

ANIMAL MATTERS: **Tips & Treatments**



**Michigan Veterinary
Specialistssm**

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OPHTHALMOLOGY

Expert:

**Raymond Morreale, DVM,
MS, DACVO
Board Certified in
Ophthalmology**

Dr. Morreale received his DVM from Michigan State University, his MS from Ohio State University and completed his internship with Michigan Veterinary Specialists. He completed his residency at Ohio State University and specializes in small animal, equine and exotic animal ophthalmic disorders. Dr. Morreale treats patients at both MVS' locations in Southfield and Auburn Hills as well as remote locations in Ann Arbor and Toledo. Equine patients are treated at the Oakland Equine Center in South Lyon. He also provides pro bono services to the Detroit Zoo's Animal Health Complex.

What systemic medications have ocular effects?

Currently, the three important medications that may have ocular side effects are sulfa antibiotics, Etogesic® (etodolac) and Baytril® (enrofloxacin).

How may pets be affected?

Sulfa antibiotics and Etogesic® can cause KCS. Pet owners should be advised to watch for a mucoid discharge while on these medications and to bring the pet in for testing if this occurs. The KCS is reversible only if caught early. Baytril® is associated with retinal degeneration in cats. Although this is a rare complication, some of the risk factors may include: large doses or plasma concentrations, rapid IV infusion, prolonged treatment course, age, prolonged exposure to UVA light while receiving the drug, drug interactions, and drug or metabolite accumulation from altered metabolism or reduced elimination. Stop the medication immediately if you see pupillary dilation as the condition may be reversible if caught early.

Questions?

Dr. Raymond Morreale is a full-time staff member at Michigan Veterinary Specialists. He is available for questions and consultations on ophthalmological conditions and is on-call for ophthalmological cases requiring emergency surgical intervention. Contact Dr. Morreale at (248) 354-6660.

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