

Efficacy of a phytosphingosine-concentrated sprayable gel with non-seasonal allergic pododermatitis

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OBJECTIVE

Evaluation of **DOUXO[®] Calm Gel** efficacy in privately-owned dogs with non-seasonal allergic pododermatitis.

MATERIALS AND METHODS

Prospective, non-controlled, unblinded, multicenter field study conducted in the USA.

INCLUSION CRITERIA

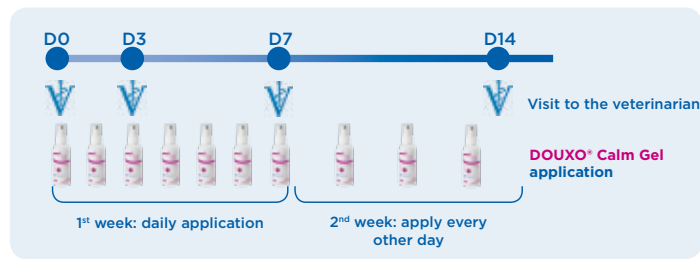
Diagnosis of non-seasonal allergic pododermatitis¹:

- Erythema: mild to moderate.
- Pruritus: mild to moderate.
- Could not be using: steroids, antihistamines, antibiotics, monoclonal antibodies.
- Other treatments: none allowed.
- Age: > 1 year.

INSTRUCTIONS

Application of **DOUXO[®] Calm Gel**

- Week 1: once daily, approximately same time of the day
- Week 2: every other day
- Instructions: Apply on interdigital skin to cover inflamed skin area



EFFICACY EVALUATION

Pedal pruritus using a pruritus visual analogue scale (PVAS)², interdigital erythema, overall assessment of the pododermatitis evolution, and owner satisfaction were assessed.

- Dogs were evaluated by veterinarians on days 0, 3, 7 and 14.
- Owners recorded daily observations in diaries.

REFERENCES:

¹ C. Favrot, J. Steffan, W. Seewald, F. Picco. A prospective study on the clinical features of chronic canine atopic dermatitis and its diagnosis. *Veterinary Dermatology*, 2010; 21, 23-31.

² PB. Hill, PJ. Lau, J. Rybnicek. Development of an owner-assessed scale to measure the severity of pruritus in dogs. *Veterinary Dermatology*, 2007; 18, 301-308.

SOURCE OF FUNDING: Ceva.

CONFLICT OF INTEREST: E. Ollivier, E. Wakem, and C. Johnson are employees of Ceva. N. Raymond is consultant for Ceva.

RESULTS

Ten dogs were included in the analysis. The product was well-tolerated by all subjects.

PRURITUS VISUAL ANALOGUE SCALE (PVAS)

PVAS significantly improved vs. day 0 at all timepoints.

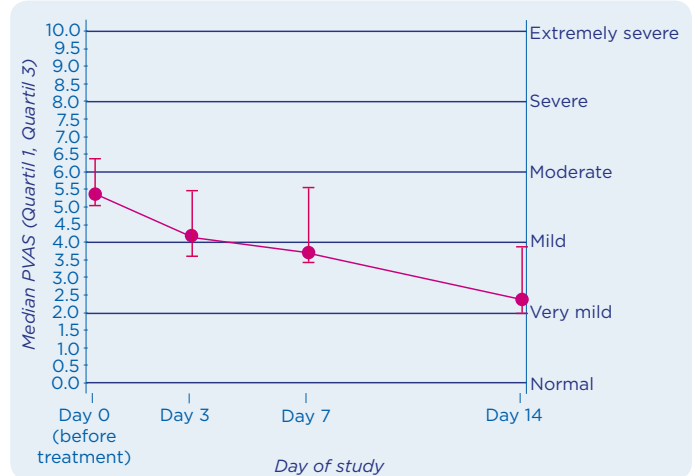


FIGURE 1: Evolution of the owner PVAS scoring. PVAS significantly improved throughout the study vs. day 0 (median PVAS score: 4.1, 3.6 and 2.4 on days 3, 7 and 14, respectively, vs. 5.4 at day 0; $P < 0.05$ at all timepoints vs. day 0; Wilcoxon signed-rank test).

ERYTHEMA

The significant improvement of pedal pruritus was associated with an improvement of interdigital erythema.



^A Before picture of a dog's paw suffering from allergic pododermatitis. Erythema and hair loss is observed.

^B Same paw after 2 weeks of DOUXO[®] Calm Gel application. The pruritus is controlled and there is less erythema. Hair has started to regrow.

FIGURE 2: Evolution of the visual aspect of the lesions after 2 weeks of DOUXO[®] Calm Gel application.

OVERALL IMPROVEMENT

90% of pet owners observed an overall improvement of their dog's pododermatitis.

PET OWNER SATISFACTION SCORE

The product was considered easy to use (100%), efficacious (90%), and improved their dog's quality of life (60%).

CONCLUSION

DOUXO[®] Calm Gel has been shown to quickly and effectively improve pruritus and erythema associated with allergic pododermatitis.

