

Use of Detoxsan® Paste for Various Types of Superficial Skin Lesions: Case Reports

Zoraida Mercedes Granda Diaz ¹ and Wilfried Dathe ^{2*}

¹Policlínico “Celia Sánchez”, 43000 Playa Larga, Matanzas, Cuba.

²Heck Bio-Pharma GmbH, Gerberstraße 15, 73650 Winterbach, Germany.

*Corresponding Author: Wilfried Dathe, Hegelstraße 73, 06114 Halle (Saale), Germany.

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Abstract

The Detoxsan® paste used contains zeolite, squalane and vaseline. Zeolite acts as an adsorbent, squalane is a natural oil with important functions in the skin and vaseline serves as a carrier to ensure that the zeolite adheres to the skin. It was used for four defined superficial skin lesions and for other skin irritations that were not clearly proven. In all the cases described the symptoms of itching and inflammation that often accompany these skin lesions improved significantly. It seems likely that the positive effect of Detoxsan® paste on the healing of skin lesions is due to the combination of the three components of the paste, although the positive properties of the individual components are discussed.

Key words: zeolite; squalane; vaseline; itching; inflammation; skin lesion

Introduction

Detoxsan® paste is an anhydrous formulation containing a high content of zeolite, squalane and vaseline. Zeolite is an aluminosilicate capable of binding significant amounts of histamine (~15 mg/g zeolite) [1]. In addition, this zeolite is known to have a high water-binding capacity and an anti-inflammatory effect [2]. Histamine plays a decisive role in the severity of itching, which triggers an unpleasant sympathetic response, especially in the case of superficial skin diseases, and can delay the healing process of the skin by scratching. Squalane is one of the lipophilic components of our skin and is contained in the formulation of Detoxsan® paste as phytosqualane. The function of squalane in the skin focuses on maintaining the water content and elasticity of the skin [3]. Pharmaceutical-grade white vaseline has been a well-known skin care product for decades [4].

Because Detoxsan® paste is a water-free formulation and this paste forms a mineral-lipophilic layer on the skin that is not absorbed into the skin. This mineral-lipophilic layer of the paste cuts off the supply of oxygen and water to the microorganisms underneath. Due to the histamine adsorption and the thin mineral-lipophilic layer, initial results with mycosis and intertrigo have shown that Detoxsan® paste promotes the restoration of a healthy skin structure [5].

Based on these results, Detoxsan® paste is used for various superficial skin inflammations to obtain indications for which this paste can be used, even if classic treatment options are not available. It is mainly a question of the type of skin damage and the time it will take until it can be overcome. The aim of this work is to select those skin lesions that are of particular interest for further and more detailed investigations.

Materials and Methods

Detoxsan® paste was used, on the one hand, in the context of general medical care in Cuba and, on the other hand, in two naturopathic practices in Germany. All patients included in this study accepted treatment with this alternative therapy.

The patients with the respective skin lesions are described in detail, including age, gender, concomitant diseases and previous therapeutic measures. Based on the respective duration of use of the Detoxsan® paste to restore a healthy skin surface, conclusions can be drawn about its usefulness.

The Detoxsan® paste used here contains a very fine zeolite with a particle size of about 3 µm, a squalane which is a phytosqualane and vaseline.

Results

Herpes zoster skin inflammation

Female, 82 years old, suffering from intercostal *Herpes zoster* [6] in addition to her chronic diseases such as bronchial asthma, arterial hypertension, ischemic heart disease and generalized osteoarthritis. Furthermore, there was an acute extensive skin lesion in the left lumbar region and left lateral abdomen, but no skin fungus. The onset of the main skin symptoms was on 9 June 2024 with swelling, pruritus and erythema. Due to the lack of acyclovir cream, Detoxsan® paste was applied twice daily to the lesion area from the next day onwards. The itching had disappeared by the second day, the swelling and erythema decreased

considerably in the following days until day 7 and there were no papules and vesicles (Fig. 1). Finally, it should be noted that the skin lesion resolved in about a week due to Detoxsan[®] paste which dried the lesions

quickly and prevented a secondary infection, but the severe lower back pain due to *Herpes zoster* remained.

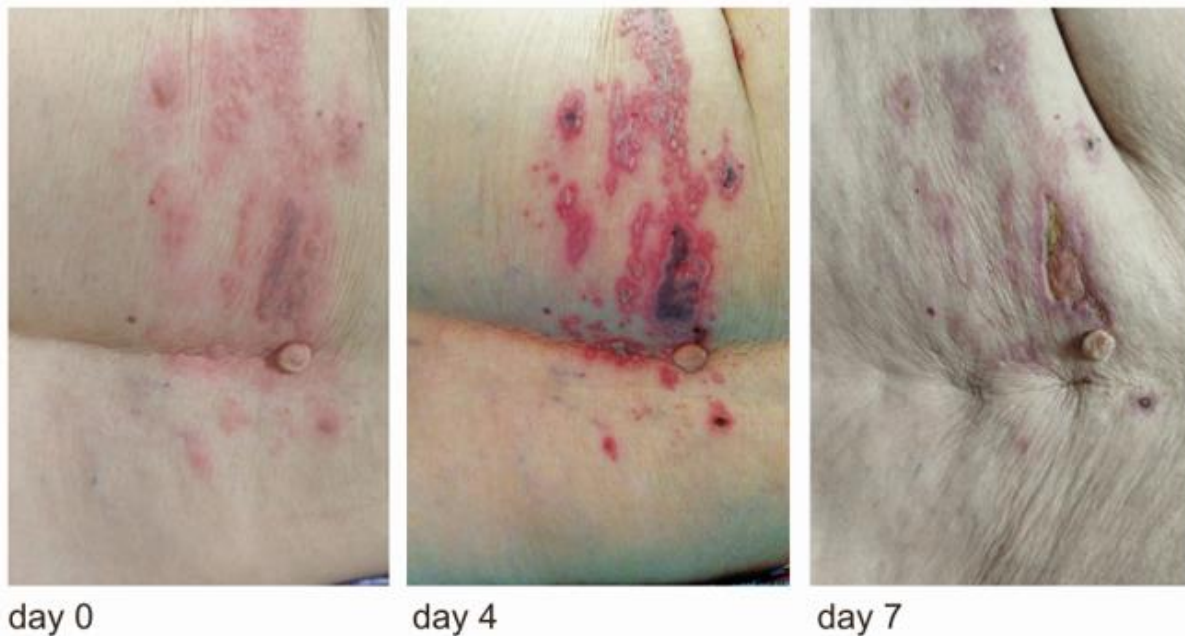


Figure 1: Change in the appearance of skin inflammation caused by *Herpes zoster* after treatment with Detoxsan[®] paste.

Pityriasis rosea

Pityriasis rosea [7] was present in a 75-year-old woman since 2016. The right and left forearms, the lower right leg and the right knee were particularly affected on surfaces of 1 to 10 cm in diameter. As this skin disease is an exanthema without major health restrictions, this skin inflammation remained untreated until 2022. In February of this year, an attempt was made to eliminate the skin inflammation by means of acupuncture, orthomolecular medicine based on quantum resonance magnetic analysis (QRMA) using Kryptosan HE[®] as an anti-criptopirroluria drug and additionally nosode therapy - a special form of homeopathy - but without success. In April 2024, a daily treatment with Detoxsan[®] paste with retention of Kryptosan HE[®] was started. The reddening of the skin was now accompanied by an unpleasant itching, which disappeared completely within a week of applying the paste. After 3 weeks, the redness of the skin was significantly reduced and the size of the affected areas was smaller. At the end of the application period, after 3 months, only a few affected areas remained, so patient and therapist were already very satisfied with the results.

Atopic eczema

A 70-year-old woman suffered from atopic eczema on the back of her neck since 2022. The atopic eczema first appeared in September 2022 in the neck area after three vaccinations against the SARS-CoV-2 virus. The eczema disappeared symptomatically in February 2023 after several complementary medical treatments. An acute exacerbation occurred in April 2024, following a booster vaccination associated with oozing, itching and severe redness. Detoxsan[®] paste was applied twice daily to the damaged area of the skin. At the same time, she took Kryptosan HE[®] and Detoxsan[®] powder orally. After one week, the oozing and itching had disappeared. After one month, the area had shrunk, but the redness was still present and after 3 months, the atopic eczema had completely disappeared. Both therapist and patient were very satisfied after the third week, when the eczematous symptoms subsided.

Rosacea

A 56-year-old woman suffered from Rosacea on the cheek of her face, about 7 cm in size, since November 2021 and sought treatment in April 2022. Acupuncture, laser therapy, micro-immunotherapy and other measures were used. Although the symptoms of Rosacea were somewhat alleviated, the desired result had not yet been achieved. For this reason, in April 2024, treatment was started with Detoxsan[®] paste, which was applied in a thin layer to the damaged skin twice a day. At the same time, she took Kryptosan HE[®] and Detoxsan[®] powder orally as is done in many diseases to improve endogenous regulation and detoxification. After one month, the Rosacea symptoms had completely disappeared and both patient and therapist were absolutely satisfied with the treatment.

Other applications

Some application observations indicate that Detoxsan[®] paste has been effective on damaged toenails. Although these toenails were phenotypically very similar to a mycosis, no microbiological determination was performed, so it cannot be assumed with certainty that it is a mycosis.

The situation is similar for psoriasis, which is an autoimmune disease and one of the most common inflammatory skin diseases. Treatment takes longer, the response rate seems to depend on the causes of this systemic disease and requires a separate detailed investigation.

Discussion

The use of Detoxsan[®] paste in the above examples has shown that itching, which is often a symptomatic accompaniment of inflamed skin areas, is significantly reduced. The exact cause of this soothing effect on the skin cannot be determined with certainty. On the one hand, zeolite's high binding affinity for histamine may play an important role [1], although many other components also play a role in triggering itchiness [8]. On the other hand, as a natural oil, squalane increases the water content of the skin surface, makes the skin supple and promotes the transport of active components into the skin [3]. Finally, the uses and benefits of petroleum

jelly in dermatology are many and varied, as a carrier for medicinal ointments and an essential element in wound care [4].

Similar arguments apply to the issue of skin inflammation as to itch. Histamine-related factors must be directly connected, or at least involved, in the signaling networks of many diseases, including inflammatory ones [9]. If the anti-inflammatory nature of zeolite [3] means that inflammatory parameters, including histamine, are bound by Detoxsan® paste, this effect should have a positive impact on the healing of the relevant skin area.

Finally, it should be noted that the anhydrous paste hermetically covers the damaged skin area and thus prevents the supply of water and air for microbial growth. These are examples of exogenous use of Cuban zeolite in addition to oral ingestion [10].

Conclusion

The above results show that Detoxsan® paste can be effectively applied to superficially damaged skin lesions to restore the skin and overcome the often associated itching and inflammation. For this reason, this anhydrous zeolite paste is suitable for effectively relieving itching and inflammation within a reasonable period of time.

Conflicts of Interest

None to declare.

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Nil

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