

## Prevalence of *Eimeria* spp in Cattle in Anatolia Region, Turkey

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**Abstract :** Bovine coccidiosis is a protozoan infection caused by coccidia parasites of the genus *Eimeria* which develops in the small and the large intestine. The aim of this study was to determine the prevalence of *Eimeria* spp. in cattle. This study was conducted between March 2014 and April 2015, involved 624 fecal samples of cattle. Cattle were grouped according to their age as follows: 6-12, 12-24 and >24 months. In a retrospective study from these faecal samples of cattle submitted to the University of Selcuk, Faculty of Veterinary Medicine, Laboratory of Parasitology were evaluated regarding the prevalence of *Eimeria* spp. In the laboratory, faecal samples were examined by Fulleborn saturated salt flotation technique and examined under a microscope for the presence of protozoan oocysts. *Eimeria* oocysts were found in 4.8% of all the samples. *Eimeria* infection was detected in 11.8%, 5.3% and 0.4% of the cattle in the age groups, respectively. This study showed that *Eimeria* infection was commonly seen in 6-24-month-old cattle. Further epidemiological investigation on economic significance and species composition of bovine coccidiosis needs to be pursued.

**Keywords :** cattle, diarrhea, *Eimeria* spp, Turkey

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