Case 50: SP13-9605

Dodd Sledge, DVM, PhD, DACVP

Diagnostic Center for Population and Animal Health, Michigan State University

Permission granted only for viewing on SEVPAC website
Clinical History

• 12-year-old, spayed female Persian cat
• 2-week history of change in cornea OD
  – Initial cloudiness
  – Progressed to diffuse pink, fleshy appearance
• No other signs
• Enucleation was elected
Permission granted only for viewing on SEVPAC website
Permission granted only for viewing on SEVPAC website
Permission granted only for viewing on SEVPAC website
Diagnoses

• **Morphologic Diagnoses:**
  – Severe diffuse chronic eosinophilic, mastocytic, lymphoplasmacytic keratitis
  – Mild lymphocytic conjunctivitis
  – Mild lymphocytic anterior uveitis

• **Bottom Line**
  – Feline eosinophilic keratitis (eosinophilic-proliferative keratitis)
Feline Eosinophilic Keratitis

- Clinical diagnosis
- Pathogenesis Largely unclear
  - Herpes association?
- Negative *in situ* hybridization for feline herpesvirus
- No Toxoplasma antigen detected by IHC
- No infectious agents observed with Gram, PAS, and Giemsa
Questions?