

## Tinidazole in treatment of *Giardia duodenalis* infections in dogs

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In 2015 in Wrocław were observed in four dogs *Giardia duodenalis* infections, which cannot be cured nor fenbendazole or azithromycin with probiotics. In all cases the use of tinidazole with probiotics for 5 days in dose 50 mg/kg b.w. were effective.

Four dogs naturally infected with *G. duodenalis*. German Shepherd, male, age 18 weeks; Husky, female, age 16 weeks; Border Collie, male, age 27 weeks and French Bulldog, female, age 20 weeks. Faces of dogs were investigated with SNAP Giardia test for diagnosis and in 3rd day after treatment for control of therapy effectiveness. Dogs were treated with fenbendazole for 5 days in dose 50 mg/kg b.w., with azithromycin for 5 days, 1st day in dose 20 mg/kg b.w. and from 2nd to 5th day in dose 10 mg/kg b.w. and with tinidazole for 5 days, in dose 50 mg/kg b.w. During all therapies always the probiotics has been used.

In all cases therapy with fenbendazole and azithromycin was ineffective. Only the use of tinidazole was effective. There were no side effects of the drugs.

Tinidazole with probiotics administered in dose 50 mg/kg b.w. for 5 days is very effective against *Giardia duodenalis* infections in dogs.