

# Treating Allergy



Allergen Specific  
Immunotherapy &  
topical therapy

# Immunotherapy



Treating atopy with  
an allergy vaccine

# Allergen Specific Immunotherapy

The best and simplest treatment is to avoid contact with the allergens. Unfortunately, most of the time this is not possible.

There are a number of short-term medications available to help control the allergy symptoms. These symptomatic medications, such as corticosteroids, cyclosporine, oclacitinib and lokivetmab are excellent at suppressing the allergic reaction, however they do not treat the root cause of the disease.

These medications can have significant disadvantages, especially when they have to be given as long-term therapy over an animal's lifetime. For that reason, it is advisable to administer these medications for short periods.

After determining the cause of the allergy through an allergy test, it is possible to produce an allergen-specific immunotherapy (hyposensitisation) specifically for each patient.

Allergen-specific immunotherapy is the only disease modifying therapy, which can make the immune system less sensitive, or not sensitive at all, to the allergens that trigger the allergic reaction.

## Highest category of evidence and strength of recommendation

The international Task Force on Canine Atopic Dermatitis has concluded that allergen-specific immunotherapy has the highest category of evidence (COE 1a) and the highest strength of recommendation (SOR A) for the treatment of atopic dermatitis<sup>6</sup>.

Allergen-specific immunotherapy can be injected subcutaneously with a monthly injection





# Immunotherapy

Immunotherapy has proven efficacy and safety. It has very few rare side effects and can therefore be given for long periods.

Immunotherapy works by giving repeated doses of allergens, thereby stimulating an immune response in the body which leads to the build-up of immunological tolerance. It is the only treatment which alters the course of allergic disease while at the same time controlling the symptoms.

• Treats the root cause, not only the symptoms

• Effective

• Safe

• Identical allergens for allergy tests and therapies

• 10 months treatment with only one vial

• Easy to use

The efficacy rate of subcutaneous immunotherapy where symptoms are reduced by 50% or more is up to 75%



**THERAPY**  
SUSPENSION FOR SUBCUTANEOUS  
INJECTION

Active ingredients (extracts)  
per dose of 1ml: 250 NE  
Agrostis gigantea 250 NE  
Lolium perenne 250 NE  
Anthosanthum odoratum 250 NE  
Phelum pratense 25 NE  
Derm.pteronyssinus 25 NE  
Acarus siro 250 NE  
Chenopodium album 250 NE  
Tyr.putrescentiae 0,5 mg.  
Adjuvans:  
Aluminiumhydroxide





# Administration and dosage

## Schedule

The first dosage starts at 0.2ml, after which it is gradually increased over longer intervals to a maximum of 1.0ml. When this dosage is reached after 12 weeks, a fixed dose of 1.0ml is administered monthly.

Allergy is a chronic disease and every 10 months a follow-up vial is required.

One vial of  
Immunotherapy lasts  
for 10 months.  
Up to 8 allergens  
per each vial

| Advised schedule        | Dosage |
|-------------------------|--------|
| Week 1                  | 0.2 ml |
| 2 weeks later (week 3)  | 0.4 ml |
| 2 weeks later (week 5)  | 0.6 ml |
| 2 weeks later (week 7)  | 0.8 ml |
| 3 weeks later (week 10) | 1.0 ml |
| 3 weeks later (week 13) | 1.0 ml |
| 4 weeks later (week 17) | 1.0 ml |
| 4 weeks later (week 21) | 1.0 ml |

Maintenance period: 1.0 ml every 4 weeks.



# Possible deviations

In some particular cases, it can be necessary to deviate from the standard dosing schedule, for example:

**Are symptoms occurring or worse immediately after the vaccine injection and reducing after 1-2 days?**

Sometimes the dosing schedule seems to be too quick for some animals. It is best to take a step back for 1 or 2 times in the dosing schedule (for example, giving 0.8 ml instead of 1.0 ml). If needed, symptomatic medication can be given concomitant to alleviate the symptoms and calm the skin.

**Are the symptoms coming back 1-2 weeks before the new injection?**

The interval can be too long for the animal. It is possible to adjust the interval to 0.8 ml every 3 weeks or 0.5 ml every 2 weeks. This then becomes the new maintenance dose. Adjusting the interval is only recommended if the dog was already on the maintenance dose (1.0 ml every 4 weeks).

Our allergy experts are always available to discuss particular cases in order to find the best schedule for your patient.



# Other Management Options

A multimodal approach to allergy is very important. You can use in conjunction with immunotherapy other products that can help control the symptoms of allergy when necessary.

Topical skin and ear products can help manage the microflora on the skin and in the ears, and help prevent secondary infections. Sprays and spot-on's containing EFAs and moisturising ingredients can help support the skin barrier and help reduce redness and itch. Shampoos, foams and wipes can all be used to easily wash allergens off of the coat and reduce bacteria and yeast on the skin and paws.

Symptomatic medications that block the itch are very effective at quickly making animals comfortable, especially during build-up phase of immunotherapy and in case of flare ups.

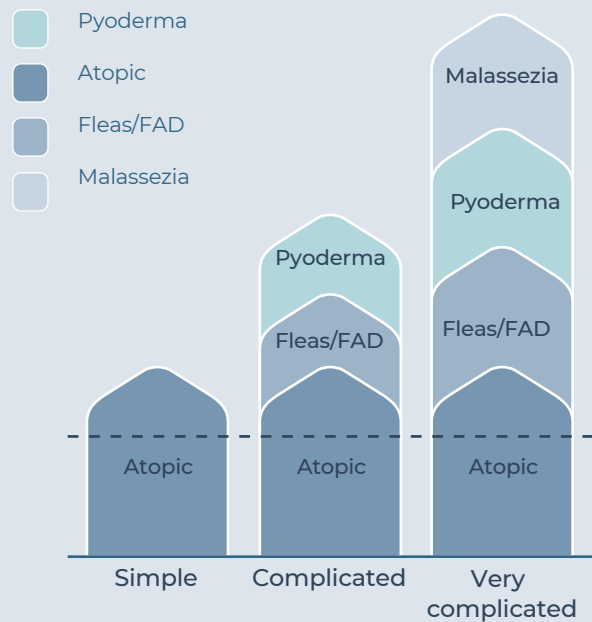
Combining all of these treatment options can be beneficial in reducing symptoms and keeping your pet below their itch threshold, helping them live a comfortable life.

## Pruritic threshold and flare-ups

In case of a flare-up, the symptoms suddenly appear or worsen. This means that the animal has risen above the pruritic threshold. It can happen due to different causes:

- more contact with allergens
- secondary infection (yeast, bacterial, etc.)
- other skin irritation due to fleas, swimming, more or less washing, etc.

With a flare-up, it is important to find the cause and prevent it. If the cause is unknown, it can sometimes be sufficient to correct the symptoms with temporary symptomatic medication.





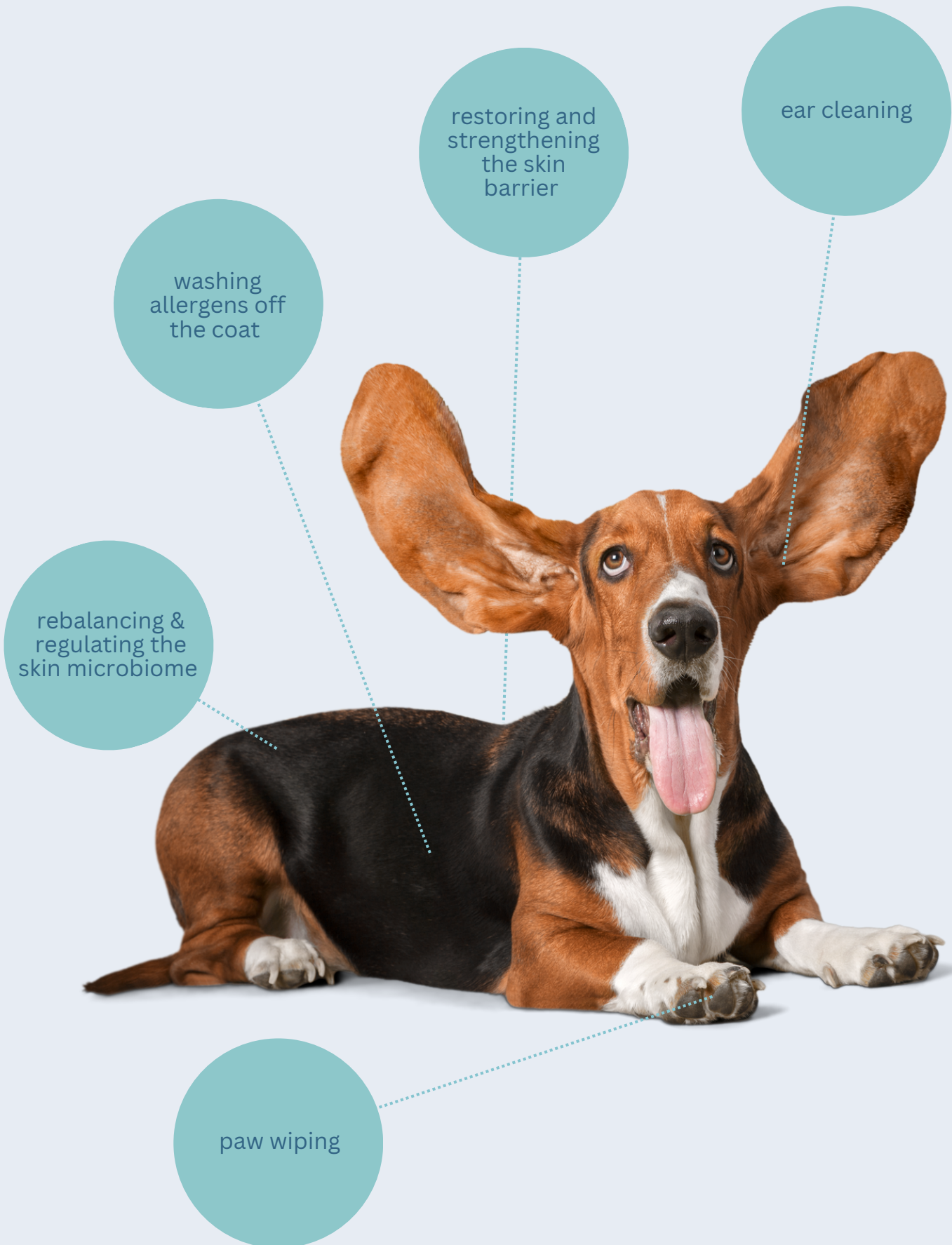
# Topical Therapy



Managing allergy symptoms with topical skin & ear products

# Topical Therapy

Using topical skin and ear products is an excellent way to help reduce the symptoms associated with allergy, including itching and secondary skin and ear infections. Shampoos, wipes, foams, sprays, spot-ons and ear cleaners can be used alongside other medications and are an ideal way to manage and prevent symptoms of allergy long-term.



# A multimodal approach

A multimodal approach to allergy is very important. Using topical skin and ear products in conjunction with immunotherapy, can help control the symptoms of allergy when necessary and maintain healthy skin and ears long-term.

## Wash the coat regularly



Environmental allergens like pollen and dust can easily come into contact with your pet's coat and skin. It is recommended to wash the coat and skin regularly to help remove these allergens. Regular bathing with a moisturising, anti-itch shampoo like Dermoscent Atop-7 Shampoo can help deeply cleanse the coat and skin.

For daily cleansing of the coat and skin, using an easy-to-use cleansing foam like Dermoscent Atop-7 Mousse can quickly help wash allergens off the coat whilst rehydrating the skin and repairing the skin barrier.

## Wipe the paws

Many allergic patients suffer with itchy paws caused by allergens like pollen and dust. As a result of excess chewing and licking caused by the itching associated with allergy, many of these pets get bacterial +/- fungal problems on their feet.

To help reduce licking and chewing caused by environmental allergens, it is recommended to wipe the paws daily. Using a medicated wipe like CLX Wipes can also help manage the microflora on the skin and help prevent issues caused by excess licking.





# A multimodal approach

## Repair the skin barrier



Allergic dogs are known to have defects in their skin barrier, the body's natural defence against environmental allergens. When the skin barrier is not properly intact, allergens can penetrate the skin more easily and trigger an allergic reaction. It is important to help try and repair and strengthen the skin barrier in allergic patients.

Dermoscent Atop-7 Spray, Atop-7 Hydra Spray and Atop-7 Hydra Cream contain natural essential oils that help restore and repair the skin barrier. They also help moisturise the skin and reduce redness and itch.

Atop-7 Spot-On is an easy-to-use, once-a-week spot on therapy that can help strengthen the skin barrier.

## Clean the ears regularly

Many allergic patients get recurrent ear problems. Inflammation associated with allergy can result in a change in the microclimate of the ear, meaning bacteria and yeast can more easily proliferate.

To help reduce the frequency of ear problems, it is recommended to clean the ears of patients who regularly get ear flare ups.

Using an antibacterial cleaner like Otodine can help manage ears of patients who have an imbalance of bacteria. Patients who are more prone to yeast overgrowth can be managed with an anti-fungal cleaner like Clorexyderm Oto. For patients where the ear is prone to an excess production of ear wax, a cleaner like Otoact is recommended.



## Maintain good skin hygiene

Many allergic patients get recurrent skin problems caused by an imbalance of the skin microflora. To help maintain healthy skin, it is recommended to cleanse the skin regularly using topical antibacterial and anti-fungal products.

The Clorexyderm 4% skin range is antibacterial and anti-fungal and can help soothe irritated skin. It is available as a shampoo with a short 5-minute contact time for improved owner compliance.

Clorexyderm 4% Foam and Spray are easy-to-use topical solutions that are ideal for localised areas of the skin when wet bathing may not be needed, or they can be used on their own when shampooing is difficult.

Dermoscent PYO-Spot is an easy-to-use, once-a-week spot on therapy that helps regulate the skin microflora and can extend the period of time between skin flare-ups.



# A multimodal approach

## Control environmental exposure



Avoid contact with allergens is the most effective way to treat the symptoms. Although most of the allergens are impossible to avoid, there are some preventive options that can help.

Pet's Relief® ALLERGONE is an innovative allergen neutralizing spray designed to reduce the exposure to house dust allergens. It provides a long term protection of 5 months after a single application.

## Skin health supplements

It is believed atopy is associated with a defect skin barrier. This makes it easier for allergens to penetrate the skin and cause symptoms.

Dietary skin supplements can support and improve the skin barrier<sup>8</sup>.

Pet's Relief® ATOPI-3 is a complete and well-balanced dietary supplement that includes omega 3 (EPA and DHA), Zinc, MSM (methylsulfonylmethane), Vitamine A, Vitamine C and Vitamine E. It is specially developed to maintain the natural skin barrier, to promote skin repair, to help control excessive skin inflammation and to support neutralization of free-radicals (antioxidant).



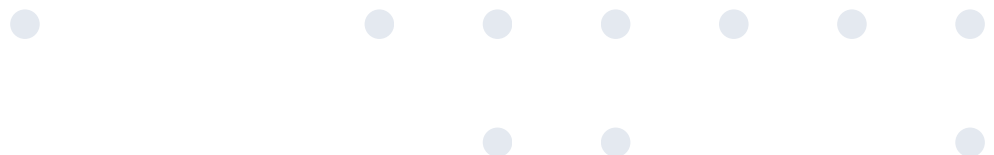
## Skin & gut microbiome regulators



Allergic patients have a dysbiosis of the skin microbiome, meaning they have a higher proportion of unhealthy microflora on the skin. This makes them more prone to skin flare-ups. There is also evidence that the gut microbiome plays a part in the overall health of the skin.

Linkskin Spray is specially formulated to help regulate the skin microbiome and promote the growth of beneficial skin flora. It also helps soothe itchy skin and reduce redness.

Linkskin Tablets contain pre and probiotic to help promote a healthy gut microbiome for beneficial effects on the skin.







## THE ALLERGY JOURNEY

## UNDERSTANDING ALLERGY & ALLERGY MANAGEMENT

For more information on allergy including what causes it, how to diagnose and treat it as well as lots of other useful information please scan the QR code or visit:

<https://go.nextmune.com/theallergyjourney>



SCAN ME

