







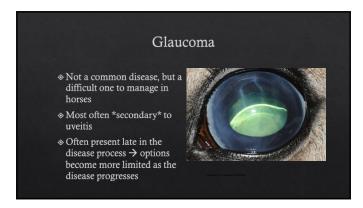


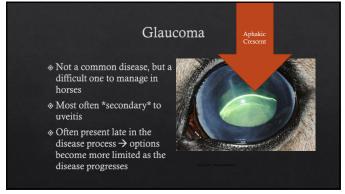


Have a systematic way to approach ERs/unknown eye issues ♦ Visual & neurologic ♦ Ocular exam assessment ♦Periocular area/
symmetry evaluation ♦ Navigation /behavior \diamond PLR, dazzle, palpebral reflex, and menace response ♦Conjunctiva and cornea ♦ Ocular diagnostics ♦Anterior chamber ⊗Lens ♦ IOP ♦Vitreous ♦ Fluorescein stain ♦Fundus

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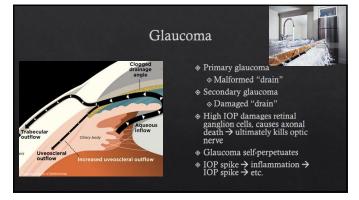


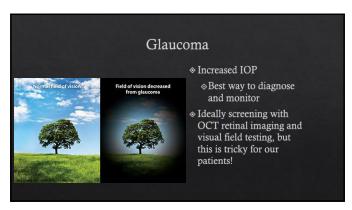


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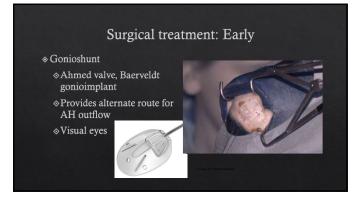














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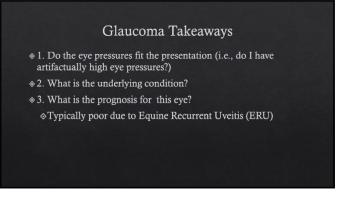


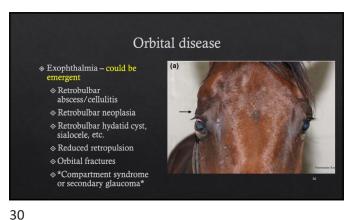




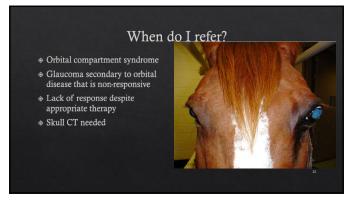


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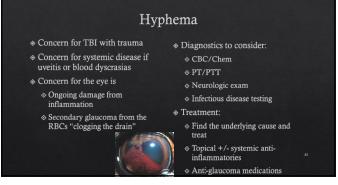




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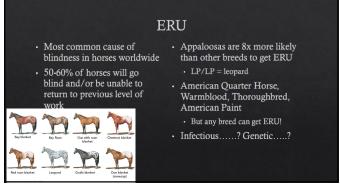


Uveitis Big questions to answer: Could be emergent ♦ Systemic causes are common and can be deadly ♦ Red iris ♦ Small pupil What is the patient's visual status? ♦ What is the patient's IOP? ♦ Low IOP (10 mmHg or below) A "normal" IOP may be abnormal for this patient Hypopyon (white blood cells in the anterior chamber) Hyphema (blood in the anterior chamber) Fibrin (inflammatory debris in the anterior chamber)

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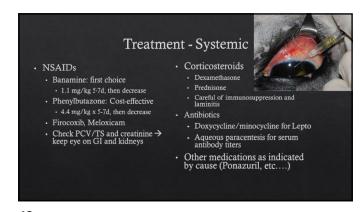




Uveitis treatment The main mistake people make = not being aggressive enough with Once chronic changes occur, these are difficult to overcome

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Treatment — Topical • Atropine: q8lt- 24h • Mydriasis • Stabilization of B.O.B. • Ciliary body paralysis • Decrease frequency once you achieve mydriasis • Monitor fecal output • Corticosteroids: q4lt-12h • Prednisolone acetate • Be aggressive with frequency at first! • NO corneal ulcers - Atropine: q8lt- 24h • Bromfenac, diclofenac, ketorolac.... • Not as powerful as steroids in acute uveitis • Good maintenance medication • Use if a corneal ulcer is present • Immunomodulators • Cyclosporine • Tacrolimus • Maintenance medications

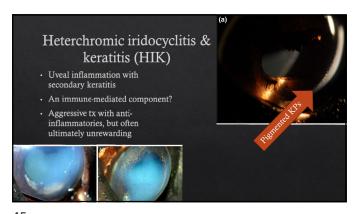


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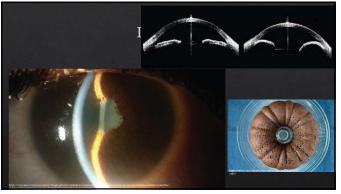


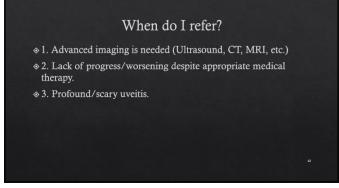


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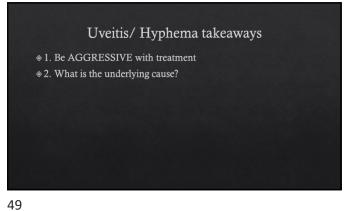


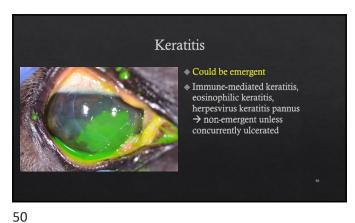


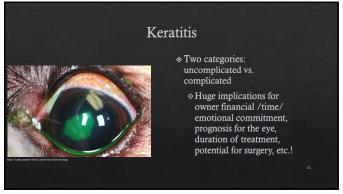


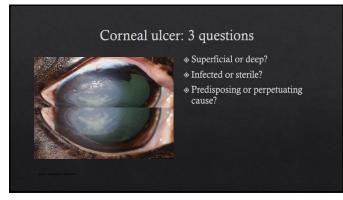


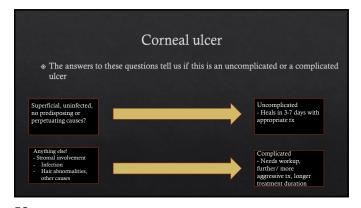
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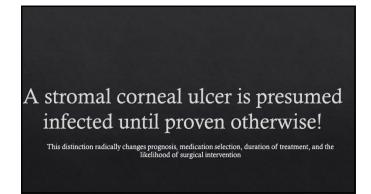


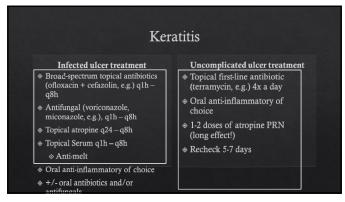




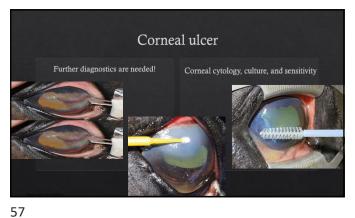








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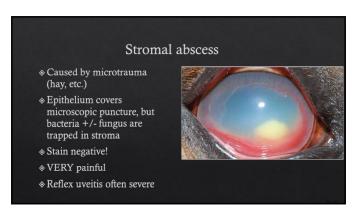


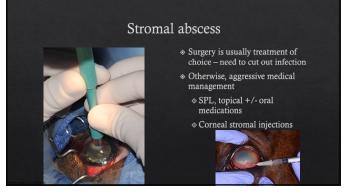


Corneal ulcer takeaways ♦ 1. A stromal ulcer is considered infected until proven otherwise. ♦ Never debride a stromal ulcer! ♦ 2. Answer your three questions: ♦ Superficial or deep? ♦ Infected or sterile? $\diamond \ Predisposing \ or \ perpetuation \ factors?$ 3. If the ulcer is not healing, don't change antimicrobials without cause (informed based on culture/sensitivity/cytology).

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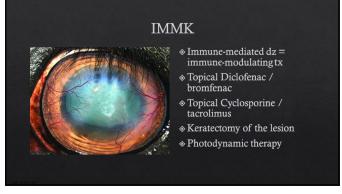




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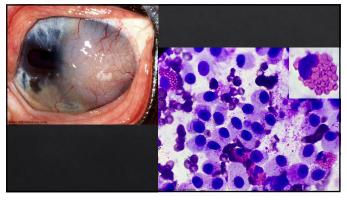


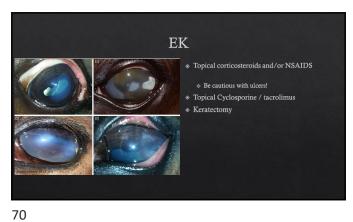




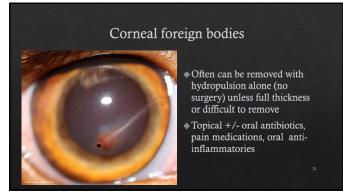


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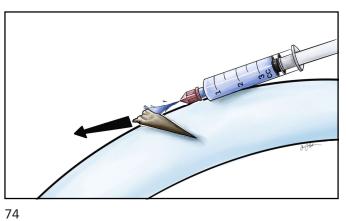




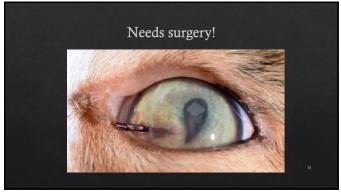
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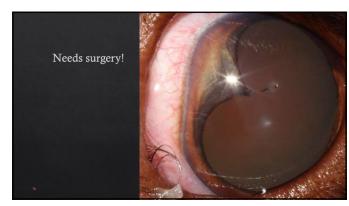
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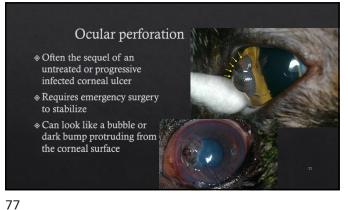


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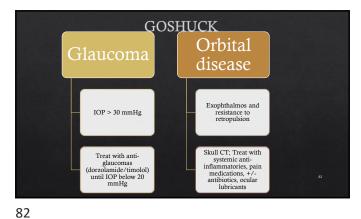
Foreign body/ perforation takeaways ♦ 1. A corneal foreign body has a ~50% change of being fullthickness (in dogs). ♦Refer if possible, can attempt hydropulsion if you're sure it's not full-thickness ♦ 2. A perforated eye is a surgical emergency \diamond Refer if possible, can attempt medical therapy otherwise.

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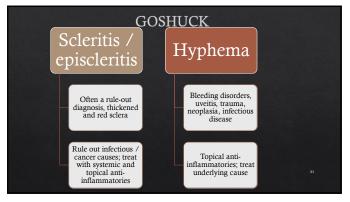
Overall takeaways ♦ Eyeballs can be weird, and we are here to help!!! © ♦ Have a systematic way to approach ocular emergencies ♦ Start with thorough ophthalmic exam and STT, IOP, fluorescein staining (EXCEPT if a deep corneal ulcer or perforation → \diamond Take photos! ♦ Eyeballs are also amazing and worth the time to investigate less is more) ♦ Remember that ocular diseases often indicate systemic causes

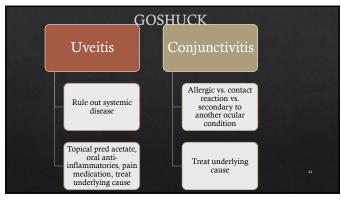
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