

Compounding Ideas for Veterinary Patients with Atopic Dermatitis

Atopic dermatitis (AD) is an inflammatory, pruritic allergic skin disease characterized by a hypersensitivity reaction of the skin to causative agents found in the environment of the animal.¹ These “triggers,” or allergens, can be present in the air – in the case of dust and pollen – in food or in grooming products, similarly to the triggers that we find in human patients. Results from allergic reactions can lead to red, itchy, irritated skin that often further develops into open sores (hot spots and granulomas) and frequently progresses to infection.

Cost and manufacturer backorders can be major reasons why owners may not initiate or comply with the use of commonly prescribed medications. Barriers to oral administration, such as biting, clawing, scratching or hiding, can also be an issue with the administration of medications. Fortunately, compounding pharmacists can offer the option of formulating prescribed medications in various dosage forms and strengths.

PCCA has recently introduced ZoSil™, the compounding industry’s first topical gel base developed specifically for use in veterinary compounding. ZoSil’s proprietary Smart Diffusion Technology™ possesses a unique fatty-acid releasing mechanism to provide moisturization and help improve the appearance of red, flaky and irritated skin.

Below are some compounding ideas for veterinary patients who may benefit from compounded medications for dermatological conditions.

- Fixed Oil Oral Suspension – General Formula
A variety of active pharmaceutical ingredients can be added
- Cyclosporine 20% Oral Solution (Vet)
For cases where a more concentrated solution of cyclosporine is needed to aid administration
- Naltrexone HCl 1% Topical Gel (PCCA ZoSil) (Vet)
- Tranilast 1% Topical Gel (PCCA ZoSil) (Vet)
- Nystatin 100,000 U/Gm/Neomycin 2.5mg/Gm/
Bacitracin 400 U/Gm/Triamcinolone 1 mg/Gm
Topical Ointment (PCCA ZoSil) (Vet)
- Itraconazole 1% Topical Gel (PCCA ZoSil) (Vet)
- Gentamicin 1% Topical Gel (PCCA ZoSil) (Vet)
- Pramoxine HCl 1% Topical Gel (PCCA ZoSil) (Vet)
- Diphenhydramine HCl 2%/Tranilast 1% Topical
Gel (PCCA ZoSil) (Vet)
- Triamcinolone Acetonide 0.015% Topical Gel
(PCCA ZoSil) (Vet)
- Hydrocortisone 1% Topical Gel (PCCA ZoSil) (Vet)

For questions, please contact your compounding pharmacy.

The formulas and/or statements listed are provided for educational purposes only. They are compounding ideas that have commonly been requested by physicians, and have not been evaluated by the Food and Drug Administration. Formulas and/or material listed are not to be interpreted as a promise, guarantee or claim of therapeutic efficacy or safety. The information contained herein is not intended to replace or substitute for conventional medical care, or encourage its abandonment. Every patient is unique, and formulas should be adjusted to meet their individual needs.

References

1. Moriello, K. A. (n.d.). Overview of atopic dermatitis. *Merck Veterinary Manual*. Retrieved from <http://www.merckvetmanual.com/integumentary-system/atopic-dermatitis/overview-of-atopic-dermatitis>

