

WELL LIFE COMPOUNDING PHARMACY

FELINE ANTIBACTERIAL

The following clinical study found that enrofloxacin has anti-haemobartonella felis effects – “Use of enrofloxacin for treatment of large-form Haemobartonella felis in experimentally infected cats” (J Am Vet Med Assoc. 2002 Jun 15;221(2):250-3).

OBJECTIVE: To compare treatment with enrofloxacin and doxycycline with no treatment in cats experimentally infected with Haemobartonella felis.

DESIGN: Prospective case-control study.

PROCEDURE: Cats were inoculated with large-form H. felis from a chronically infected donor. Cats were assigned to 1 or 4 treatment groups: doxycycline (5 mg/kg [2.3 mg/lb], po q 12 h), low-dose enrofloxacin (5 mg/kg po q 24 h), high-dose enrofloxacin (10 mg/kg [4.5 mg/lb] po q 24 h), and an untreated control group. Clinical signs, Hct, blood smears, and a polymerase chain reaction (PCR) assay were used to monitor progression of the infection.

RESULTS: All cats were confirmed to be infected with H. felis via blood smear evaluations and PCF assay results. Treatment had no effect on Hct during the intratreatment period but Hct values were significantly greater in the low-dose enrofloxacin group, compared with the control group, during the post treatment period. During the intratreatment period, H. felis organism counts per 1,000 RBC in the doxycycline treatment and the high-dose enrofloxacin treatment groups decreased at a significantly faster rate than those in the control group. In the post treatment period, organism counts in the doxycycline treatment group and the low- and high-dose enrofloxacin groups decreased at significantly faster rates than counts in the control group. There was no significant effect of treatment on the number of positive PCR assay results. Two cats treated with enrofloxacin and 1 cat treated with doxycycline completely cleared the H. felis organism despite presumed immunosuppression caused by glucocorticoids.

CONCLUSION AND CLINICAL RELEVANCE: Results support the hypothesis that enrofloxacin has anti-H. felis effects. PMID: 12118588

Example of how you might prescribe:

**Enrofloxacin 5mg/0.5ml
Flavored Oral Solution
60ml**

Give 5-10mg/kg PO QD