



## SURGICAL REPAIR OF UPPER EYELID LACERATION IN A HORSE

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### INTRODUCTION

Upper eyelid damage is more significant in horses because the upper lid moves 75% more on the equine cornea than does the lower eyelid (Brooks 2002). Eye Lid trauma needs to be corrected early and accurately as possible to prevent undesirable lid scarring and secondary corneal desiccation and ulceration.

### HISTORY AND CLINICAL EXAMINATION

A three-year-old horse was presented to equine hospital with the history of fall and injury around the orbit and clinical examination revealed a lacerated eyelid with an injury in the periorbital area. (Fig 1)



Fig 1. Lacerated upper eyelid

### RESULT AND DISCUSSION

Horse was anaesthetised using xylazine (@0.5mg/kg body wt i/v (Ilium xyazil-100, Troy labs) and ketamine @2mg/kg body wt i/v (ketamil, Troy labs) and the wound and eyelid margin was aseptically prepared for surgery. The laceration was closed in two layers and the first layer of sutures were placed midway between conjunctiva, eyelid stroma and eyelid margin in a simple interrupted pattern using 4-0 polyglactin- 910. The closure of the laceration was accomplished with the sutures commencing from the eyelid margin. The second

layer was sutured a close to the lid margin as possible with 3-0 polypropylene. Simultaneously the periorbital area was sutured with stainless steel staples. (Fig2)



Fig 2. Upper eyelid after Suturing

Postoperatively Neosporin ophthalmic ointment was applied thrice daily and tetanus prophylaxis was confirmed. The sutures were removed on 12th postoperative day and the wound healed uneventfully.

Eyelid lacerations are frequently encountered injuries involving mainly the lower eyelid and the incidence of upper eyelid laceration is not common. Any abnormality in the function of the upper and lower eyelids predisposes the globe to secondary diseases due to loss of the lipid part of the tear film, uneven distribution of tear and excessive exposure of the globe to UV light, which is provided by the eyelids (Brooks 1999,2002,2007,2008; Gilger 2005). If let untreated or amputating the eyelid flaps would end in complications like chronic conjunctivitis, exposure keratitis, recurrent corneal abrasions, trichiasis and cicatrical entropion or

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ectropion. (Rebuhn 1980,1994,1999; Thomas miller 1999).

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## INFOMANIA

1. The cross between a muscovy and common duck is called  
a. Mulard b. keets c. greylag d. swangoose
2. This is one of the worlds smallest pigs.It is highly endangered ,seen now more in Manas National park,Assam.Identify.  
a. Pigmy hog b. Criollo c. Black hairless d. Kunekune
3. This is the newborn of rabbit or even its embryo.During 600 AD, the Pope declared that it is not a meat .Thereafter began its consumption in monasteries during periods of fasting and soon the domestication of the species.What was the delicacy named.  
a. Laurices b. nuggets c. sizzler d. bunnies
4. Its scientific name is Bos javanicus, a small southeast asian bovine ,but a different species from cattle.Its disease resistance and adaptation skills are more than those of cattle. Whats its common name,  
a. Banteng b. Madura c. Tibetan dwarf d. Dexter
5. Ebola, Marburg, Lassa, Machupo viruses- what is not true for all of them  
a. Viral haemorrhagic fevers b. viral threat agents associated with animals c. Category A bioterrorism agents d.Zoonotic
6. Pinkies/fuzzies/crawlers/hoppers are different stages/ages of a rodent used as pet /reptile food in many countries. Which rodent.  
a. Capybara b. Mice c. Rat d. bandicoot.
7. Three new dog breeds have been added to the list of recognized breeds of American Kennel Club.They are Finnish laphhund, English Coonhound and ?  
a. Cesky terrier b. Dorgi c. Teddy bear goldendoodles d. Leonberger
8. Who was Sun Yan Set  
a. Chinese communist leader b. Nobel peace price winner c. A Pekinese dog who survived the Titanic disaster d. A Pomeranian dog which survived the Titanic disaster
9. From which country, the Greyhounds come  
a. Egypt b. Germany c. Congo d. China
10. What was the name of Adolf Hitler's female German Shepherd dog. On his last day, the cyanide capsules were tested on this dog.  
a. Blondi b. Rumphael c. Boyitt d. Paula
11. What is Cynophobia  
a. Fear of colours b. Fear of blue colour c. Abnormal fear of dogs d. Fear of red colour
12. La Perm, Munchskin, Chartreux, Maine Coon what is there in common for the four  
a. Extinct breeds of cat b. Existing breeds of cat c. Places in France d. Breeds of cows