

Feline Red Eye: At the Surface

Jessica Meekins, DVM, DACVO reviews surface causes of “red eye” in cats including feline herpesvirus-1, bacterial infections, and neoplastic conditions.

Speaker Bio:

Jessica Meekins, DVM, DACVO is an Associate Professor of Ophthalmology at Kansas State University. She received her undergraduate degree in biology before attending veterinary school at the Ohio State University. She then completed a one-year rotating internship at a private specialty hospital in Albuquerque, New Mexico before being accepted into the ophthalmology residency program at Purdue University. She became a board certified diplomate of the American College of Veterinary Ophthalmologists in 2012, and she has been on faculty at K-State for 9 years. Dr. Meekins’ clinical and research interests include management of viral surface ocular diseases in cats and comparative exotic animal ophthalmology. She is also interested in clinical teaching and the integration of competency-based veterinary education into instruction and assessment of students participating in clinical rotations.

Learning Objectives:

1. Distinguish between FHV-1, as the most common cause of surface ocular inflammation in cats, and other differential diagnoses on the basis of clinical exam findings
2. Recognize the indications for specific basic ocular diagnostic tests during the initial workup of a red eye
3. Recall, for each disease condition, when to recommend treating in-house vs. referring to a specialist
4. Manage client expectations regarding cost, prognosis, and outcome

Agenda:

- Clinically Relevant Anatomy & Physiology Review
- Basic Ocular Diagnostic Tests for a Red Eye
 - Fluorescein Staining
 - Intraocular Pressure
- Viral (Feline herpesvirus-1 [FHV-1]) Surface Ocular Disease
 - General Clinical Signs
 - Conjunctivitis
 - Diagnostics – Cytology
 - Corneal Disease
 - Ulcers
 - Non-ulcerative keratitis
 - Treatment Options
 - Antiviral therapy 101
 - Other medical therapies

- When to refer?
 - Setting Client Expectations
- Other Types of Conjunctivitis
 - Chlamydial Conjunctivitis
 - Mycoplasmal Conjunctivitis
 - Adnexal Histoplasmosis
 - Eosinophilic Conjunctivitis
 - Lipogranulomatous Conjunctivitis
 - Conjunctival Lymphoma
 - Conjunctival Squamous Cell Carcinoma (SCC)
 - Conjunctival Mast Cell Tumor (MCT)
 - Causes
 - Clinical signs/appearance
 - Treatments
 - What can be handled in-house vs. when to refer
 - Setting client expectations
- Summary/My Approach