values of instates recovered from horses with lower respiratory infection caused by Streptococcus equi subsp. zooepidemicus treated with EQUISUL-SDT in the U.S. (2010–2011)

Treatment Outcome	Success	Failure
Number of Isolates	65 ^c	46
Time of Sample Collection	Pre- Treatment	Pre- Treatment
MIC 50 ^b (µg/mL)	0.25/4.75	0.25/4.75
MIC 90 ^b (µg/mL)	0.25/4.75	0.25/4.75
MIC Range (μg/mL)	0.12/2.4 to 0.5/9.5	0.12/2.4 to 0.5/9.5

- the most susceptible isolates, respectively.

 ^c One isolate of S. equi subsp. zooepidemicus was

not resied.

EFFECTIVENESS

A negative control, randomized, masked, field study evaluated the effectiveness of EQUISUL-SDT administered at 24 maylig body weight, orally, kvice daily for 10 days for the treatment of lower respiratory tract infections in horses caused by Streptococcus equi subsp. zooepidemicus. In this study, a total of 182 horses were treated with EQUISUL-SDT, and 88 horses were treated with saline. One hundred sevently-three horses (112 EQUISUL-SDT and 61 saline) were included in the statistical analysis. Therapeutic success was characterized by absence of fever and no worsening of clinical signs at Day 5 and Day 10, and significant finical improvement or resolution of clinical signs of lower respiratory tract infection by Day 17. The observed success rates are 58.9% (86/112) and 14.8% (9/61) for the EQUISUL-SDT and saline-treated groups, respectively.

Table 4 summarizes the statistical analysis results on the overall success rate.

Table 4 Overall Clinical Effectiveness Results

	Equisul-SDT	Saline	P-value*
Least Square Means	61%	13.1%	0.0123
* P-value and estimated success rates are based			

ANIMAL SAFETT In a target animal safety study, EQUISUL-SDT was administered orally to 32 healthy adult horses at 0 (0X), 24 (1X), 72 (3X), or 120 (5X) mg/kg twice daily (JA), 24 (TA), 72 (SA), 01 720 (SA) rights where drainy for 50 days. Loose stool was the most common abnormal observation. Observations of loose stool observations of loose stool pelletis with field or unformed/coxpletis stool occurred move that the control of the control of

Horses in all EQUISUL-SDT groups demonstrated Horses in all EQUISUL-SDT groups demonstrated statistically significantly higher mean serum creatinine concentrations, and those in the DX and SX groups demonstrated statistically significantly higher mean serum alturnia concentrations. Statistically higher mean neutrophil counts and mean serum gamma glutamyl transferase (GGT) activity were seen in the 1X and 5X groups. Individual animal creatine, GGT, and albumin concentrations remained within the reference range. Individual animal elevations in absolute neutrophil counts ranged up to 7.09 x 10⁹/mcL (reference range: 1.96-5.31 x 10⁹/mcL).

Based upon blood concentrations obtained during the study, it was noted that the sulfadiazine and trimethoprim plasma concentrations did not increas in proportion to dose. For sulfadiazine, a 3X and 5X dose resulted in an average exposure of 2.0X and 2.6X the concentrations observed following a 1X dose. For trimethoprim, the corresponding values were 2.5X and 3.5X as compared to the 1X dose. Furthermore, marked intersubject variability, particularly with sulfadiazine, resulted in substantial verlap of individual subject blood levels across the three dosing groups.

STORAGE CONDITIONS

Store upright at 59" – 86" F (15" – 30" C).
Brief periods up to 104" F (40" C) are permitted.
Protect from freezing. EQUISUL-SDT in containers
of 280 mL and 560 mL — discard 60 days after

HOW SUPPLIED

EQUISUL-SDT is available in the following package sizes: 135 mL

[footnote]

Kahn CM, Line S, eds. The Merck Veterinary Manual. 10th Ed. Merck & Co. 2010.



San Diego Zoo Safari Park

15500 San Pasqual Valley Road, Escondido, CA 92027

See more than 2,600 animals including giraffes, elephants, and lions-roam in large free-range enclosures. Sightsee on your own or purchase a ticket for a 60-minute guided tour. The Africa Tram tour around the park and the Caravan Safari through the Asian Savannah and African Plains are two visitor favorites. Take the Skyline Safari zipline for an aerial view of select animal enclosures. It is about a 60-minute drive from the Convention Center.

Phone: 619-231-1515 Website: sdzsafaripark.org

San Diego Zoo

2920 Zoo Drive, San Diego, CA 92101

Located inside Balboa Park, the San Diego Zoo spans 100 acres and is home to more than 3,700 rare and endangered animals, representing about 660 species and subspecies. The famous botanical collection includes more than 700,000 plants. It is about a 15-minute drive from the Convention Center.

Phone: 619-231-0251 Website: zoo.sandiegozoo.org

SeaWorld San Diego

500 Sea World Drive, San Diego, CA 92109

SeaWorld is one of the largest marine animal rescue organizations in the world. SeaWorld San Diego features marine mammals, a water park, and a theme park, which includes Sesame Place San Diego. It is about a 15-minute drive from the Convention Center.

Phone: 619-222-4732

Website: seaworld.com/san-diego





Andy Roberts, DVM Lexington, KY

"EQUISUL-SDT" is my first course broad spectrum antibiotic.

Because the combination of Sulfadiazine/ Trimethoprim is so broad spectrum, I can treat problematic respiratory bacteria before they become a major problem.

EQUISUL-SDT is mainly used for respiratory issues, i.e., a febrile horse, elevated SAA, no cough and making a presumptive diagnosis that they have an early respiratory issue.

I want a horse on this product a minimum of 10 days. With the convenient 560 mL bottles, I can script it out to a trainer/owner for 10 days."

EQUISUL-SDT®

(Sulfadiazine/Trimethoprim)

Equisul-SDT® (sulfadiazine/trimethoprim) is ready to handle those pneumonia-prone signs of respiratory infections following foaling and pre-breeding.

> Containing a higher bioavailability compared to approved paste products, Equisul-SDT is

the equine veterinarian's go-to antibiotic of choice, especially when the treatment of lower respiratory tract infections caused by susceptible strain of

Streptococcus equi subsp. Zooepidemicus are indicated.



VETERINARY

WELLNESS PREVIEW

Veterinary wellness will be at the forefront of many discussions at the 2023 AAEP Convention as the organization works toward transforming equine practice.

By Carly Sisson

xpect veterinarian wellness to be front and center during the 2023 AAEP Convention. This keeps with the AAEP Commission on Veterinary Sustainability's mission to transform equine practice to attract and retain veterinarians. The AAEP Commission comprises five subcommittees—Compensation, Internship, Practice Culture, Emergency Coverage, and Student-and members of these subcommittees will speak during many of the sessions.

Convention presentations will cover wellness topics including practice culture, compassion fatigue, emergency coverage solutions, burnout, and career longevity. In this article we'll preview the speakers who will give presentations on veterinarian wellness so you can include them on your Convention "must-see" list.

THURSDAY, NOV. 30

Wellness talks begin at 6:30 a.m. on Thursday, Nov. 30, during a Sunrise Session panel discussion on "Updates in Creating a Sustainable Practice Model." Multiple members of the AAEP Commission's subcommittees will lead the discussion, including Dr. Shane Baird of the Compensation Subcommittee, Dr. Stacey

Cordivano of the Practice Culture Subcommittee, and Dr. Cara Wright of the Emergency Subcommittee. Dr. Wendy M. Krebs, a shareholder at Bend Equine Medical Center, and Dr. Michael Clark of South Sound Equine Practice will also be panelists.

From 2:00-5:00 p.m. on Thursday, Dr. Mitchell K. Rode will moderate "Understanding DEI for the Equine Veterinary Profession." Rode will present on the origin of diversity, and Dr. Latonia Craig, Dr. Troy Holder, and Ray Daniels will continue the conversation. The session will conclude with a panel discussion including all four speakers.

FRIDAY, DEC. 1

DEI discussions will



continue at 10:00 a.m. on Friday during the Table Topics with "How Diversity, Equity, and Inclusion Can Benefit Your Practice," presented by Kim D'Abreu, Dr. Rachel Cezar-Martinez, and Dr. Rustin Moore.

From 1:30-4:50 p.m. on Friday, Dr. Emma Read will moderate "I Am Change: Transforming Your Equine Practice with Innovative Solutions." During this session, Compensation and Practice Culture subcommittee members will detail their work. Featured speakers include Drs. Kelly A. Zeytoonian and Stacey Cordivano, co-chairs of the Practice Culture Subcommittee, and Drs. Jim Zeliff and Travis Boston, co-chairs of the Compensation Subcommittee.

During the Friday afternoon Table Topics, Drs. Liz Arbittier and Page Buck will lead a session called "Emotional Well-Being and Compassion Fatigue" at 1:30 p.m.

SATURDAY, DEC. 2

Saturday will begin with the session "The Intersection of Ethics in Equine Practice and the Sustainability of the Profession" from 6:30-8:00 a.m. Dr. Duane E. Chappell will



moderate the discussion, which will include an ethics panel representing AAEP Commission subcommittee members from Emergency Coverage, Practice Culture, Internships, and Compensation. Featured speakers will include Dr. Jesse Tyma, a member of the Internship Subcommittee; Dr. Ginger Reagan, a member of the **Emergency Subcommit**tee; Dr. Andy Cameron, a member of the Practice Culture Subcommittee; and Dr. Olivia Rudolphi, a member of the Compensation Subcommittee.

From 8:00-11:40 a.m., Dr. Jorge L. Colón will moderate the session "Business and Practice Life: Optimizing Personal Wellness in Practice."

Colón is an associate professor of practice at the Cornell University College of Veterinary Medicine's Center for Veterinary Business and Entrepreneurship and the author of Essential Business Practices for Veterinary Professionals. His session will include discussions about various aspects of practice culture, including social media, leadership, internships, and more.

Dr. David Hall will speak during this session about the growing role of social media in practice. Dr. Jesse Tyma will follow with a discussion on responsible and intentional leadership for early career veterinarians. Dr. Jonathan A. Yardley will then talk about incorporating the

nine dimensions of wellness into an equine internship to avoid burnout.

Dr. Cara Wright will discuss coping strategies for managing on-call stress. Dr. Eleanor Green, a member of the Student Subcommittee, will speak about adaptability as a core competency for success in practice. Wright will return to speak on combating decision fatigue.

Dr. Becky Tees will discuss harvesting a workplace culture of sustainability in private practice. Dr. Amy Grice will speak about the gender wage gap in equine veterinary medicine. Finally, Dr. John A. Chalk will discuss equine financial statement benchmarks.

During the Saturday

Altren (altrenogest)

SOLUTION 0.22% (2.2 mg/mL)

Federal law restricts this drug to use by or on the order of a licensed veterinarian.

DESCRIPTION:

Altren® (altrenogest) Solution 0.22% contains Auten (autenoges) solution 0.22% contains the active synthetic progestin, altrenogest. The chemical name is 170-allyl-17β-hydroxyestra-4,9,11-trien-3-one. The CAS Registry Number is 850-52-2. The chemical structure is:

Each mL of Altren® (altrenogest) Solution 0.22% contains 2.2 mg of altrenogest in an oil solution.

Altren® (altrenogest) Solution 0.22% produces a progestational effect in mares

INDICATIONS:

Altren® (altrenogest) Solution 0.22% is indicated to suppress estrus in mares. Suppression of estrus allows for a predictable occurrence of estrus following drug withdrawal. This facilitates the taliaming drug windrawal. This scalinates the attainment of regular cyclicity during the transition from winter anestrus to the physiological breeding season. Suppression of estrus will also facilitate management of prolonged estrus conditions. Suppression of estrus may be used to facilitate scheduled breeding during the physiological breeding season.

CONTRAINDICATIONS:

Altren® (altrenogest) Solution 0.22% is contra-indicated for use in mares having a previous or current history of uterine inflammation (i.e., acute, subacute, or chronic endometritis). Natural or synthetic gestagen therapy may exacerbate existing low-grade or "smoldering" uterine inflammation into a fulminating uterine infection in

Various synthetic progestins, including altrenogest, when administered to rats during the embryogenic stage of pregnancy at doses manyfold greater than the recommended equine dose caused fetal anomalies, specifically masculinization of the female genitalia.

DOSAGE AND DIRECTIONS:

While wearing protective gloves, remove shipping cap and seal; replace with enclosed plastic dispensing cap. Remove cover from bottle dispensing tip and connect luer lock syringe (without needle). Draw out appropriate volume of Altren® solution. (Note: Do not remove syringe while bottle is inverted as spillage may result.) Detach syringe and administer solution orally at the rate of 1 mL per 110 pounds of body weight (0.044 mg/kg) once daily for 15 consecutive days. Administer solution directly on the base of the mare's tongue or on the mare's usual grain ration. Replace cover on bottle dispensing tip to prevent leakage. Excessive use of a syringe may cause the syringe to stick; therefore, replace syringe as necessary

DOSAGE CHART:

in Pounds	in mL
770	7
880	8
990	9
1100	10
1210	11
1320	12

WHICH MARES WILL RESPOND TO ALTREN® (altrenogest) SOLUTION 0.22%: Extensive clinical trials have demonstrated that

extrusive united unlast have unfortistated unlest set united by the structure of the structure of the structure of the of the mares within three days; however, the post-treatment response depended on the level of ovarian activity when treatment was initiated. Estrus in mares exhibiting regular estrus cycles during the breeding season will be suppressed during treatment; these mares return to estrus during treatment, rieser lines return to estudie four to five days following treatment and continue to cycle normally. Mares in winter anestrus with small follicles continued in anestrus and failed to exhibit normal estrus following withdrawal.

Response in mares in the transition phase between winter anestrus and the summer breednetween winter anessrus and the summer preed-ing season depended on the degree of follicular activity. Mares with inactive ovaries and small follicles failed to respond with normal cycles pos-treatment, whereas a higher proportion of mares with ovarian follicles 20 mm or greater in diameter exhibited normal estrus cycles post-treatment. ter exhibited normal estruls cycles post-treatment. Altrenogest Solution 0.22% was very effective for suppressing the prolonged estrus behavior frequently observed in mares during the transition period (February, March and April). In addition, a high proportion of these mares responded with regular estrus cycles post-treatment. SPECIFIC USES FOR ALTREN® (altrenogest) SOLUTION 0.22%:

SUPPRESSION OF ESTRUS TO:

Facilitate attainment of regular cycles during the transition period from winter anestrus to the transition period from whiter an estud to the physiological breeding season. To facili-tate attainment of regular cycles during the transition phase, mares should be examined to determine the degree of ovarian activity. Estrus in mares with inactive ovaries (no follicles greater than 20 mm in diameter) will be ssed but these mares may not begin regular cycles following treatment. Howe mares with active ovaries (follicles greate than 20 mm in diameter) frequently responses with regular post-treatment estrus cycles.

- 2. Facilitate management of the mare exhibiting racinitate than agentant of the transition period.

 Estrus will be suppressed in mares exhibiting prolonged behavioral estrus either early or late during the transition period. Again, the post-treatment response depends on the level of ovarian activity. The mares with greater ovarian activity initiate regular cycles and conceive sooner than the inacti conceive sooner than the inactive mares.

 Altren® (altrenogest) Solution 0.22% may be administered early in the transition period to suppress estrus in mares with inactive ovaries to aid in the management of these mares or to mares later in the transition period with active ovaries to prepare and schedule the mare for
- Permit scheduled breeding of mares during the physiological breeding season. To permit scheduled breeding, mares which are regularly cycling or which have active ovarian function should be given Altren® (altrenogest) Solution 0.22% daily for 15 consecutive days beginning 20 days before the date of the days following the onset of estrus as expected for non-treated mares. Breeding should follow usual procedures for mares in estrus Mares may be regulated and scheduled either individually or in groups

ADDITIONAL INFORMATION: A 3-year well controlled reproductive safety study was conducted in 27 pregnant mares, and compared with 24 untreated control mares Treated mares received 2 ml. altrenogest reated males received 2 mit. attentiogs solution 0.22%/110 lb body weight (2x dosage recommended for estrus suppression) from day 20 to day 325 of gestation. This study provided the following data:

- 1. In filly offspring (all ages) of treated mares.
- Filly offspring from treated mares had shorter interval from Feb. 1 to first ovulation than fillies from their untreated mare counterparts.
- There were no significant differences in reproductive performance between treated and untreated animals (mares & their respec-tive offspring) measuring the following
- interval from Feb. 1 to first ovulation, in mares only
- mean interovulatory interval from first to second cycle and se mares only. cond to third cycle
- follicle size, mares only
- at 50 days gestation, pregnancy rate in treated mares was 81.8% (9/11) and untreated mares was 100% (4/4).
- after 3 cycles, 11/12 treated mares were pregnant (91.7%) and 4/4 untreated mares were pregnant (100%).
- colt offspring of treated and control mares pached puberty at approximately the ame age (82 & 84 weeks respectively).
- stallion offspring from treated and control mares showed no differences in seminal volume, spermatozoal concentration. zoal motility, and total sperm
- stallion offspring from treated and control mares showed no difference in sexual behavior.
- testicular characteristics (scrotal width testis weight, parenchymal weight, epididymal weight and height, testicular height, width & length) were the same between stallion offspring of treated and control mares.

REFERENCES

C.F., E.L. Squires, and R.K. Shoemaker, C. Shideler, 1989.

Safety of Altrenogest in Pregnant Mares and on Health and Development of Offspring. Eq. Vet. Sci. (9): No. 2: 69-72.

res. E.L., R.K. Shideler, and

Reproductive Performance of Offspring from Mares Administered Altrenogest During Gestation. Eq. Vet. Sci. (9); No. 2: 73-76.

WARNING

For oral use in horses only. Keep this and all other medications out of the reach of children. Do not use in horses intended for

HIIMAN WARNINGS:

Skin contact must be avoided as Altren® (altrenogest) Solution 0.22% is readily absorbed through unbroken skin. Protective gloves must be worn by all persons handling this product. Pregnant women or women who suspect they are pregnant should not andle Altren® (altrenogest) Solution 0.22%. lomen of child bearing age should exercise treme caution when handling this product. Accidental absorption could lead to a disrup tion of the menstrual cycle or prolongation of pregnancy. Direct contact with the skin should therefore be avoided. Accidental spillage on the skin should be washed off

INFORMATION FOR HANDLERS: WARNING: Altren® (altrenogest) Solution 0.22% is readily absorbed by the skin. Skin contact must be avoided; protective gloves

product. The information contained in this section is extrapolated from data available on other products of the same pharmacological class that have been used in humans. Effects anticipated are due

ite effects after a single exposure are possible; however, continued daily exposure has the potential for more untoward effects such as disruption of the menstrual cycle, uterine or abdominal cramping, increased or decreased as distiption of the hierarchical cycle, therite of abdominal cramping, increased or decreased uterine bleeding, prolongation of pregnancy and headaches. The oil base may also cause

In addition, the list of people who should not handle this product (see below) is ba the known effects of progestins used in humans

PEOPLE WHO SHOULD NOT HANDLE THIS PRODUCT:

- 1. Women who are or suspect they are
- Anyone with thrombophlebitis or thrombo embolic disorders or with a history of these
- 3. Anyone with cerebral-vascular or coronary-
- Women with known or suspected carcinoma of the breast.
- 5. People with known or suspected estrogendependent neoplasia.
- 6. Women with undiagnosed vaginal bleeding. People with benign or malignant tumors which
- eveloped during the use of oral contraceptives or other estrogen-containing products.
- 8. Anyone with liver dysfunction or disease

Accidental Exposure
Altrenogest is readily absorbed from contact with
the skin. In addition, this oil based product can penetrate porous gloves. Altrenogest should not penetrate intact rubber or impervious gloves: penetrate intact rubber of impervious gloves, however, if there is leakage (i.e., pinhole, spill-age, etc.), the contaminated area covered by such occlusive materials may have increased absorption. The following measures are recom-mended in case of accidental exposure.

Skin Exposure: Wash immediately with soap

Eye Exposure: Immediately flush with plenty of water for 15 minutes. Get medical attention.

If Swallowed: Do not induce vomiting, Altren® (altrenogest) Solution 0.22% contains an oil. Call a physician. Vomiting should be supervised by a physician because of possible pulmonary damage via aspiration of the oil base. If possible bring the container and labeling to the physician.

Store upright at or below 25° C (77° F). Reclose tightly.

HOW SUPPLIED:

Altren® (altrenogest) Solution 0.22% (2.2 mg/mL). Each mL contains 2.2 mg altrenogest in an oil solution. Available in 150 mL and 1000 mL

Manufactured by: Aurora Pharmaceutical Inc

Approved by FDA under ANADA # 200-620

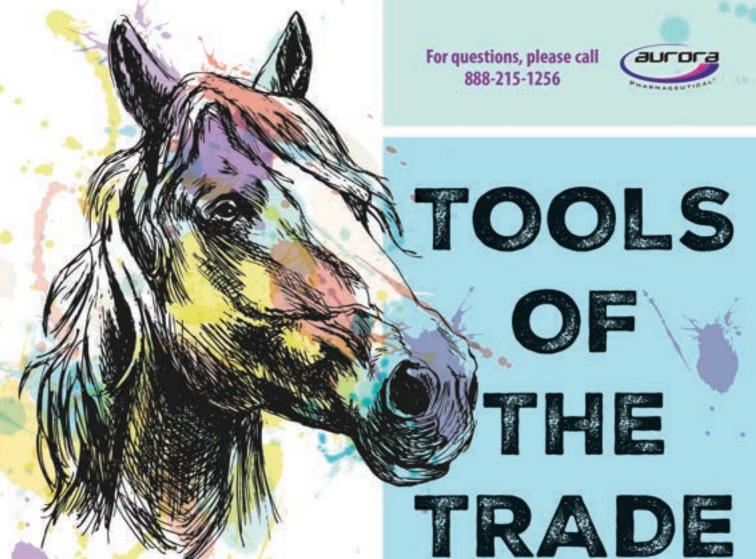


07/2021

morning Table Topics, Drs. Mike Erskine and Meggan Graves from the AAEP Commission's Emergency Coverage Subcommittee will lead the 8 a.m. session on "Emergency Alternatives—Starting an Emergency Practice and Decoupling Emergency Duty from Regular Schedules."

During the Saturday afternoon Table Topics, Drs. Jaci Boggs and Kimberly Harmon from the Practice Culture Subcommittee will lead a session called "Developing Personal and Professional Core Values to Create Career Longevity." Dr. Emma Read from the Practice Culture Subcommittee and Dr. Jackie Christakos from the Internship Subcommittee will follow this session with "Using Competency-Based Education and Entrustment Scales to Provide Feedback to Young Practitioners." Afterward, Grice and Dr. Martha Mallicote will discuss the compensation gender gap.

From 2:00-3:30 p.m. on Saturday, Wiss Costanza of the AAEVT will moderate the AAEP/AAEVT Joint Roundtable Discussion. The meeting will begin with a roundtable talk on how successful veterinary teams have created respectful working relationships. The discussion will also focus on how veterinary technicians can be fully utilized, the challenges of finding and keeping staff, and the importance of open communication. Panelists will include Drs. Mike Fugaro, Bridget Heilsberg, and Charlotte Lacroix from the AAEP, as well as Travis Otremba, Elyse Rowley, and Andrea Whittle from the AAEVT.



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ALTREN®

(altrenogest)

Throughout the mare breeding season, Altren® (altrenogest) is quickly becoming the product of choice in handling estrus issues in horses.

Containing the same formulation and active ingredient as Regu-Mate" (altrenogest) and backed by Aurora's "Best-Price-Always" commitment, Altren is becoming the industry's most requested altrenogest product line, enhanced by Altren's proprietary 150 mL dose and FDA-approved vented cap.

Spending more no longer makes sense when it comes to effective estrus management. W GG

Wade Shoemaker, DVM Countryside Large Animal Veterinary Clinic Greeley, CO

"Altren" (altrenogest) is a product our practice relies on to provide the same active ingredient as Regu-Mate" (altrenogest), but at a much better price point.

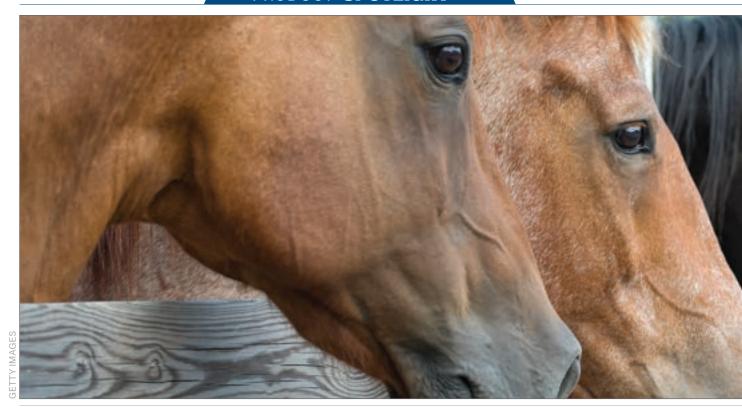
My clients appreciate the cost savings I can pass on to them. Altren has quickly become the #1 altrenogest in our practice due to the cost savings and specialized packaging.

We routinely send the Altren 150 mL home with clients, especially if we have a problem mare that needs to be on altrenogest after breeding. That will allow us to get out to the ranch at 15 days for the first preg-check and then decide if the mare stays on the Altren or not.

It's been a great deal for us and for the client."

Regul Mate is a Registered Euromatic of World Assimal Houth Streen is a Registered Euromatic of Assimal Photomorphisal Sec. 00/2022 ad000178

PRODUCT SPOTLIGHT





Asto CT

The Equina® by Asto CT offers high-quality CT imaging for equine standing limb pair and head/neck scans. Stop by Booth 1314 for treats and to learn more about how standing CT can enhance your practice. Join us Thursday, Nov. 30, during the tradeshow reception for an open bar and appetizers. www.astoct.com



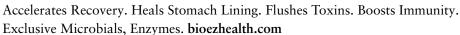


BioEZ Health/GGBC Inc.

Resolves fecal water syndrome (FWS)/free fecal water (FFW).

Digestive health solutions maintain optimal fore- and hindgut function.

Natural supplements provide a foundation for better overall health, solving a wide range of digestive challenges.





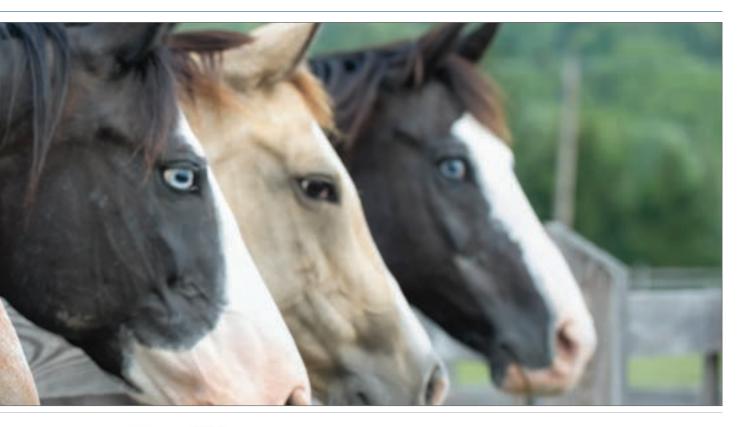


Butterfly Network

Butterfly Network is the creator of the world's most advanced handheld, single-probe, whole-body, all-species

veterinary ultrasound system. Bring the power of Butterfly's second-generation device, iQ+ Vet, into your routine assessment, diagnosis, and treatment. Visit us at Booth 1327 to learn more about our latest features customized for equine use and special show offers. vet.butterflynetwork.com/demo







Cryoport Systems

Cryoport Systems specializes in providing the safest and most reliable temperature-controlled shipping services for animal vaccines and reproductive materials.



Services include ordering, assistance with international documentation requirements, as well as monitoring your shipment's conditions, such as location, temperature, orientation, shock, and more. Booth 3442. cryx.co/44WJVPY



Custom Compounding Pharmacy

Custom Compounding Pharmacy compounds medications solely for veterinary use in small batches for animals' specific needs. We take drugs and other



ingredients to make the exact medication that is necessary for your animal. Our team offers a personalized experience with a quick turnaround and fair prices. customcompoundingpharmacy.net



Endoscopy Support Services: USB Endoscopy 8.0mm videoscope

NEW 8.0 mm USB Videoscope, 150 cm working length, 2.8 mm channel, four-way angulation: 180° Up, 130° Down,

100° Left/Right. Includes a license for iCap® ver.5 (easily upgradable to ver 6 through 8, sold separately). Light source with an air pump sold separately. More info online. endoscopy.com/USB8



PRODUCT SPOTLIGHT



Endoscopy Support Services: iCap version 8

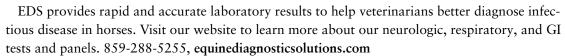
iCap 8: The cutting-edge software solution revolutionizing medical image capture and reporting. With a simple click,

health care professionals can now effortlessly send completed cases directly to PACS, eliminating time-consuming file selection and reducing manual errors. Offers user-friendly interface, comprehensive image management, advanced tools for DICOM video, and still image capture. endoscopy.com/iCap8



Equine Diagnostic Solutions

Fast, reliable results with a team ready to answer your questions.







Freedom Health

Get ahead of the GI health issues affecting horses in your practice with SUCCEED. Visit Booth 1037.

Performance horses are plagued with digestive issues. Use the SUC-CEED Equine Fecal Blood Test to identify the presence of gastric and hindgut issues. Then, support

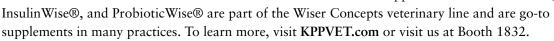
ongoing GI health with the SUCCEED Veterinary Formula, a daily nutritional program for the healthy structure, function, and balance of the entire GI tract. succeed-aaep.com





Kentucky Performance Products

Kentucky Performance Products offers veterinarians effective, high-quality, research-proven supplements. Elevate® is the leader in natural vitamin E supplementation. BoneWise®,







BETTY IMAGES



Kinas Medical Technologies

Shockwave Therapy Equipment for Equine Health and Rehab from Kinas Medical, formerly known as Focus It, is the only U.S. company with over 30 years of expertise. Receive full support during implemen-



tation, clinical updates, service, and training with every system purchase. Check out the Masterclass of our Kinas Medical Partner - The Academy of Shockwave Excellence. 9491868.hs-sites.com/academy-sign-up



Nutramax Laboratories Veterinary Sciences Inc.

For over 30 years, Nutramax Laboratories Veterinary Sciences Inc., the maker of Cosequin Joint Health Supplement, has become the industry leader in setting and adhering to exemplary manufacturing and quality control standards. We remain committed to producing high-quality, innovative equine products



for joint support, hoof care, digestive and immune support, and liver support. Visit the Cosequin booth to learn about our new products and how you can become part of our Veterinary Loyalty Program. www.cosequin.com/horses



RevitaVet

The RevitaVet® systems offer the leading technology in noninvasive care for conditions from abscesses to torn suspensories and anything between, including saddle sores and various musculoskeletal injuries. Our systems deliver safe and effective pulsed infrared light therapy,



which stimulates the body's natural ability to heal, and are also very popular for preventive maintenance and rehab. revitavet.com



Vetletics

Vetletics offers the world's first dynamic pneumatic compression devices for veterinary applications. The EQ PressTM is scientifically proven to "significantly accelerate lymphatic flow" in horses (Koch 2023) and is used for the rehabilitation and prevention of limb and hoof medical conditions as well as for enhanced performance and athletic recovery. vetletics.com





Zvcosan™

(pentosan polysulfate sodium injection)

250 mg/mL For intramuscular use in horses only.

Brief Summary (For Full Prescribing Information, see package insert)

CAUTION: Federal law restricts this drug to use by or on the order of a licensed veterinarian. **DESCRIPTION:** Zycosan contains pentosan polysulfate sodium, a semi-synthetic polysulfated xylan. It is a pale yellow to brownish yellow, clear,

sterile solution

INDICATION: For the control of clinical signs associated with osteoarthritis in horses. CONTRAINDICATIONS: Horses with hypersensitivity to pentosan polysulfate sodium or any of the inactive ingredients in Zycosan should not receive Zycosan. Do not use Zycosan concurrently with other anticoagulant drugs. Do not use in horses with clotting disorders or within 24 hours of surgical procedures (see Warnings and Precautions).

WARNINGS AND PRECAUTIONS:

User Safety Warnings: Not for use in humans. Keep out of reach of children. Pentosan polysulfate sodium is a weak anticoagulant. Caution should be used when administering

Caudion should be used when dari limiter in Zycosan if you are taking an anticoagulant. In case of accidental self-injection, seek immediate medical attention. If product comes into contact with skin, rinse skin thoroughly with water and seek medical attention if needed. To obtain a Safety Data Sheet (SDS), contact Dechra at (866) 933-2472.

Animal Safety Warnings and Precautions: Zycosan has been shown to prolong coagulation parameters up to 24 hours after injection, therefore caution should be used Injection, therefore calution should be used when administering this drug before or after strenuous activities (see Target Animal Safety). Due to the anticoagulant effects, this drug may exacerbate Exercise Induced Pulmonary Hemorrhage (EIPH). The concurrent use of MSAIDs with 2 vaccors her part become outlingted. NSAIDs with Zycosan has not been evaluated Due to the anticoagulant effects of Zycosan and known anticoagulant effects of some NSAIDs, caution should be used if NSAIDs are concurrently administered. Horses concurrently treated with Zycosan and NSAIDs should be monitored for hemorrhage or other clinical signs of abnormal bleeding (e.g., petechiae, ecchymosis, or epistaxis). The safety of long-term repeat use of Zycosan has not been evaluated. Pigmentary changes in the retina (pigmentary maculopathy) have been reported in human patients following long-term oral use of pentosan polysulfate sodium. It is not known if a similar finding occurs in horses. The safe use of Zycosan has not been evaluated in breeding, pregnant, or lactating

Other Warnings: Do not use in horses intended for human consumption

ADVERSE REACTIONS:

Injection site reactions were the most frequently reported adverse reactions in the field study Injection site reactions were associated with clinicopathology changes in some cases.

Other adverse reactions reported in more than one horse were prolongation of coagulation parameters (activated partial thromboplastin time (aPTT) and prothrombin time (PT)), lethargy, behavior changes, and colic To report suspected adverse events, for To report suspected adverse events, to technical assistance or to obtain a copy of the Safety Data Sheet (SDS), contact Dechra at (866) 933-2472. For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or online at http://www.fda.gov/reportanimalae.

STORAGE CONDITIONS: Store at room temperature 68-77°F (20-25°C), with excursions to 59-86°F (15-30°C).

MANUFACTURED FOR:

Dechra Veterinary Products 7015 College Boulevard, Suite 525 Overland Park, KS 66211 USA

Approved by FDA under NADA # 141-559 Zycosan is a trademark of Dechra Limited.

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Learn more in Booth #1622 at the AAEP Annual Convention.













Why settle for Adequate?

Zycosan°

(pentosan polysulfate sodium injection) 250 mg/mL

Zycosan® is:

- Indicated for the control of clinical signs associated with osteoarthritis
- Proven efficacy not limited to specific joints!
- 250 mg/ml in a 7.5 mL vial allows more flexibility in dosing a wide range of horses

Zycosan™

(pentosan polysulfate sodium injection)

250 mg/ml

For intramuscular use in horses only

Caution: Federal law restricts this drug to use by or on the order of a framework sets of species.

4 single use visis containing 7.5 mt, each

Approved by FDA under NADA # 141-550



Only requires 4 injections vs 7 injections to provide maximum therapeutic effect

Important Sately Information

As with all drugs, side effects may occur. For intramuscular use in horses only. Not for use in humans. Pentosan polysulfate sodium is a weak anticoagulant. Caution should be used when administering Zycosan if you are taking an anticoagulant. In case of accidental self-injection, seek immediate medical attention. If product comes into contact with skin, rinse skin thoroughly with water and seek medical attention if needed. Horses with hypersensitivity to pentosan polysulfate sodium should not receive Zycosan. Do not use Zycosan concurrently with other anticoagulant drugs. Do not use in horses with clotting disorders or within 24 hours of surgical procedures. Caution should be used when administering this drug before or after strenuous activities. Caution should be used when NSAIDS are administered concurrently due to the anticoagulant effects of Zycosan. If Zycosan and NSAIDS are used concurrently, horses should be monitored for hemorrhage or other clinical signs of abnormal bleeding. The safe use of Zycosan has not been evaluated in breeding, pregnant, or lactating horses. The safety of long-term repeat use of Zycosan has not been evaluated. The most frequently reported adverse reactions are injection site reactions, prolongation of coagulation parameters (activated partial thromboplastin time (aPTT) and prothrombin time (PT). Refer to the prescribing information for complete details or visit www.dechra-us.com.

^{1.} Zycosan* Freedom of Information Summary NADA M1-559