Pseudotumor My Foot:
A Report of Feline Restrictive Orbital Myofibroblastic Sarcoma (FROMS)

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“Howdy”

- 13 yo MN DSH cat
- **Presenting Complaint**
  - Ocular discharge
  - Blepharospasm
  - Red eyes
- **Clinical findings (OS>OD)**
  - Conjunctival hyperemia
  - Reduced eyelid mobility
  - Trichiasis
  - Fixed position of globe
  - Corneal fibrosis and vascularization
“Howdy”

• **Ophthalmic exam**
  – Menace response: absent OS; limited OD
  – PLR: opaque cornea OS; direct and consensual + OD
  – STT: 9 mm/min OS; 7 mm/min OD
  – Fluorescein stain: + OS; - OD
  – Intraocular exam WNL

• **Diagnostic imaging offered**

• **Treatment**
  – Prednisolone 5 mg q 12 hr; Artificial tears OU q 8 hr

• **Surgery**
  – OS enucleated 2 months later
  – Artificial tears continued OD
Initial Pathology Report (OS)

Eyelid

3rd Eyelid
“Howdy”

- **Recheck exams (OD)**
  - Decreased blink
  - Lagophthalmos
  - Absent PLR
  - Corneal fibrosis and superficial vascularization
  - Corneal bulla
  - Facial swelling

- **Treatment**
  - Artificial tears q 8 hr; 5% sodium chloride q 12; Diclofenac q 12

- **Euthanized 5 months after initial presentation**
Gross Postmortem Findings
Gross Postmortem Findings

Right Eye
Histologic Postmortem Findings

Right eye
Histologic Postmortem Findings

Nasal Cavity and Maxilla
Histologic Postmortem Findings

Occipital mass
FROMS

- Progressive disease of orbit and adjacent connective tissue
- Clinical signs:
  - Restrictive mobility of eyelids
  - Restrictive mobility of globe
  - Ulcerative keratitis
  - Thickened eyelid
  - Reduced retropulsion
- Extension of disease to lips / oral and nasal cavity / contralateral eye
FROMS

- Historically called *feline orbital pseudotumor*
- Bland spindle cells and collagen deposition
- Often misinterpreted histologically
- IHC profile suggests myofibroblastic sarcoma
- Poorly responsive to treatment
- Unfavorable prognosis

(Bell et al. 2011)\(^1\)
References
