

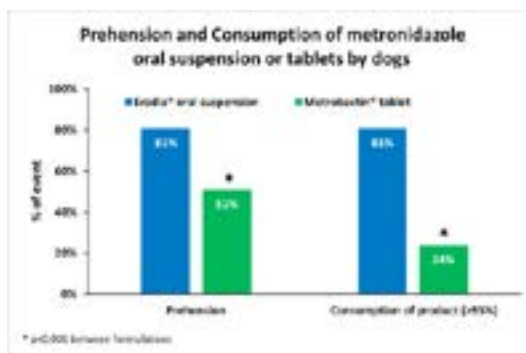
13th International Veterinary Congress

May 02-03, 2019 | London, UK

Acceptability of Metronidazole formulations by dogs: Comparison of an oral suspension (Eradia®) to tablets (Metrobactin®)

Nicolas CS and Navarro C
Virbac, France

Metronidazole is indicated in veterinary medicine to treat gastro-intestinal diseases caused by *Giardia* spp. or by anaerobic bacteria, such as *Clostridium* spp. The pharmaceutical form and acceptability is of great importance to allow good treatment compliance and increase the chance of recovery. The acceptability of a newly developed metronidazole oral suspension for dogs (Eradia® 125 mg/ml suspension, Virbac, France) was compared to the acceptability of oral tablets (Metrobactin® 500 mg, Dechra Veterinary Products, France) in medium size healthy dogs (10-20 kg, 20 dogs), in a cross-over study. Two groups of ten dogs tested randomly the tablets or oral suspension for 5 days before switching to the other formulation, with a 2-day wash-out period between administration periods. Each dog received 25 mg/kg of metronidazole, twice a day, according to the manufacturer's instructions. Therefore, each product was given a total of 200 times during the trial. The suspension was poured on the kibbles while the tablets were given as such. Dogs were observed at each administration for 10 min to check if they took and consumed the product. Product intake and consumption rates were compared using a Chi² test or Fischer's exact test. Spontaneous prehension of the product was observed significantly more often with the oral suspension than with the tablets [162/200 times (81%) versus 102/200 times (51%) - $p < 0.001$]. The consumption of more than 95% of product was also observed more often with Eradia® than with Metrobactin® [162/200 (81%) versus 48/200 (24%) - $p < 0.001$]. Therefore, the acceptability of a metronidazole treatment by dogs was better with Eradia® 125 mg/ml oral suspension than with Metrobactin® 500 mg tablets.



Recent Publications

1. Faure L, Fournel S, Nicolas C S and Rigaut D (2018) A field clinical study to confirm the efficacy and safety of a metronidazole-based oral suspension in dogs naturally infested by giardiasis: comparison to fenbendazole. Intern J Appl Res Vet Med 16(2):110-11.

christine.adam@virbac.com