



# Dermatological treatment Ozone therapy



# We take care of the skin and coat of pets

# What is atopic skin?

### PATHOLOGIES

The**atopic dermatitis**Canine is a common chronic disease of allergic origin, triggered by environmental allergens such as mites, tree pollen and grasses. Of**multifactorial origin**, **alterations in the function of the epidermal barrier** and immune system dysfunction and/or genetic predisposition.

DAC or canine atopic dermatitis, appears at an early age, but produces discomfort and itching that are associated with recurrent dermatitis during outbreak periods and will remain throughout the animal's life.

The only way to be successful is to combine several strategies to control different factors.and avoid periods of outbreaks.



- **1. Allergens:**Contact with the most common responsible allergens are the glycoproteins of dust mites and Aero allergens.
- Altered skin barrier:Normally in DAC the barrier function is altered and greater transepidermal water loss occurs (TEWEL barriers).
- 3. Secondary skin infections:DAC are predisposed to develop recurrent superficial pyodermas and it is common to observe papules, pustules, collarettes, peeling and seborrhea. Colonization by pathogenic Staphylococcus species is greater in atopic skin than in healthy skin, which can be explained in part by the lower activity of cutaneous antimicrobial peptides of the innate immune system. About 40% of atopic dogs have recurrent skin infections due to yeast of the species Malassezia pachydermatis, which usually causes a strong odor on the skin, a greasy appearance and the presence of scabs, peeling and paronychia (brown discoloration of nails) and appearance of itching and itching.
- 4. Control skin inflammation and itching





### MECHANISMS OF CONTROL

- Allergens: Avoiding exposure can be quite complicated or impossible, however it helps to vacuum and wash bedding at 60°C to reduce the exposure of the dog's skin to the allergens of these mites. If you have a second pet, which produces a reaction in the epithelium, avoid contact with each other.
- Altered skin barrier: Topical humectants such as glycerol, glycerin, propylene glycol, panthenol and urea will increase the water-retention capacity of the epidermis, especially after bathing.
- **3. Secondary skin infections:**Regular application of topical treatments (shampoos, foams, sprays, wipes and gels) effective against bacteria and yeast.
- 4. Application of calming and relaxing active ingredients.

### Success in DAC is to avoid the appearance of serious outbreaks, requiring multimodal treatment (control of multiple causes).

Twice-weekly washes are usually effective, but if the infection is severe, the topical treatment should be applied more frequently at first, washing daily for a week, then moving to every other day for the next week and finally to two washes. weekly. Protocols that include the application of a foam, gel or spray to the lesions, twice a week, in addition to a weekly bath with shampoo, also appear to be equally effective.



(47/9)

47.9



2

Second Bathroom



Third Bathroom

3



### **ASSETS**OZONE

## Asset Synergy: H+C+X\*



Hexylene Glycol Capryloyl Glycine Xylitylglucoside \* Concentration 3% Exponential results combining the three active ingredients in a single formula: shampoo.

Properties: Codayuvantre in repair of the altered skin barrier.

Controls excess fat, inhibits**5α-REDUCTASE**and **Malasezia Furfur**(bacterial proliferation).

#### **Epidermal Barrier**



Reduces irritation



After 2 months using 3 times a week**H+C+X** reduces skin irritation.

#### Maintains skin health

**H+C+X**Limit the use of preservatives, the skin feels much better.

P. Aeruginosa**	2.5%
S.Aureus	2.5%
E.Coli	2.5%
C. Albicans	2.5%
A.Brasiliensis	2.5%

### PLANT EXTRACTNATURAL



Emollient: Softens and softens the skin. Skin care agent: Keeps the skin in good condition.



Anti-inflammatory properties - soothing effect on the skin and its antiseptic properties. In particular, it consists of bisabolol which helps soften the skin. 🔰 Balm

Soothes and refreshes irritated skin thanks to its anti-inflammatory and antioxidant properties. It also has antimicrobial and sebum-regulating effects. Aloe vera Moisturizing skin, increases collagen production in hair and skin, gives elasticity and prevents aging of the skin and scalp.

#### **Glycerin** Vegetable

Benefits of Vegetable Glycerin for Hair Vegetable glycerin is also an excellent product for the health of dry and damaged hair.

- 1. Helps counteract foot aging
- Promotes elasticity and smoothes wrinkles
   Moisturizes the skin
  - 4. Treats psoriasis and acne
- 5. Protect the skin and scalp from bacteria
- 6. Regulates sebum production
- 7. Soothes itching and redness
- 8. Decongests and refreshes
- 9. Protect from the sun
- 10. Treats erythematous lesions and scars.

Benefits of vegetable glycerin for the skin

The main action is to soften the skin, retaining its moisture. This allows you:

- 1. Cleanse the skin without clogging pores
- 2. Smooth and compact skin appearance
- 3. Facilitate cell regeneration
- 4. Even out the complexion, lighten the darkest spots
- 5. Reduce marks and imperfections

### **STUDY**VET



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### **LINE**OZONE



#### TREATMENT OF 🕉 SHAMPUTHERAPY FOR DERMATOSIS

TAKE CARE OF THE SKIN **& THE MANTLE** 

#### **HYDRATES** & RECOVER



#### **OZONE SHAMPOO** SOFT

Shampoo therapy for mild dermatoses Shampoo therapy for mild dermatoses

It is a line of shampoo therapy indicated for the hygienic treatment of skin with dermatitis, atopic tendency, with inflammatory dermatoses, food allergies and/or peeling with primary lesions: erythema, papules, pustules and/or plaques, as well as hyperkeratosis, lichenification, hyperpigmentation and /or seborrhea.

#### FORMULA ASSETS:

**MEDICINAL PLANTS COMPLEX: ALOE VERA -**MELISA - ARGAN CAMOMILA WLYCINEØIL XYLITYLGLUCOSIDE.



#### OZONE HARD SHANH AND

Shampoo therapy for severe dermatoses Shampoo therapy for severe dermatoses

It is a line of shampoo therapy indicated for the hygienic treatment of skin with dermatitis, atopic tendency, with inflammatory dermatoses, food allergies and/or peeling with primary lesions: erythema, papules, pustules and/or plaques.

FORMULA ASSETS: **MEDICINAL PLANTS COMPLEX: ALOE VERA -**MELISA - ARGAN CAMOMILA WLYCINEØIL XYLITYLGLUCOSIDE.



#### **OZONE SWEET SHAMPOO**

Shampoo therapy for mild dermatoses Shampoo therapy for mild dermatoses

It is a line of shampoo therapy indicated for the hygienic treatment of skin with dermatitis, atopic tendency, with inflammatory dermatoses, food allergies and/or peeling with primary lesions: erythema, papules, pustules and/or plaques, as well as hyperkeratosis, lichenification, hyperpigmentation and /or sebor

#### FORMULA ASSETS: MEDICINAL PLANTS COMPLEX: ALOE VERA/ **ARGAN OIL/ CAPRYLOYL WISTERIES /** XYLITYLGLUCOSIDE

Treatment regimen: The complete shampoo therapy, shampoo and conditioner protocolcan be done every three days until you notice improvement. In cases of outbreak, once there is improvement, space the time between washes.











The perfect combination **Ozonized Water** + Shampootherapy



### **CASES**REAL

#### Patient1



#### **DIAGNOSIS:**

- · Atopy
- · Pyoderma
- · Malassezia



TREATMENT:
· Cyclosporine
· DHA
· Ketoconazole
· Cefadroxil
· 2-3 baths per week with PSH
Soft and Sweet

#### Patient2



#### **DIAGNOSIS:**

Demodicosis widespread · Deep pyoderma

#### Patient4



**TREATMENT:** • DHA • Collagen • Diet rich in protein until clinical picture are controlled, then 2-3 baths/week, then 1-2



- · Plate
- · Piod

#### Patient5



#### **DIAGNOSIS:**

· Atopy

- · Malassezia
- · Pyoderma Mucocutaneous



 $\cdot$  Cycles



· Diagnosis

· Atopy Bacterial folliculitis

#### Patient6



#### **DIAGNOSIS:**

- · Erythema multiforme Minor
- · Deep pyoderma



#### **TREATMENT:**

- Amoxicillin-Clavulanic Ac



#### **TREATMENT:**

- · Enrofloxacin

- Imagine Dermo
  Collagen
  Psh soft and sweet:
- 1-2 baths/week





### "Cuidamos la piel y el manto de las mascotas"





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#### **Bibliography**

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