

Virbac

**The skin
remains intact**

**The immune system
remains untouched
& unthreatened.**

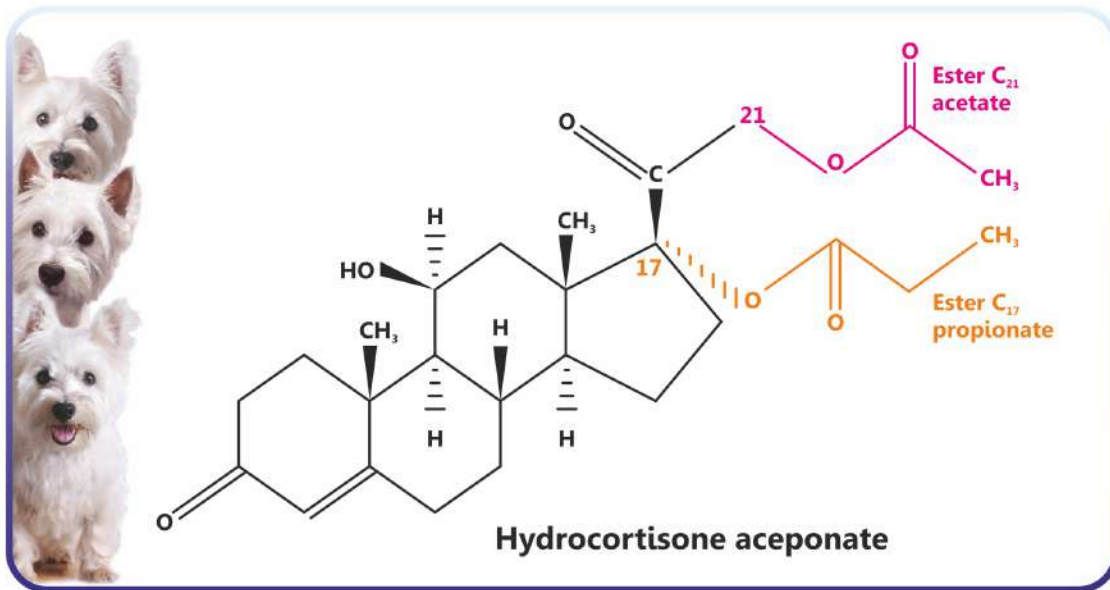
**The itching
disappears !!!**



Cortavance®

**Works on the skin...
not deep within !!**

HYDROCORTISONE ACEPONATE... A revolutionary steroid in Veterinary Dermatology



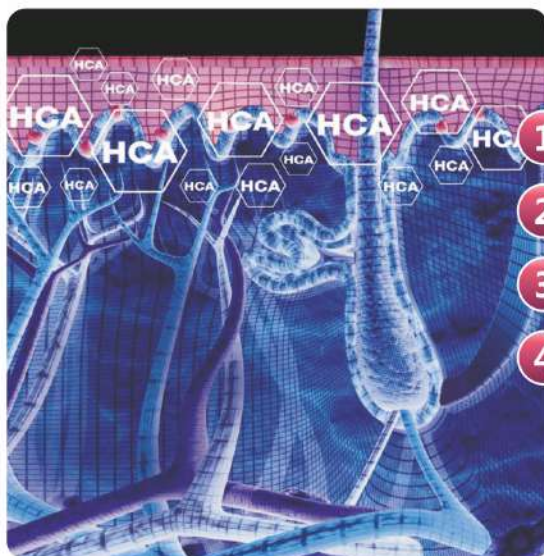
A di-ester of Hydrocortisone that makes all the difference!!

Lipophilic properties, affinity for the skin ➤ Rapid penetration in the skin

Reservoir effect in the skin ➤ Storage in superficial dermis

Specific biotransformation in the skin ➤ Enhanced efficacy without the side-effects associated with glucocorticosteroids

Specific biotransformation of HCA in the skin

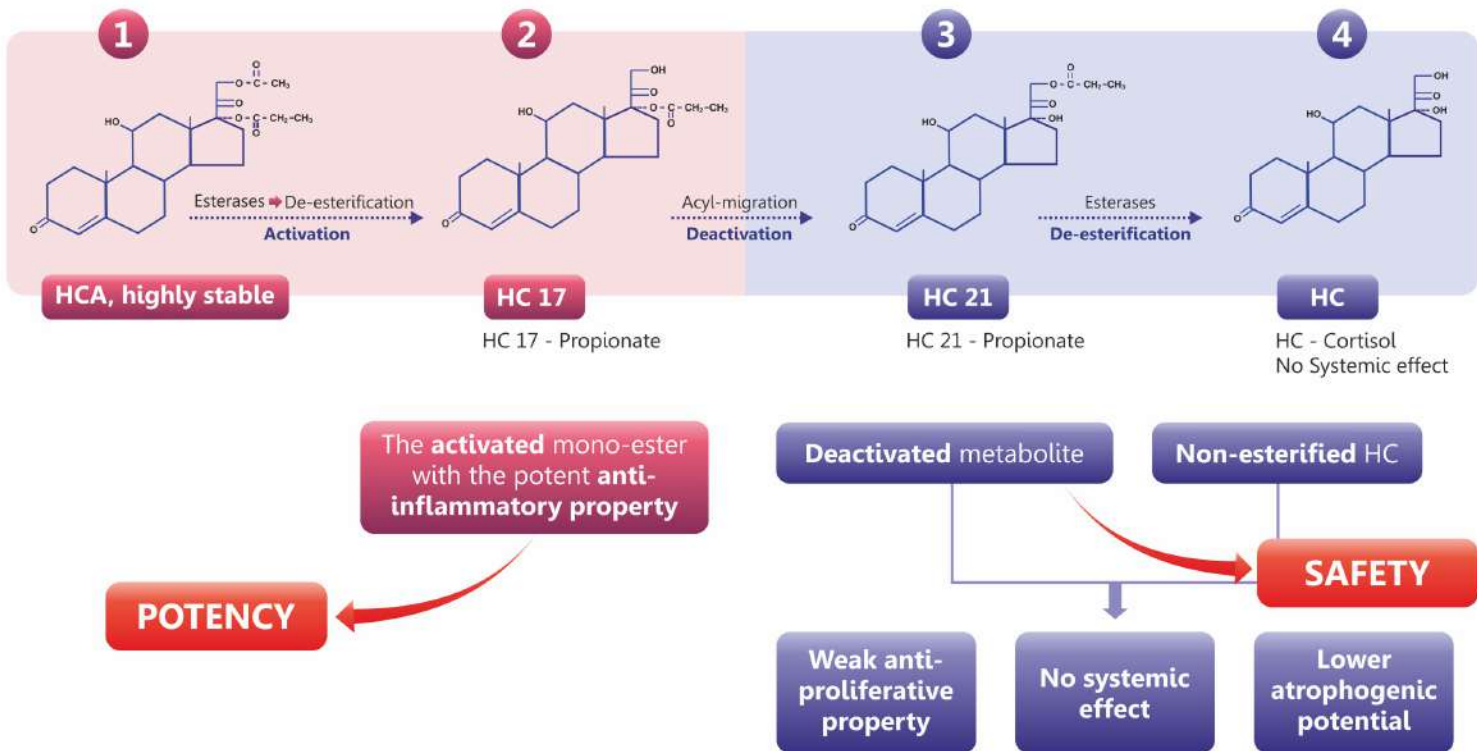


HYDROCORTISONE ACEPONATE 60x greater potency than Hydrocortisone...yet none of the side-effects of typical corticosteroids



GREATER POTENCY...

...WITH UNMATCHED SAFETY



Cortavance® has a high safety profile thanks to HCA*

Topical Steroid	Blood Absorption Level	Relative Skin Absorption Level	Relative Potency	Systemic Effects
Hydrocortisone Aceponate (HCA)	Non-systemic	Rapid	★★★★★	NEGLIGIBLE
Prednisolone	Systemic	Slow	★★	YES ★★★
Betamethasone	Systemic	Slow	★★★★★	YES ★★★★★
Hydrocortisone	Systemic	Slow	★	YES ★

(Relative potency based on control of inflammation & pruritus)



Tablets or injections
Systemic action
➤ adverse effects



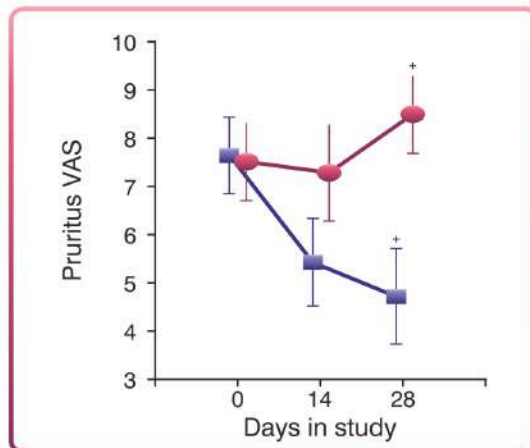
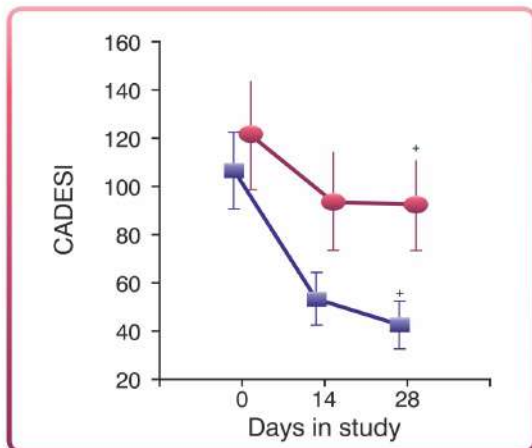
Cortavance® spray
Activity targeted at skin level
➤ minimized adverse effects

- The best benefit / risk ratio
- HIGH BENEFITS** ➤ 1- Anti-inflammatory potency
2- Cutaneous penetration
 - LOW RISKS** ➤ 3- No systemic impact
4- No cutaneous atrophy

Absence of abnormalities in haematological and biochemical parameters attributable to HCA after 70 days of treatment**

* Schafer-Korting M., Korting HC., Kerscher MJ., Lenhard S. Prednicarbate activity and benefit/risk ratio in relation to other topical glucocorticoids. Clinical Pharmacology & Therapeutics, 1993, 54(4): 448-456.
** Nuttal et al. Efficacy of a 0.0584% hydrocortisone aceponate spray in the management of canine atopic dermatitis: a randomised, double blind, placebo-controlled trial. ESVD and ACVD. 20; 191-198.

Cortavance® reduces CADESI and pruritus score by Day 7¹



CADESI: Canine Atopic Dermatitis Extent & Severity Index

29 dogs with Atopic Dermatitis

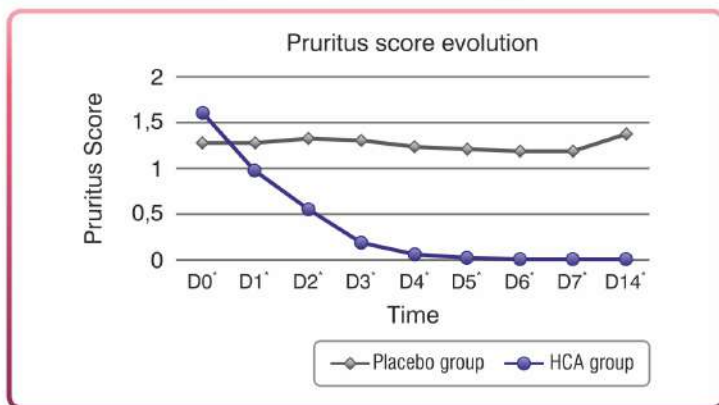
Treatment :

- Phase 1: HCA spray (15 dogs) or placebo (13 dogs) once daily for 28 days
- Phase 2: HCA spray (21 dogs) once daily, reduced to every other day or twice weekly over 42 days if improvement maintained

Significant higher reduction of CADESI (- 61.4% vs - 13.4%, P = 0.0069) and pruritus (-38.8% vs +57.6%, P = 0.0015) at D28 with HCA spray compared to placebo

- No abnormalities on haematology and biochemistry
- Pre and post ACTH cortisol levels within normal range throughout the study

Cortavance® spray, along with an initial parasiticide, rapidly improved the resolution of Flea Allergy Dermatitis in dogs.²



60 dogs with Flea Allergy Dermatitis

Treatment :

- 30 treated with saline, 30 with HCA for 7 days (+ selamectine on D0)
- On D7, a clinical remission 100% of HCA dogs, none in saline, (p < 0.05)
- On D7, pruritus scores reduction vs D0 = 100% (HCA) vs 2 % (saline)
- On D7, skin lesion score reduction = 72% in HCA, (further improvement until D14) vs 2% in saline

Cortavance® Examples of use in dogs

Pyotraumatic dermatitis



Pyotraumatic dermatitis in a shar-pei. Courtesy of Dr CL Méndez.



Flea allergic dermatitis (FAD)



Pyotraumatic dermatitis secondary to FAD. Courtesy of Dr P. Rodriguez.

Contact allergy



Localised chronic rash related to contact allergy in a chinese crested dog. Courtesy of Dr J. Fontaine.

Lick dermatitis



Acral lick dermatitis with underlying atopic dermatitis in a rottweiler. Courtesy of Dr B. Schnabl.

Perianal fistulae



Perianal fistulae in a german shepherd. Courtesy of Dr E. Guaguère.

Pododermatitis



Nodular pododermatitis in a bull terrier. Courtesy of Dr M. Bardagi.

Cutaneous lupus



Nasal cutaneous lupus in a german shepherd. Courtesy of Dr E. Guaguère.

Pemphigus foliaceus



Pemphigus foliaceus in a mongrel dog. Courtesy of Dr C. Vich Cordon.

Management of Atopic dermatitis



Pododermatitis in an english bulldog with atopic dermatitis. Courtesy of Dr I. Papadogiannakis.



Chronic atopic dermatitis with iatrogenic hyperadrenocorticism in a cocker. Courtesy of Dr A. Dalmau.



Cortavance® Application and Usage



WHERE

Directly on dog skin lesions



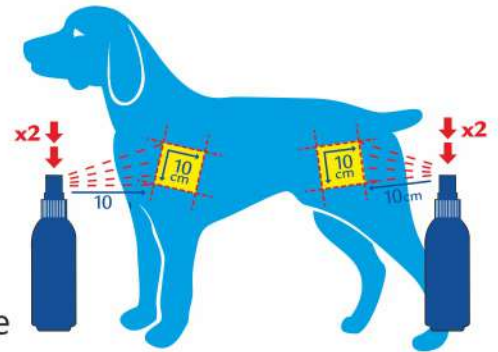
WHEN

Once daily



HOW MUCH

- 2 pump spray activations per square area of 10 cm x 10 cm
- Treating not more than 1/3 of the pet's total skin surface



HOW

10 cm away from the body surface (no massage required, cover eyes when spraying face)



HOW LONG

- Legal indication: 7 days
- HCA spray is safe and effective up to 70 days in the management of canine atopic dermatitis

Nuttal et al. Efficacy of a 0.0584% hydrocortisone aceponate spray in the management of canine atopic dermatitis: a randomised, double blind, placebo-controlled trial. ESVD and ACVD. 20; 191–198.



WHICH CONDITIONS

- To control inflammation and pruritus



PRECAUTIONS

- Not recommended in case of severe lesions and pyodermas
- Not recommended in pregnancy & lactation
- Best to avoid in young animals
- Best to avoid in cases of Cushing's Syndrome or diabetes



WHICH SPECIES

Dogs, Cats, Exotic pets (Rabbits, ferrets), Horses

