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Ophthalmic Emergencies

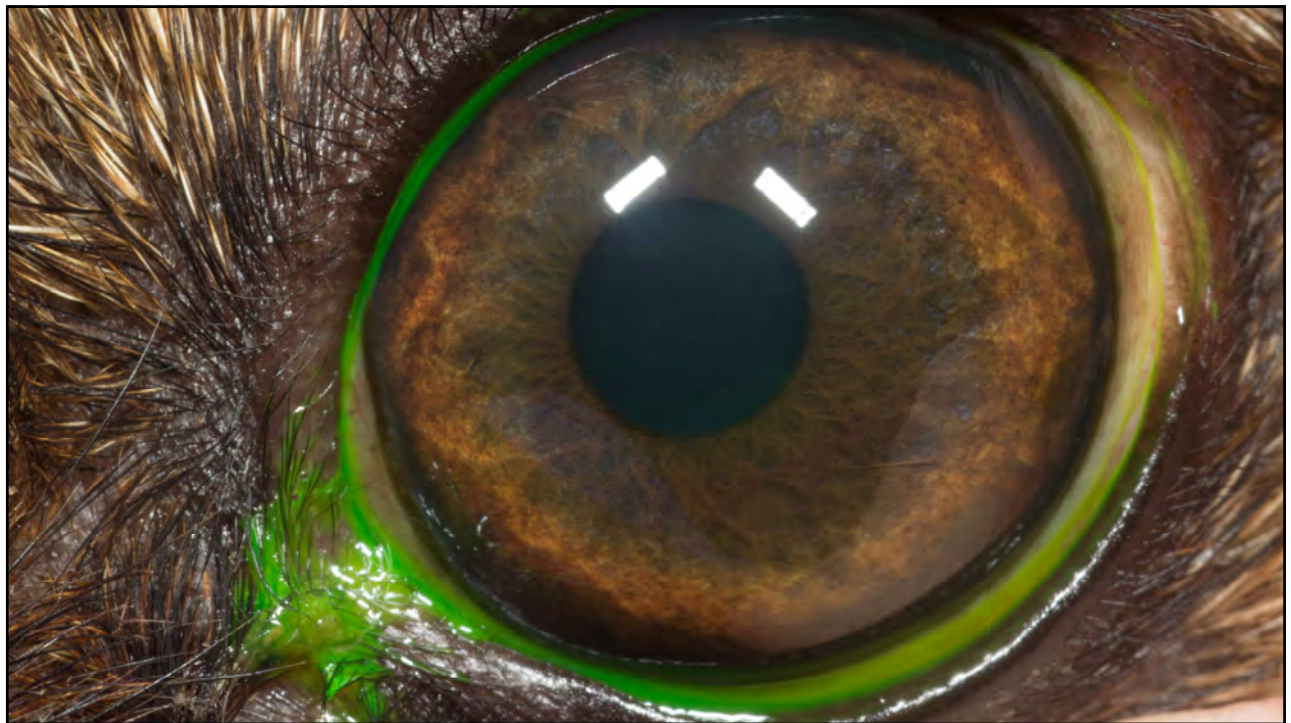


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Leeloo, 3 yo FS Yorkshire Terrier

- 1pm bitten by another dog
- rDVM referred without Rx
- Arrives UC Davis 3h 50min after incident
- Otherwise well





Leeloo, 3 yo FS Yorkshire Terrier

- Anisocoria (OD miotic)
- Direct pupillary light reflex (PLR) OD absent (miosis)
- Consensual PLR (OD to OS) brisk & complete
- Menace response present but incomplete
- No overt extraocular muscle (EOM) damage
- Cornea desiccated with adherent debris
- Anterior chamber formed; 2-3+ aqueous flare

Prognosis [Gilger et al]

POSITIVE

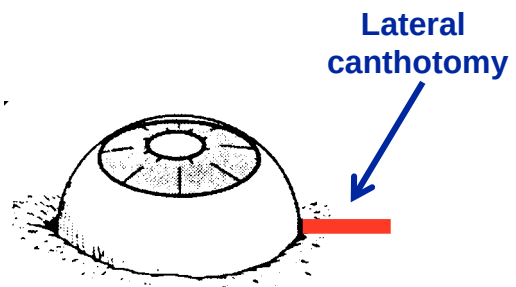
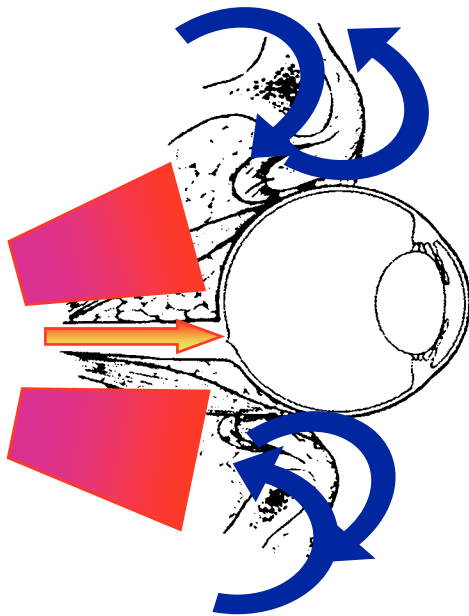
- PLR present (direct or consensual)
- Normal posterior segment
- Brachycephalic dog
- Vision present

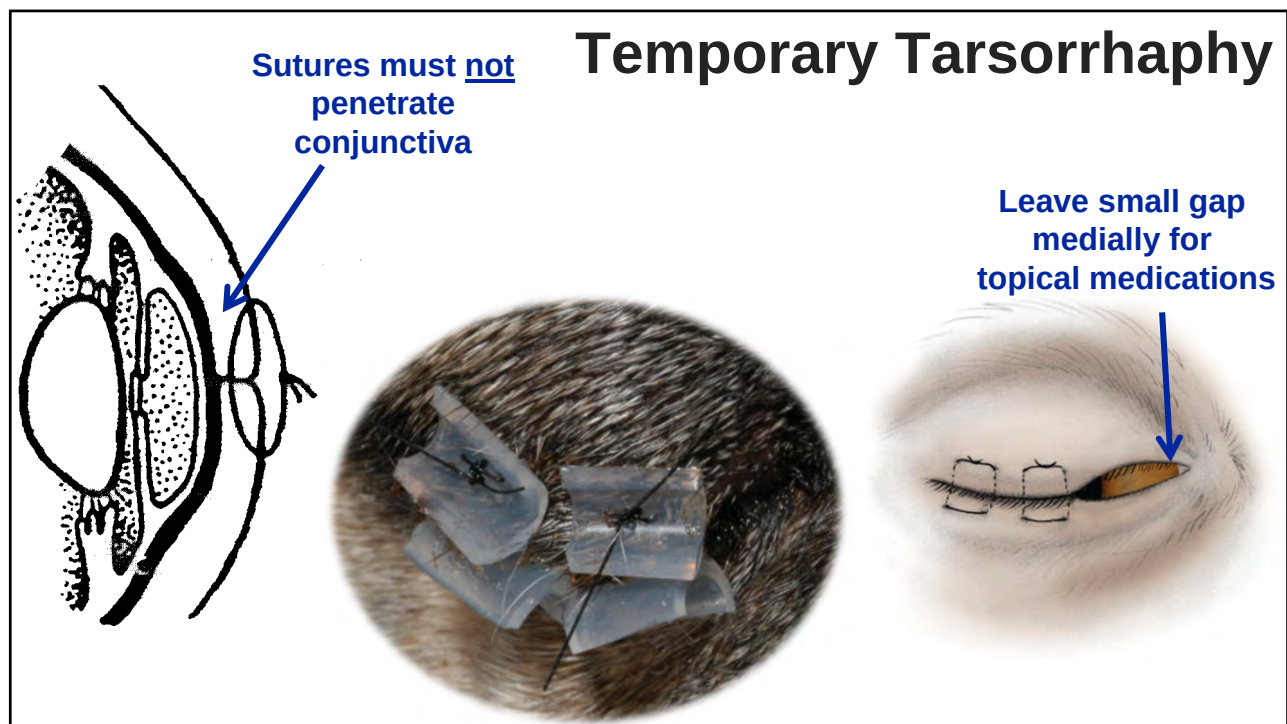


Prognosis [Gilger et al]

NEGATIVE

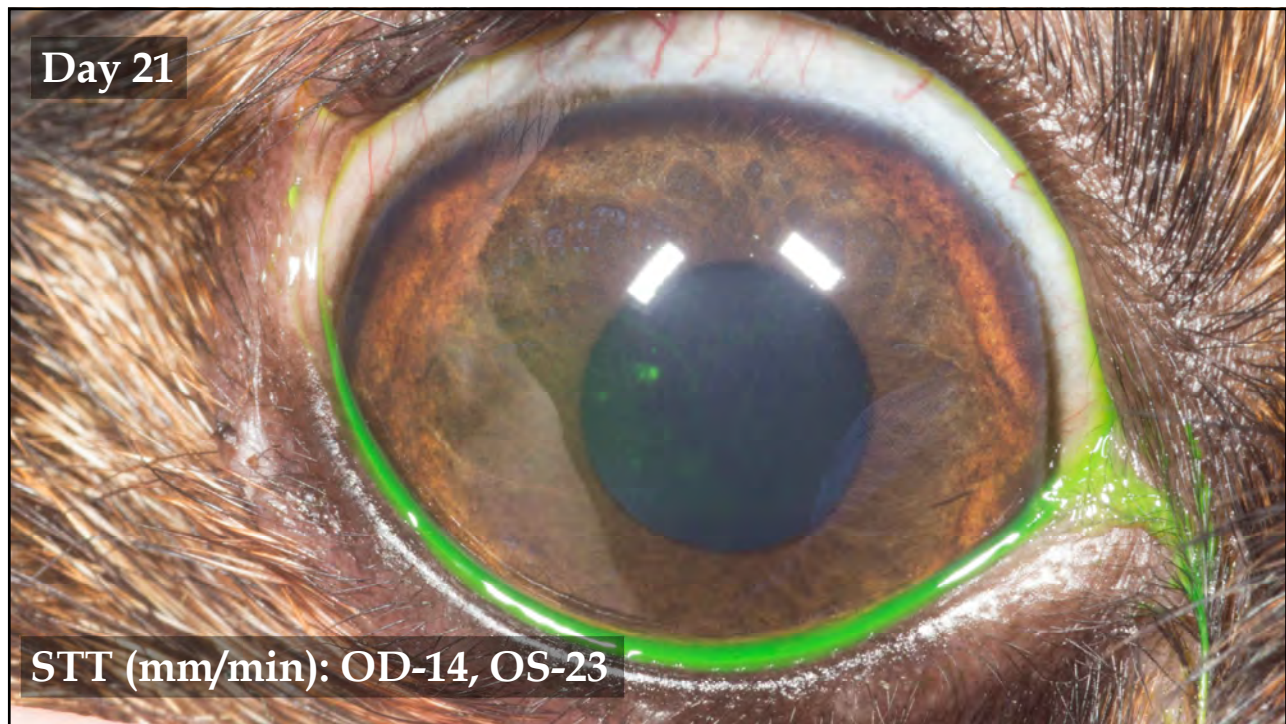
- Non-brachycephalic dog
- Cat
- Hyphema
- No visible pupil
- Facial fractures
- Optic nerve damage
- Avulsion ≥ 3 EOMs





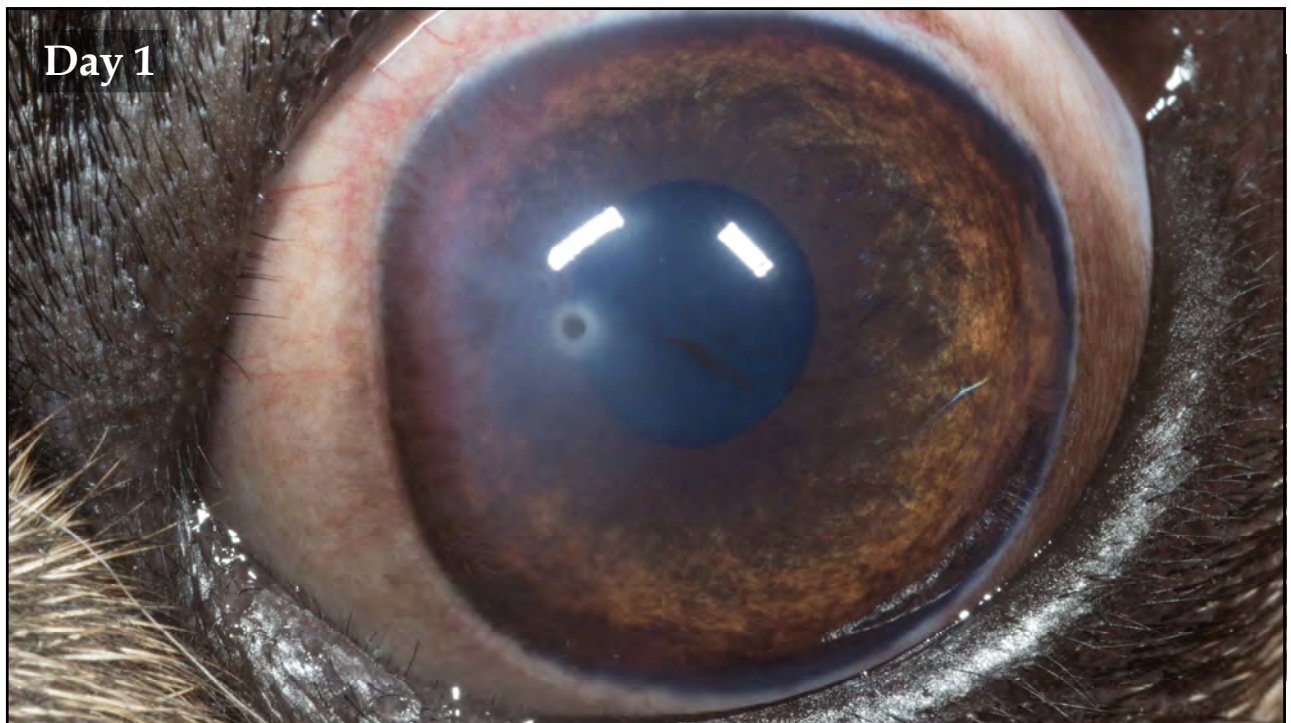
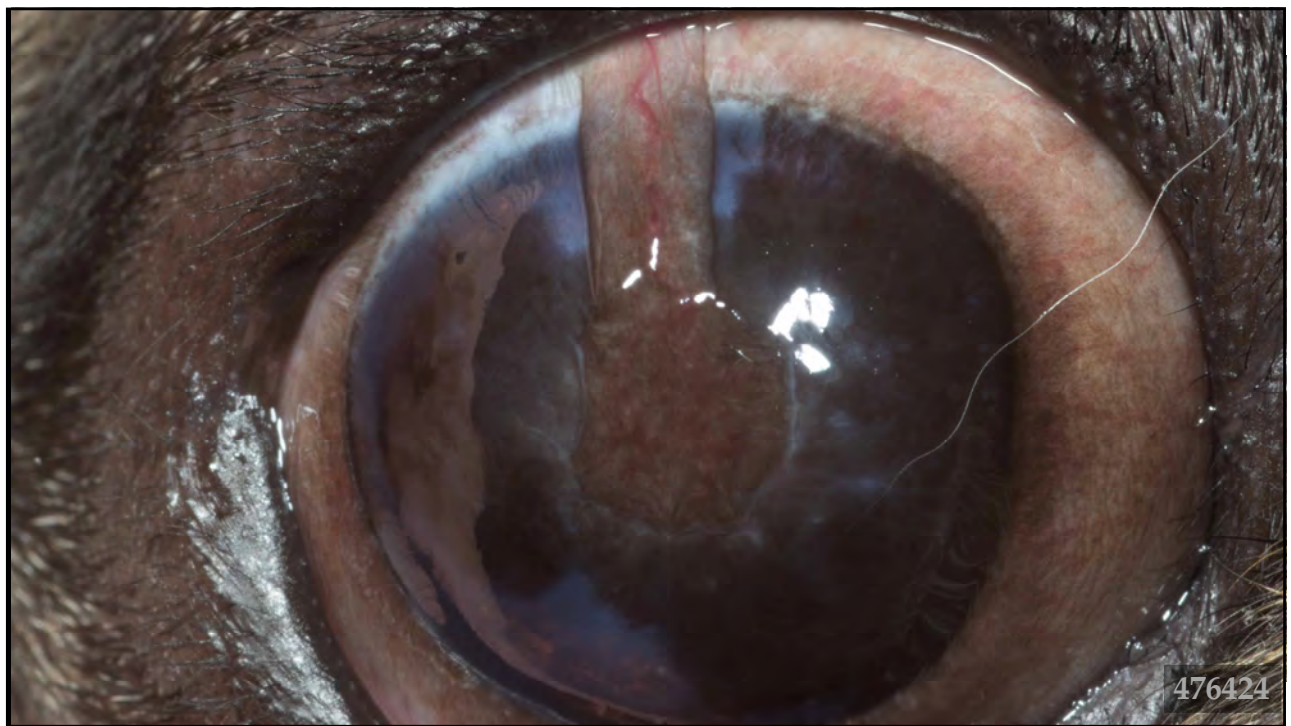
Leeloo, Medical Management

- Dexamethasone: 0.1 mg/kg once SQ
- Prednisone: 1 mg/kg PO q12h x 5d, q24h x 5d, q48h x 5d
- Clavulanate-Amoxicillin: 15 mg/kg PO q12h x 10d
- Neomycin-Polymyxin-Bacitracin ointment: q6h
- Tramadol: 3 mg/kg PO q8-12h
- Atropine ointment: q12h x 3d, q 24h till recheck
- E collar



Bacon, MC Pug; 6 mths

- Owners away on vacation 5 days
- Returned to cloudy cornea OS
- Last vacation (3 month ago) perforated OD
- Conjunctival graft OD
- Cyclosporine 0.2% OU q12h





Corneal Cytology

- Topical anaesthetic, gynaecologic/interdental brushes

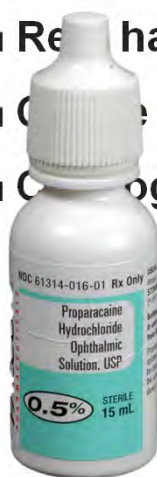
- Rest hand on patient

- Corneal rolling action

- Corneal cytology

- Use (Diff Quik stain)

- Wash out



Bacon: Initial Treatment

- Ofloxacin 1 drop OS q2h
- Neomycin-polymyxin-bacitracin 1 drop OS q2h
- Serum 1 drop OS q2h
- Atropine 1 drop OS q48h
- Carprofen 2.5mg/kg PO q12h
- E collar always
- Recheck 2 days



Serum Guidelines

- Harvest using sterile technique
- Autologous or heterologous
- Choose appropriate donors
- Freeze (Discard after 6 months)
- Refrigerate (Discard after 7 days)



The Medi-dose group (www.medi-dose.com) 1-800-523-8966

