

A Moisturizing Spray Ointment to Help Alleviate Dry Skin Symptoms Associated with Atopic Eczema, Psoriasis, and Xerosis

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INTRODUCTION

- Skin diseases such as atopic eczema, psoriasis, and xerosis are characterized by dry, scaly and cracked skin often accompanied by erythema, pruritus, tightness, and/or burning
- Ointments play an important role as adjunctive treatment to help manage dry skin issues, but application and tolerability can be problematic when applying to large and/or sensitive areas
- A first-in-market aerosol ointment –Aquaphor Ointment Body Spray (OBS)– was developed to enable easy application over large areas of skin

OBJECTIVE

- To assess the efficacy and skin compatibility of OBS in subjects exhibiting dry skin associated with atopic eczema, psoriasis, ichthyosis, and/or xerosis

METHODS

Subjects

- 80 male and female subjects, 1.2–75 years old
- Subjects with dry skin and having a diagnosis of atopic eczema, psoriasis, ichthyosis, and/or xerosis

Study design

- Double-blinded, clinical study conducted across multiple European centers
- Subjects and/or parents/guardians were instructed to apply the OBS at least once daily to very dry skin (excluding the face)

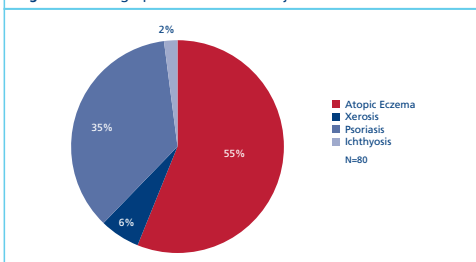
Assessments

- Clinical grading of efficacy (dryness, scaling, cracking) and irritation (burning, itching, tightness, and erythema) parameters were conducted at baseline and after approximately 2 weeks using a 5-point scale (0=none, 1=slight, 2=moderate, 3=severe, 4=very severe)
- At the final visit, subjects were assessed on tolerability, efficacy, and product performance

RESULTS

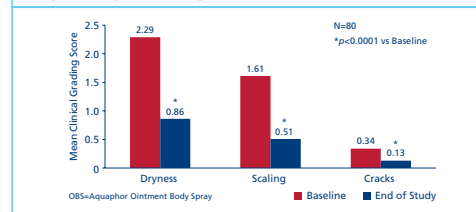
- 80 subjects were enrolled and completed the study, including 17 children aged 1–12 years and 10 teens aged >12–18 years (Figure 1)

Figure 1. Demographics of Enrolled Subjects



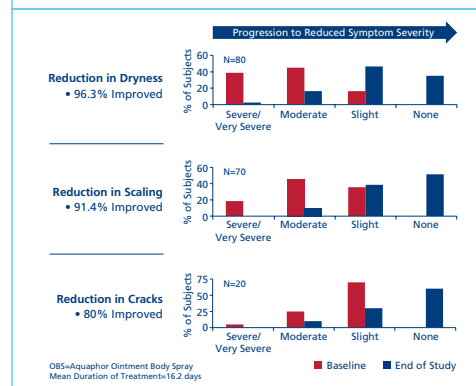
- Mean duration of treatment was 16.2 days
- Daily product use significantly improved mean clinical grading scores for efficacy parameters of dryness, scaling, and cracking by the end of treatment ($p < 0.0001$) (Figure 2)

Figure 2. Mean Clinical Grading Scores Significantly Improved After Daily OBS: Dryness, Scaling, Cracks



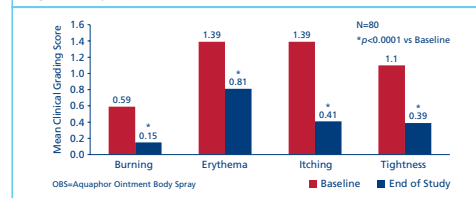
- Symptom severity improved in the vast majority of subjects, with complete resolution of symptoms in some subjects (35.0% dryness, 51.4% scaling, 60.0% cracking) (Figure 3)

Figure 3. OBS Reduced the Severity of Symptoms Compared to Baseline



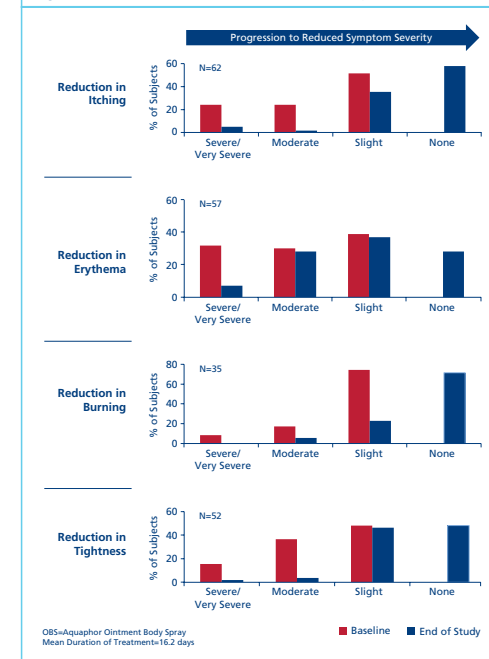
- Significant improvements were seen in all irritation parameters of burning, itching, tightness, and erythema compared with baseline ($p < 0.0001$) (Figure 4)

Figure 4. Mean Clinical Grading Scores of Irritation Parameters Significantly Improved with OBS



- Severity of irritation parameters were alleviated with daily OBS treatment, with a majority of subjects experiencing only slight or no symptoms at the end of treatment (Figure 5)

Figure 5. OBS Reduces Irritation Parameters Compared to Baseline



- The majority of patients exhibited improvements, no patients had a worsening, and there were no adverse events
- Physicians indicated OBS exhibited “good” or “very good” efficacy to alleviate dry skin in 98.8% of patients
- 100% of subjects exhibited “good” to “very good” tolerability
- Physicians reported an overall improvement in skin condition for 100% of subjects, and would recommend continuing use of the spray
- 95% of subjects indicated they would continue use of OBS

CONCLUSIONS

- Aquaphor Ointment Body Spray is a new-to-market aerosolized ointment
- This product was effective and well-tolerated, and helped alleviate dry, scaly, erythematous, tight, and pruritic skin in subjects with atopic eczema, psoriasis, ichthyosis, and xerosis
- OBS improved the skin condition of all study subjects
- OBS provides an effective option for the adjunctive moisturizing treatment of multiple skin conditions in both children and adults