

# MANAGING DRY EYE DISEASE

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A PRACTICAL GUIDE FOR VETS



## TAKE A CLOSER LOOK AT PET OWNERS' PERCEPTIONS ON DRY EYE<sup>1</sup>

**56%**

thought  
Dry Eye was  
curable

**34%**

of owners have  
not heard of  
Dry Eye

Nearly a quarter

**23%**

of owners stated  
their pets suffer  
with Dry Eye

**9%**

of owners confirmed  
they are not aware of any  
potential complications of  
not treating Dry Eye  
in their pets



## DRY EYE DISEASE (DED)

The aetiology of DED is complex and results from a failure of one or more components of the tear film system, that is, the system responsible for production, distribution and drainage of the precorneal tear film.

The true prevalence of DED is hard to ascertain because of underdiagnosing. However, some risk factors have been clearly identified as connected to DED, and should be seen by GP vets as red flags prompting them to further investigate DED as a possible cause.

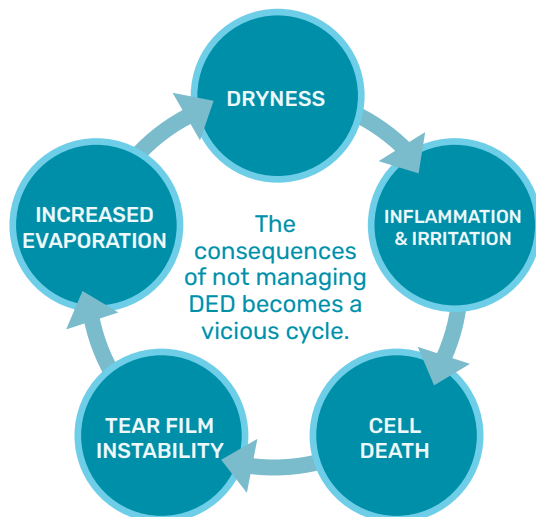
Those risk factors can be categorised as follows:

- **Breed** - Some breeds are more predisposed than others including brachycephalics
- **Age** - DED is often seen in patients over 5.5 years old
- **Systemic disease** - Metabolic diseases e.g. Diabetes mellitus can contribute to DED

## THE CONSEQUENCES OF DRY EYE DISEASE:

Once diagnosed, appropriate management and owner education is essential to maintain eye health. Ciclosporin and tear supplements should always be used as a 1st line treatment and ongoing management of dry eye disease.

Involvement of the owner is essential in the management of DED: teaching them good practices of eye cleaning and treatment administration is essential. Make sure they understand improvement can take several weeks, and treatment will often be life-long.



# THE BENEFITS OF REMEND® BIOHANCE™ DRY EYE LUBRICANT DROPS

## CROSS-LINKED HYALURONIC ACID

- Preservative Free
- 10ml droppers for chronic use
- 3 year unopen shelf life, 30 day open

## WHY CROSS-LINK?

- Enhanced corneal retention time
- **Up to 5x longer** than a linear HA<sup>2</sup>

## SHOWN TO RELIEVE THE SIGNS OF DRY EYES<sup>3</sup>

- With just **1 drop twice daily**
- Aids compliance

## BREAKING THE CYCLE OF DED: HYALURONIC ACID RELIEVES THE CONSEQUENCES OF DRY EYE.



# DED: QUICK REFERENCE GUIDE



## ASSESS TEAR QUALITY



### TEAR FILM BREAK UP TIME (TFBUT)



### EXPECTED VALUES

**Dog** 20 seconds  
**Cats** 17 seconds



## ASSESS TEAR QUANTITY

### SCHIRMER TEAR TEST (STT-1)

### EXPECTED VALUES

**Dog**  
**<5mm/min**  
(severe KCS)  
**>15mm/min**  
(normal)  
**5-15mm/min**  
(lower than normal, assess clinical signs)  
**Cats can have variable results**

## INITIAL MANAGEMENT

**1**

Topical ciclosporin  
(0.2%) ointment –  
twice daily

**2**

Ocular lubricant  
– hyaluronic acid  
e.g. **Remend®**  
**BioHance™ Dry**  
**Eye Lubricant**  
**Drops**

**3**

Topical antibiotics  
as required

**4**

Cleaning and  
flushing of the  
ocular surface and  
peri-ocular debris  
as required  
e.g. **Ocryl®**

Monitor regularly, and assess management on an ongoing basis.



## MORE INFORMATION

To help you maximise eye health in practice and to aid in the compliance and education of pet owners, Dômes Pharma provides a range of materials.

### **Vet focused materials**

- Dry Eye webinar mini series
- Dry Eye CPD case study
- Dry Eye Guideline

### **Pet owner materials**

- Dry Eye leaflet
- Waiting room poster
- Social media toolkit



*Scan to visit  
domespharma.co.uk  
for more information  
on Dry Eye*



1. 1000 pet owners surveyed. Conducted by 3 GEM on behalf of Dômes Pharma. 2024.
2. Grego, A.L., Fankhauser, A.D., Behan, E.K. et al. Comparative fluorophotometric evaluation of the ocular surface retention time of cross-linked and linear hyaluronic acid ocular eye drops on healthy dogs. Vet Res Commun 48, 4191–4199 (2024)
3. Williams, D.L. and Mann, B.K., 2013. A crosslinked HA based hydrogel ameliorates dry eye symptoms in dogs. International journal of biomaterials, 2013(1), p.460437.

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