



EYE EXPERTS

We Are Committed to Providing Veterinary Professionals with the Resources Needed to Advance Veterinary Care and Care for Pets Better.

As an international reference in ophthalmology, Dômes Pharma is committed to providing veterinarians, nurses, and pet owners with:

- An extensive range of innovative ophthalmic products, from daily care and prevention to diagnostics and therapeutics
- Our teams' scientific and technical expertise
- A broad range of services, including disease management guidelines and innovative educational experiences.





PATENTED AND PROPRIETARY:

BioHance technology uses advanced bioengineering to create a molecular matrix of crosslinked hyaluronic acid (HA) that can be specifically modified for each formulation and particular tissue environment, including ocular and skin surfaces. It produces a cellular scaffolding with unique physical and chemical properties that enhance hydration, accelerate the body's own healing processes, and extend duration in tissue.

BIOENGINEERED FOR EFFECTIVENESS AND DURATION:

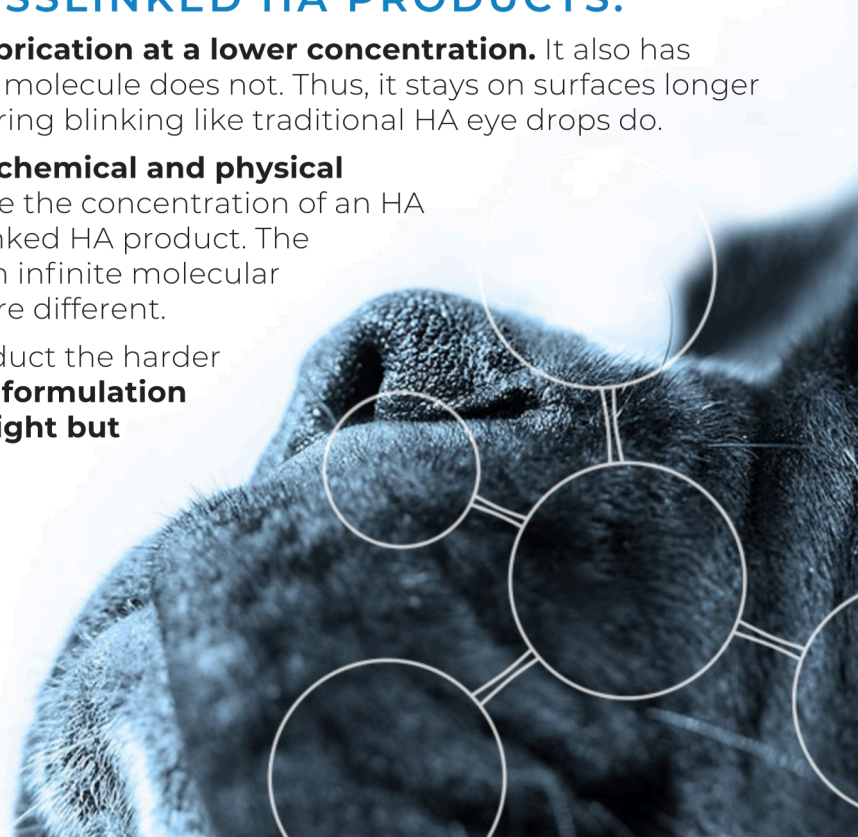
HA is a naturally occurring substance throughout the body of humans and animals that plays a key role in hydration, tissue lubrication, and healing processes. Before BioHance, the rapid degradation of naturally occurring HA limited its clinical applications and efficacy. This patented technology makes it possible to chemically modify the HA so it is more resistant to degradation while providing an ideal environment to enhance natural healing processes, hydration, and lubrication. This bioengineered technology platform also makes it possible to specifically design an optimal HA matrix for a particular tissue environment.

HOW OUR CROSS-LINKED HA COMPARES TO TRADITIONAL NON-CROSS-LINKED ALTERNATIVES:

Our BioHance technology is a purified product manufactured in Salt Lake City, UT. There are no side components that have any detrimental or toxic byproducts or irritating effects. Traditional cross-link technologies use a process that can result in poor biocompatibility, an elevated immune response, or inflammation.

CROSSLINKED VS NON-CROSSLINKED HA PRODUCTS:

- **Cross-linking creates a more viscous lubrication at a lower concentration.** It also has muco-adhesive properties that a base HA molecule does not. Thus, it stays on surfaces longer and does not get cleared from the eye during blinking like traditional HA eye drops do.
- **Once you cross-link HA, it changes the chemical and physical properties of HA.** Thus, you can't compare the concentration of an HA product to the concentration of a cross-linked HA product. The cross-linking process effectively creates an infinite molecular weight and thus the physical properties are different.
- The higher the molecular weight of a product the harder it is to get into solution. **Our cross-linked formulation nearly creates an infinite molecular weight but allows for scaling, purification, and sterile filtration.**



RESOURCES

Resources from self-directed on-demand content are available at **domespharma.us/learnmore/**. There you will find a variety of resources from clinical studies to a corneal disease guide, as well as, an E-book, Essential of Veterinary Ophthalmology E-book.

Conference participation and sponsored speakers and events:



DOMES PHARMA

Sentrix Animal Care is now Domes Pharma!

Visit us at booths 28 & 29 to learn more about our continued innovation in Ophthalmology.

2024 Scientific Study Publication

Effects of Topical Application of Crosslinked Hyaluronic Acid and Amniotic Membrane Extract Eye Drops on Corneal Re-Epithelialization in Dogs

Lorena Gonçalves e Sousa, Mariana Vilela dos Reis, Mariana, Claudia Lapinski, Eduardo Peres, Thiago Paulo Almeida, Leticia, Eliza Peres, Juan Carlos Souza Pereira, Fabiano Mouton-Ferreira

Scan the QR Code below to view the full study!



2024 ECVO Lecture Spotlight

Cross-Linked Hyaluronic Acid and Amniotic Membrane Extract Eye Drops Concentrations of Ocular Pharmacological in Canine Eyes

Dr. Eliza Krass, Eliza Krass, Eliza Krass, Eliza Krass, Eliza Krass, Prof. Ron O'Dr, Dr. Linnéa Sallberg

2023 ACVO Lecture Spotlight


Cross-Linked Hyaluronic Acid and Amniotic Membrane Extract Eye Drops Concentrations of Ocular Pharmacological in Canine Eyes

Linnéa Sallberg, DVM, PhD, DACVO

Visit US.DomesPharma.com/learnmore

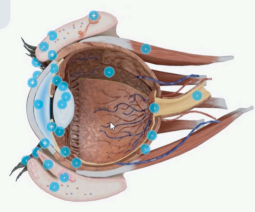


Interactive ocular immersion tool:



DOMES PHARMA

INTRODUCING THE NEW OCULAR IMMERSION TOOL FROM SENTRIX & DÔMES PHARMA




Healthy eye

Conjunctivitis

Dry eye

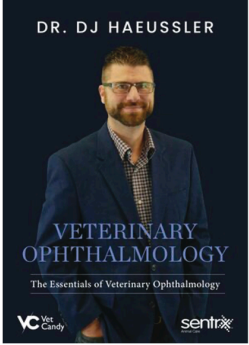
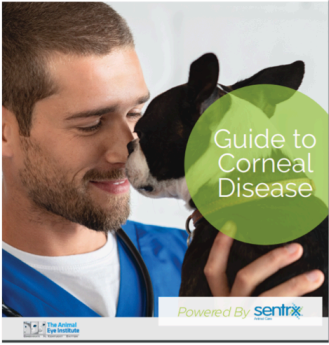
Superficial stromal ulcer

Anterior uveitis



Animal Care

DOMES PHARMA



On-demand CE-credit webinars from preeminent board-certified veterinary ophthalmologists.

{promo for Betbeze CE Webinar: Coming soon! Dr. Betbeze's webinar on RESTORING BRILLANCE – UPDATE ON DRY EYE DISEASE for 1 hour of CE credit.}

We have also created client-facing resources including videos and informational sheets to send home with pet owner to re-enforce your in-clinic discussions.



CLIENT TAKEAWAY

Corneal Ulcers: A Pet Owner's Guide for Treatment Success

Simple vs. Complicated Corneal Ulcers

Simple corneal ulcers typically heal without complications, so long as you follow your veterinarian's treatment recommendations. However, deeper ulcers and melting corneal ulcers—caused by infection with bacteria that produce cornea-degrading enzymes—are more serious. Prompt, aggressive treatment is warranted to prevent corneal progression, blindness, and eye loss.

WHY IS YOUR PET'S CORNEA IMPORTANT?

Your pet's cornea is the clear outer layer at the front of their eye. The transparent cornea allows light rays to enter the eye, and break, or refract, the light rays so they hit the retina at the correct angle for image formation. A healthy cornea appears clear and shiny.

WHAT IS A CORNEAL ULCER?

A corneal ulcer is an abrasion or wound on your pet's corneal surface that causes a break in the epithelium. The causes of common corneal ulcers include eye injury, such as a scratch from another pet's foreign bodies, such as plant material; chronic corneal irritation (e.g., abnormal eyelid growth, or eyelids that roll inward);

HOW ARE CORNEAL ULCERS DIAGNOSED?

A number of eye conditions can cause discomfort and itching, an accurate diagnosis is critical to ensure an appropriate treatment plan. Your veterinarian will perform a thorough eye exam to evaluate each part of your pet's eye and may apply fluorescein stain to their cornea. The stain adheres only to damaged areas where the epithelium has been lost and the underlying tissue is exposed. Positive stain uptake is

barroconjunctivitis sicca (BCKS, or "dry eye"), and exposure to chemicals, such as pet shampoo.

Most corneal ulcers are classified as simple ulcers, meaning they affect only the superficial corneal layer, and should quickly heal with prompt veterinary treatment. However, simple corneal ulcers can easily become infected and often require antibiotic treatment.

Complicated corneal ulcers are deeper and more serious, and can lead to eye rupture and blindness without aggressive treatment.



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SEE WHAT SOME OF THE LEADERS IN OPHTHALMOLOGY ARE SAYING:



"Although highly effective, no antiviral drugs to date prevent conjunctival goblet cell depletion in cats with herpesvirus infection. That's why we recommend concurrent use of topical hyaluronate in cats with herpetic disease. Due to its proven longer corneal contact time, Ocunovis Procure is a good choice." - **Dr. David Maggs, BVSc (hons), DACVO**



"I choose Ocunovis Procure for quantitative and qualitative dry eye disease in dogs and cats. It is proven to have longer corneal contact time than linear hyaluronic acid products and can be given less frequently, which improves client compliance." - **Dr. Caroline Betbeze, DVM, MS, DACVO**



"The causes of ocular surface disease are often multifactorial. Accordingly, treatment needs to mirror this multifactorial approach. I choose Oculenis BioHance Ocular Repair Gel for my patients as not only does it provide long-lasting lubrication and comfort that doesn't interfere with the use of antibiotics, its cross-linked hyaluronic acid provides a barrier matrix that promotes epithelial cell migration and ultimately faster healing." - **Dr. Patricia E. Mundy, VetMB MRCVS MA(hons:) DACVO**



"I routinely prescribe my canine and feline patients with topical cross-linked hyaluronic acid (Ocunovis / Oculenis) to lubricate & soothe the ocular surface, reduce tear film instability from dry eye disease, corneal ulceration, viral/bacterial infections, and more. The cross-linked technology behind these lubricants is remarkable, benefiting our patients care by improving precorneal contact time and the overall health of the ocular surface." - **Dr. Lionel Sebbag, DVM, PhD DACVO**



"It is a pleasure to improve patient care utilizing Ocunovis with cross-linked hyaluronic acid to improve corneal health in dogs and cats. Utilizing cross-linked hyaluronic acid improves corneal contact time and improves the overall ocular health and comfort of our patients. In addition, it is great to work with Sentrx and Domes Pharma as they truly have a passion to improve patient care." - **Dr. DJ Haeussler, DVM, MS, DACVO**

**VISIT [DOMESPHARMA.US ABOUT/LEADERSHIP-TEAM/](https://www.domespharma.us/about/leadership-team/) TO MEET
OUR INDUSTRY LEADING VETERINARY OPHTHALMOLOGY
SCIENTIFIC BOARD**