



KEY WORDS

- ✓ Cryptosporidiosis
- ✓ Buparvaquone
- ✓ Calves
- ✓ Diarrhea
- ✓ Paramomycin

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Evaluation Of The Efficacy Of Buparvaquone On Clinical And Blood Parameters In Calves With Cryptosporidiosis

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THESIS ABSTRACT

In this study, it was aimed to evaluate the efficacy of buparvaquone on clinical and blood parameters in calves naturally infected with *Cryptosporidium parvum*. The animal material used in the study (n: 20) was divided into two groups as buparvaquone intramuscularly administered 2,5 mg/kg (n: 10) and paromomycin 100 mg/kg per os administered group (n: 10). The first day of diarrhea was accepted as day 0. Stool and blood samples were taken on days 0, 3, 7, and clinical examinations were performed.

The number of oocysts, mental status and sucking reflex were 0-3 in the buparvaquone group compared to the paromomycin group ($p<0.05$). day and 0-7. while it is found meaningful in days; There was no significant difference between the two groups in terms of rectal temperature, respiration and pulsation frequencies. It has been determined that buparvaquone can be an alternative to other drugs used in the treatment of cryptosporidiosis in the field.

APPLICATION AREAS OF THE THESIS RESULTS

Cryptosporidiosis is one of the common zoonotic diseases in our country and in the world. Especially in cattle breeding, neonatal calf diarrhea is among the most important causes. It is thought that buparvaquone used in the treatment significantly reduces *C. parvum* oocysts, therefore it will contribute to the solution of the problem that causes the main contamination in the field and will form a scientific basis for new studies to be done in the future.

ACADEMIC ACTIVITIES