

## Investigation of the efficacy and safety in a Korean herbal syrup for canine atopic dermatitis

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**Introduction:** Investigation of the efficacy and safety in a Korean herb syrup was performed in five clinical normal dogs and ten atopic dogs.

**Materials and methods:** Herbal syrup was administrated to dogs daily per oral for 4 weeks. To monitor for drug safety, a complete blood count, serum chemistry and urinalysis were repeated weekly. To evaluate the effect on atopic dermatitis, scores of erythema, pruritus, and general demeanor score were evaluated in atopic dogs by owner and veterinarian. In addition, biopsy and intradermal skin test (IDST) were performed to investigate the effect on allergic reactions of the skin at pre-treatment and post-treatment.

**Results:** There were not remarkable findings in blood work and urinalysis between before and after treatment in normal dogs and atopic dogs. In atopic dogs, clinical scores were reduced gradually for treatment period. However, results of IDST and mast cell count on histopathology were not influenced by herbal therapy.

**Clinical relevance:** In conclusion, Korean herbal syrup is safe and has adjunctive effect in canine atopic dermatitis.

**Keywords:** Allergy, atopic dermatitis, atopy, dog, herb, pruritus

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