



## Treatment of conjunctivitis with Kflox and Dexamethazone in cattle

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**Abstract-** Conjunctivitis leads to inflammation of the conjunctival mucous membrane in which both bulbar and palpebral mucosa of the conjunctival sacs are affected. It may be bacterial, viral, parasitic, mycoplasmal or allergic conjunctivitis (Gelatt, 1981). The article revealed successful treatment in 20 cases of conjunctivitis in cattle with Dexamethazone and Enrofloxacin (Kflox)\*

### Case Report

A case was reported by the farmers of village Lodhratari, a remote and rural village of Bengabad block in Giridih district of Jharkhand that their cattle were suffering from eye infections. In studied area 2-3 animals were found complete blindness due to lack of treatment and rest were showing bilateral conjunctivitis with redness and swelling of mucosa and ocular discharge ranging from serous to mucopurulent. The conjunctival sacs were shown white deposition like aril part of Litchi. Most of the affected animals were found dull and depressed with rise in body temperature, increased respiration, sneezing and profuse serous discharge from both the eyes.

### Result and Discussion

All the affected cattle were kept away from light sources and preferably transferred inside the shade. Sterile normal saline irrigation was done to each affected animal with parental use of Dexamethzone and Kflox injection @ 20 mg total dose and 5 mg per kg body weight, respectively daily for 3 days. The therapeutic efficacies of the applied drugs were assessed on the basis of clinical improvement of the cattle from conjunctivitis. Enrofloxacin and

Dexamethazone drugs were resulted in appreciable progress in respect to clinical recovery of eye lesions. Treatment of conjunctivitis in animals with systemic antibiotic and corticosteroid preparations have been reported by Radostits *et al.*, 2007 and also been proved very efficacious.

### Summary

Parental use of Dexamethzone and Kflox injection @ 20 mg total dose and 5 mg per kg body weight, respectively with good management for 3 days proved complete clinical improvement of the cattle from conjunctivitis.

### References

- [1] Gelatt K. N. (1981) *Veterinary Ophthalmology*. Lea and Febiger, Philadelphia, USA.
- [2] Radostits O.M., Gay C.C., Hinchcliff K.W. and Constable P.D. (2007) *Veterinary Medicine. A text book of the diseases of cattle, horses, sheep, pigs and goats*. 10<sup>th</sup> ed. Saunders Elsevier Publication, Philadelphia, USA.

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