

Persistent effect of ivermectin against *Haemonchus contortus* in goats.

ABSTRACT

A study on the efficacy of ivermectin in goats and its persistent effect against *H. contortus* is presented. Eighteen goats naturally infected with *H. contortus* were used in the study. Ten goats were given a single sc injection of ivermectin at a dose rate of 200 micro g/kg, while the remaining 8 goats acted as untreated controls. Faecal samples were taken 2 days prior to treatment and for several days after treatment for up to 33 days. The ova counts of treated goats were reduced to zero 24 h after treatment. This ova count remained zero until day 29 post-treatment when only one goat had *H. contortus* ova in its faeces. The other treated goats did not show evidence of worm burden up to 33 days post-treatment.

Keyword: anthelmintics, drug therapy, helminths, ivermectin, livestock, parasites.