

Intestinal Parasites Detected by Fecal Examination in Cats in the Konya Province, Turkey

Authors : Nermin Isik, Ozlem Derinbay Ekici

Abstract : The cat is one of the potential hosts for parasitic zoonoses, such as *Toxocara cati*, *Ancylostoma braziliense*, *A. tubaeforme*, *Uncinaria stenocephala*, *Cryptosporidium* sp, *Giardia* sp. This study was performed to determine the prevalence and intensity of intestinal parasites in household cats in Konya, Turkey. In this study, a total of 100 stool samples with different ages and sex were used as a material. They were examined for infections with endoparasites by the use of native, Fulleborn flotation and Benedek sedimentation methods in University of Selcuk, Faculty of Veterinary Medicine, Department of Parasitology. The overall prevalence of intestinal parasites was 15%. A total of 6 parasite species was recorded: *Giardia* sp (6%), *Toxocara cati* (4%), *Isospora* sp (3%), *Joyeuxiella pasqualei*, *Taenia* sp (1%), *Trichuris* sp (1%). The most common intestinal parasites in cats were *Giardia* sp (6%) and *Toxocara cati* (4%). Younger cats up to 1 year of age were more frequently infected with endoparasites than animals over 1 year of age ($p < 0.05$). *Giardia* sp and *Toxocara cati* were detected significantly more often in younger than 1 year of age ($p < 0.05$). In fecal examination, *Toxocara cati*, *Ancylostoma* sp. *Joyeuxiella pasqualei*, *Dipylidium caninum*, *Trichuris* sp were found in cats in Turkey. In this study, based on microscopic and macroscopic fecal examinations, *Giardia* sp (6%), *Toxocara cati* (4%), *Isospora* sp (3%), *Joyeuxiella pasqualei* (%2), *Taenia* sp (1%), *Trichuris* sp (1%) was detected in cats. In conclusion, zoonotic intestinal parasites in household cats such as *Giardia* sp and *Toxocara cati* should be considered more seriously and it is necessary to take precautions against these infections. Cats should be routinely checked by faecal examination for endoparasite infections.

Keywords : cat, intestinal parasites, faecal, Turkey

Conference Title : ICAFBBE 2016 : International Conference on Agricultural Sciences, Food, Beverage and Bioprocess Engineering

Conference Location : Amsterdam, Netherlands

Conference Dates : May 12-13, 2016