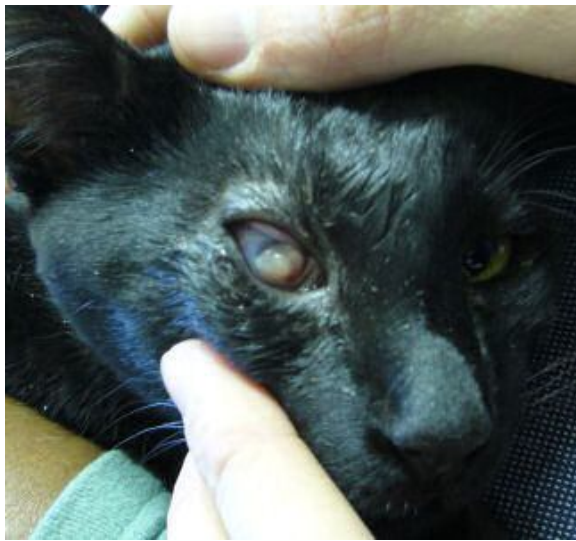


# Case study: Perforated corneal ulcer

- Patient:** 1 year old, female cat presented with a chronic melting corneal ulcer which has perforated that morning despite treatment with Ofloxacin eye drops.
- Treatment:** The prognosis was poor and enucleation was advised. The owner, not keen on having the eye removed, wanted the veterinarian to try and save the eye. Phototherapy was done once a day, for 3 minutes. The cat was kept on Ofloxacin ophthalmic eye drops and Temgesic was given as an analgesic.
- Outcome:** Due to the perforation of the cornea, aqueous humour was lost with resultant microphthalmia. 2 Days after the start of phototherapy granulation tissue filled the defect on the cornea. Slowly the eye filled with aqueous humour, the granulation tissue on the cornea lessened, and within 2 weeks the eye had healed completely. No other cortisone treatment was used to help clear up the granulation tissue on the cornea. No surgery was ever needed and the cornea healed with no scar tissue formation. The owner was very pleased.



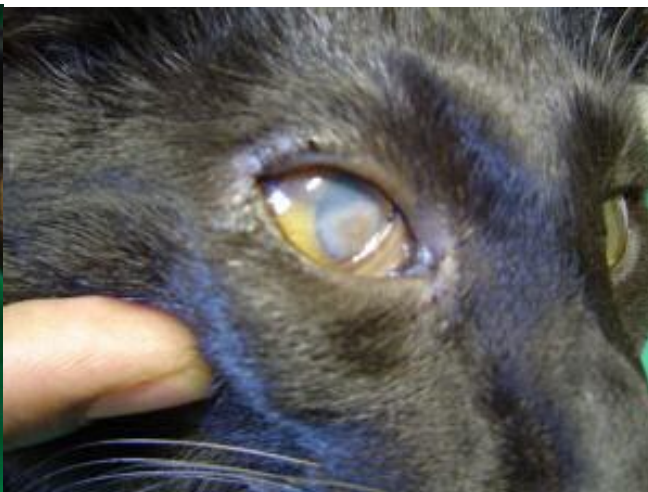
**Presenting eye with perforated corneal lesion.  
Note the loss of intraocular pressure  
Microphthalmia and loss of aqueous humour**



**2 Days after the start of phototherapy  
Note the granulation tissue on the cornea**



**1 Week after the start of phototherapy  
Granulation tissue lessening**



**12 Days after the start of phototherapy  
Cornea healed, no inflammation present, slight corneal  
edema present**



**2 Weeks after the start of phototherapy**



**Note that both eyes are similar in size again**