



“The effect of a mixed cannabidiol and cannabidiolic acid-based oil on client-owned dogs with atopic dermatitis.””

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Comments:

1. Good study design with appropriate diagnosis of exclusion of canine atopic dermatitis.
2. Exclusion criteria was thorough to avoid any concurrent medications that may confuse perception of improvement.
3. PVAS was significantly decreased in the treatment group when compared to the placebo group and the PVAS was a significantly decreased from baseline at D14 in the treatment group. Thus, patients had improvement of clinical signs of pruritus in treatment group and this was a significant improvement in 2 weeks.
4. There was no change in lesions likely due to CBD affecting neurological pathways and not inflammatory cells. No change was seen in cytokine profiles with use; however, elevated ALP was seen in 3/17 cases and needs further evaluation.
5. Limitations: Small study population with 29 completing study- 17 on test article, 12 on placebo and cases were only followed for 1 month.

Take-home message:

1. CBD may be a good adjunctive treatment for canine atopic dermatitis as it has been shown in a small study to significantly improve pruritus scores when compared to placebo after 2 weeks and 4 weeks and a significant decrease in pruritus score from baseline was seen in the CBD group at day 14.
2. Due to small number of cases included and short duration of the study, further evaluation for possible liver enzyme elevations (3/17) needs to be done along with longer duration and larger populations to evaluate long-term efficacy of CBD in the management of canine atopic dermatitis.