



ATOPIC ECZEMA/DERMATITIS

TOLERANCE AND EFFICACY OF A NEW DERMO-COSMETIC PRODUCT DEDICATED TO PRURITUS ASSOCIATED WITH DRY SKIN

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Introduction: Dry skin and pruritus are essential features of atopic dermatitis and can be also encountered in other dermatological conditions. A new dermo-cosmetic product containing *Aquaphilus dolomiae* extract, dedicated to pruritus associated with localized dry skin has been developed.

Objective: To evaluate tolerance and efficacy of the product.

Methods: Eighty-two subjects were included in this open clinical study and applied the product four times a day on localized areas of dry and pruritic skin during 22 days: 50 atopic subjects (16 adults, 18 children and 16 infants) in group 1 and 32 adult subjects with others dermatosis (such as eyelid eczema, senile pruritus) in group 2. Inclusion criteria included a xerosis score ≥ 2 (moderate) on a 0-3 scale and a pruritus score ≥ 4 on a 0-10 numerical rating scale (NRS) for adults and children and ≥ 1 for infants. Primary objective was to assess the tolerance of the product by the investigators (dermatologist and pediatrician). Secondary objectives included pruritus evaluations (NRS, visual Dynamic Pruritus Score (vDPS), 5D Pruritus Scale), local SCORAD and PO-SCORAD (group1), global efficacy evaluation, cosmetic acceptability questionnaire and standardized photographs.

Results: Tolerance of the product was good. At baseline, mean pruritus intensity (on average over the previous 24 hours) was 6.4 and 6.3 respectively in group 1 and 2 and decreased significantly at all time-points. L-SCORAD and L-PO-SCORAD improved significantly since D3 (respectively -41%, and -49%, $p < 0.001$). At D22, impact of itching on sleep and activities decreased and global efficacy was judged good or very good for 94 % of the subjects. Cosmetic qualities of the product were appreciated.

Conclusions: The results of this study demonstrated the interest of a new dermo-cosmetic product in subjects with intense pruritus and dry skin.

