



Training session : back to basics Allergy, CAD & Management



Spring has arrived... Allergies have so...

Allergy = inappropriate or exaggerated response by the body's immune system to a substance that is typically harmless to most people/animal.

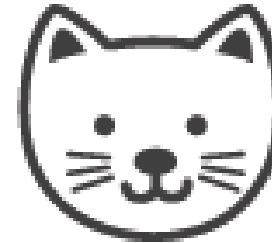
It accounts for **20%** of **veterinary visits** -> very common in pets.



Spring has arrived... Allergies have so...



In dogs, this condition is known as
Canine Atopic Dermatitis (CAD)



In cats, it is known as
Feline Atopic Syndrome (FAS).

What are the clinical signs ?

Scratching

Licking or chewing
their paws

Rubbing their
face

Recurrent ear
infections

Redness, hair
loss, crusts...

Definition (ICADA)

Canine Atopic Dermatitis (CAD) has been defined as a **genetically predisposed inflammatory and pruritic allergic skin disease with characteristic clinical features**. It is associated most commonly with IgE antibodies to environmental allergens.

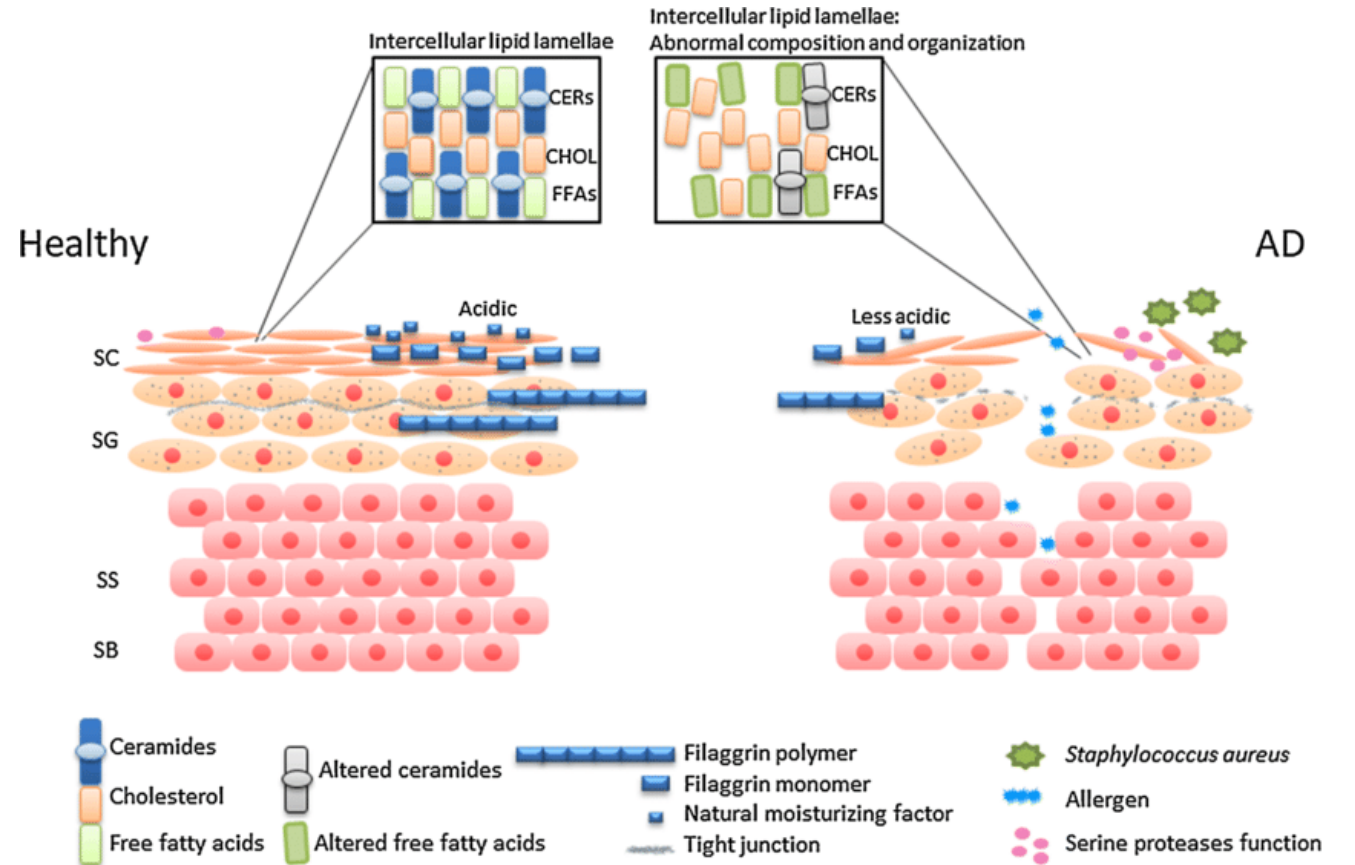
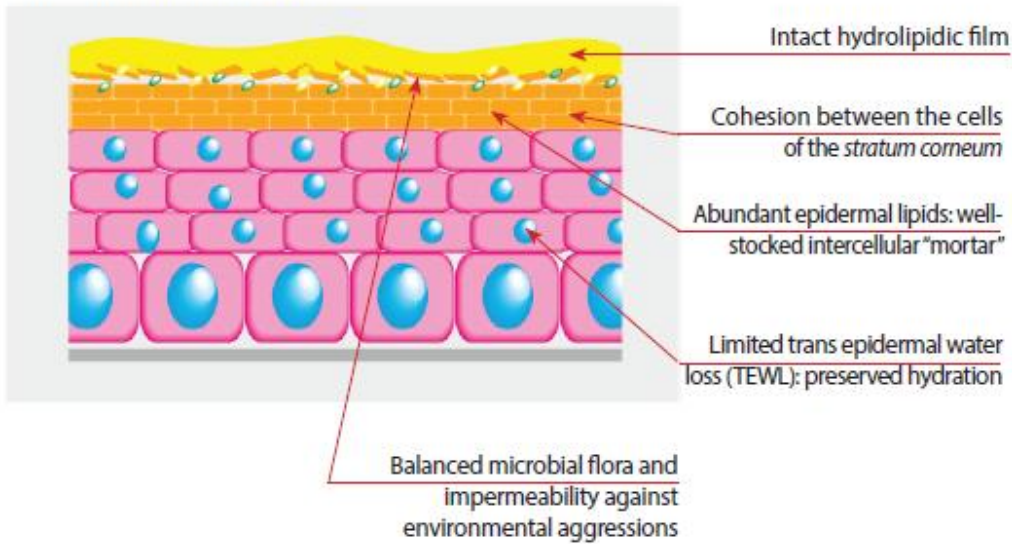
Pathogenesis

“The pathogenesis of CAD is incompletely understood, but is believed to involve complex interactions between genetic and environmental factors that lead to **epidermal barrier dysfunction, immune dysregulation, and dysbiosis** of the cutaneous microbiome.”

Outerbridge CA, *et al.* Adv Small Anim Care. 2021;2:101-115.

Skin barrier & Canine atopic dermatitis

A functional cutaneous barrier:



Kabashima et al, 2018



Skin barrier repair in humans with AD

- American and European guidelines -

[J Am Acad Dermatol](#). Author manuscript; available in PMC 2015 Jul 1.

Published in final edited form as:

[J Am Acad Dermatol](#). 2014 Jul; 71(1): 116–132.

Published online 2014 May 9. doi: [10.1016/j.jaad.2014.03.023](https://doi.org/10.1016/j.jaad.2014.03.023)

PMCID: PMC4326095

NIHMSID: NIHMS598590

GUIDELINES OF CARE FOR THE MANAGEMENT OF ATOPIC DERMATITIS

Part 2: Management and Treatment of Atopic Dermatitis with Topical Therapies

Numerous clinical studies demonstrate that emollients/moisturizers decrease pruritus, erythema, cracks, lichenification and more generally inflammation.

These products are considered as a cornerstone in the treatment of atopic dermatitis.

JEADV

Journal of The European Academy of Dermatology and Venereology

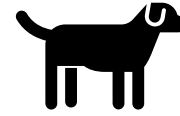
Consensus-based European guidelines for treatment of atopic eczema (atopic dermatitis) in adults and children: part I

A. Wollenberg , S. Barbarot, T. Bieber, S. Christen-Zaech, M. Deleuran, A. Fink-Wagner, U. Gieler, G. Girolomoni, S. Lau, A. Muraro, M. Czarnecka-Operacz ... [See all authors](#) ▾

First published: 20 April 2018 | <https://doi.org/10.1111/jdv.14891> | Cited by: 46

Evidence of the efficacy of moisturizers/emollients in the treatment of atopic eczema (even used without drugs on mild atopic dermatitis)

Evidence of sparing effect on corticoids by the use of moisturizers/emollients



Olivry et al. *BMC Veterinary Research* (2015) 11:210
DOI 10.1186/s12917-015-0514-6

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Treatment of canine atopic dermatitis: 2015 updated guidelines from the International Committee on Allergic Diseases of Animals (ICADA)



Thierry Olivry^{1*}, Douglas J. DeBoer², Claude Favrot³, Hilary A. Jackson⁴, Ralf S. Mueller⁵, Tim Nuttall⁶, Pascal Prélaud⁷ and for the International Committee on Allergic Diseases of Animals

“For **chronic canine AD**, the first steps in management are the identification and avoidance of flare factors, as well as ensuring that there is **adequate skin and coat hygiene and care; this might include more frequent bathing and possibly increasing essential fatty acid intake**. The medications currently most effective in reducing chronic pruritus and skin lesions are topical and oral glucocorticoids, oral ciclosporin, oral oclacitinib...”



Management of CAD

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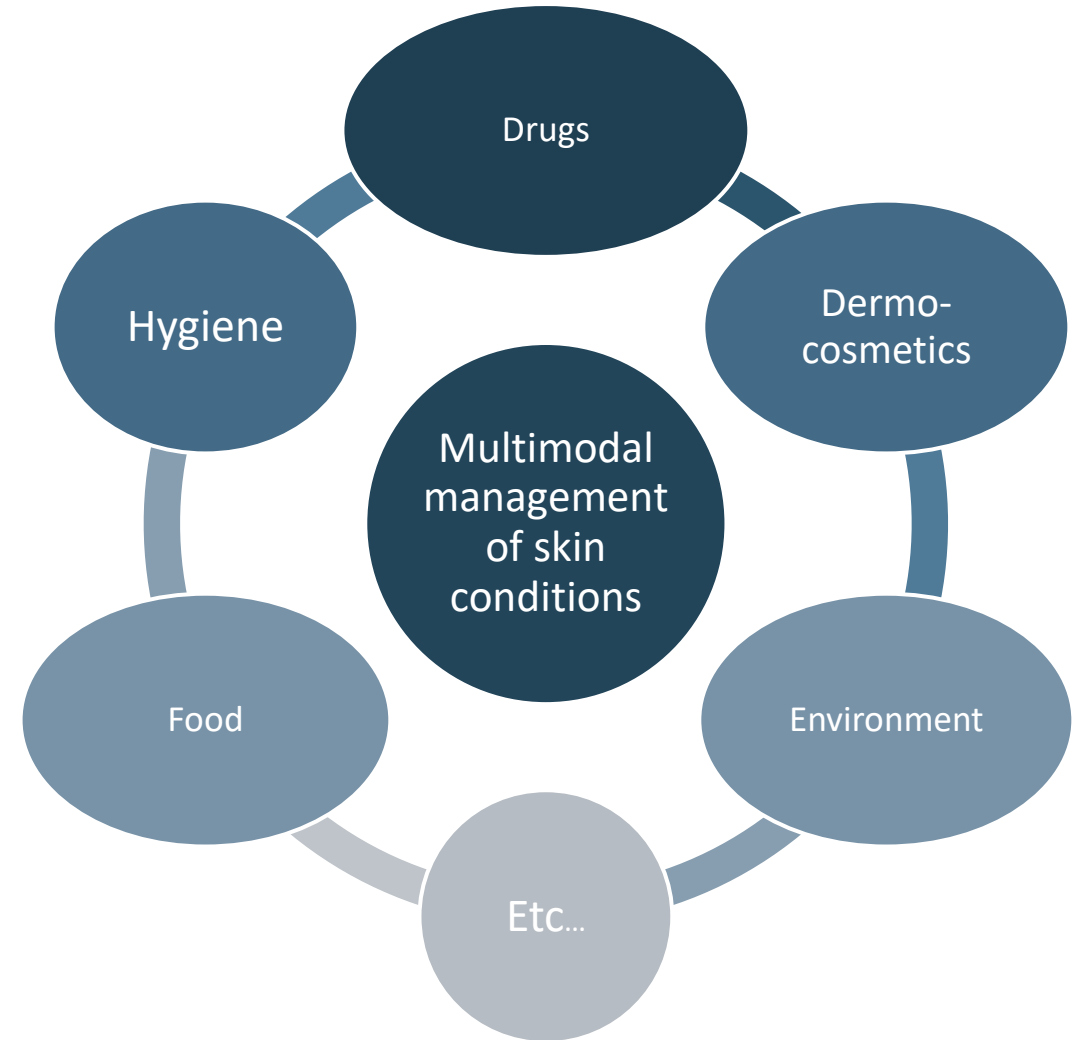
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ATOP 7® line Management of pruritic dermatitis

HYGIENE SOLUTIONS



Hygiene
with
water

ATOP 7® Shampoo:
soothing shampoo-
cream to cleanse and
nourish the skin



Rinse-
free
hygiene

ATOP 7® Mousse:
cleansing foam to
remove dirt/allergens
and soothe the skin



Topical
cares

ATOP 7® Spot-on : soothing & repairing care for
sensitive, dry, irritated, allergy-prone skins

ATOP 7® Spray : steroid-free soothing emulsion
to relieve itching

ATOP 7® Hydra Cream : moisturizing fluid
cream to nourish the skin

ATOP 7® MAX Hydra : hydrating mist



Symptomatic treatments

Medication, such as :

- Antihistamines
- Corticosteroids
- Cyclosporine
- Oclacitinib
- Lokivetmab

➤ Reducing symptoms

Rapid effects

+ **Dermo-cosmetics**



- To reinforce the altered skin barrier in atopic patients
- To cleanse and remove allergens from the skin surface
- Soothe irritated skin and maximizing the effect of medication

+
**Food
Environment
etc.**