

TOLERANCE AND EFFICACY OF A NEW DERMO-COSMETIC PRODUCT CONTAINING AQUAPHILUS DOLOMIAE AND BROUSSONETIA EXTRACTS DEDICATED TO PRURITUS ASSOCIATED WITH DRY SKIN

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INTRODUCTION

Dry skin and pruritus are the main features of atopic dermatitis (AD) that can be encountered in other dermatological conditions such as eyelid eczema and psoriasis. Repeated itchy periods can significantly impact patients' daily life. We developed a new dermo-cosmetic product, dedicated to pruritus associated with localized dry skin. It contains two active ingredients *Aquaphilus dolomiae* and *Broussonetia* extracts; this latter having demonstrated anti-inflammatory effects involving the JAK/STAT pathway. We investigated the tolerance and efficacy of the product in patients with atopic dermatitis and other skin disorders.

MATERIAL AND METHODS

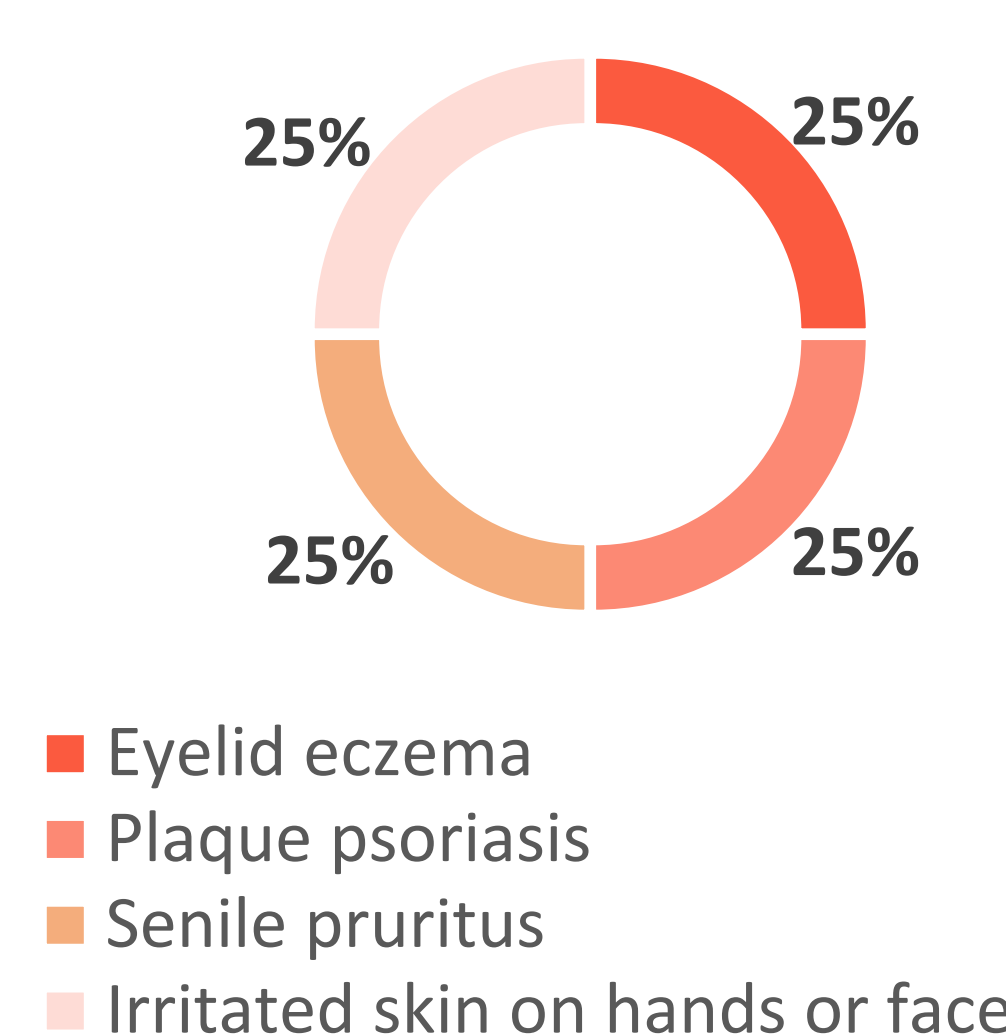
Two monocentric and open studies have been conducted on patients who applied the product four times a day on localized areas of dry skin (xerosis score ≥ 2 , 0-3 scale) with pruritus (pruritus ≥ 4 , NRS 0-10 scale) for 22 days :

Study N°1:

26 subjects (aged from 19 to 43 years old) with atopic dermatitis

Study N°2:

44 subjects (aged from 24 to 89 years old) with other skin conditions

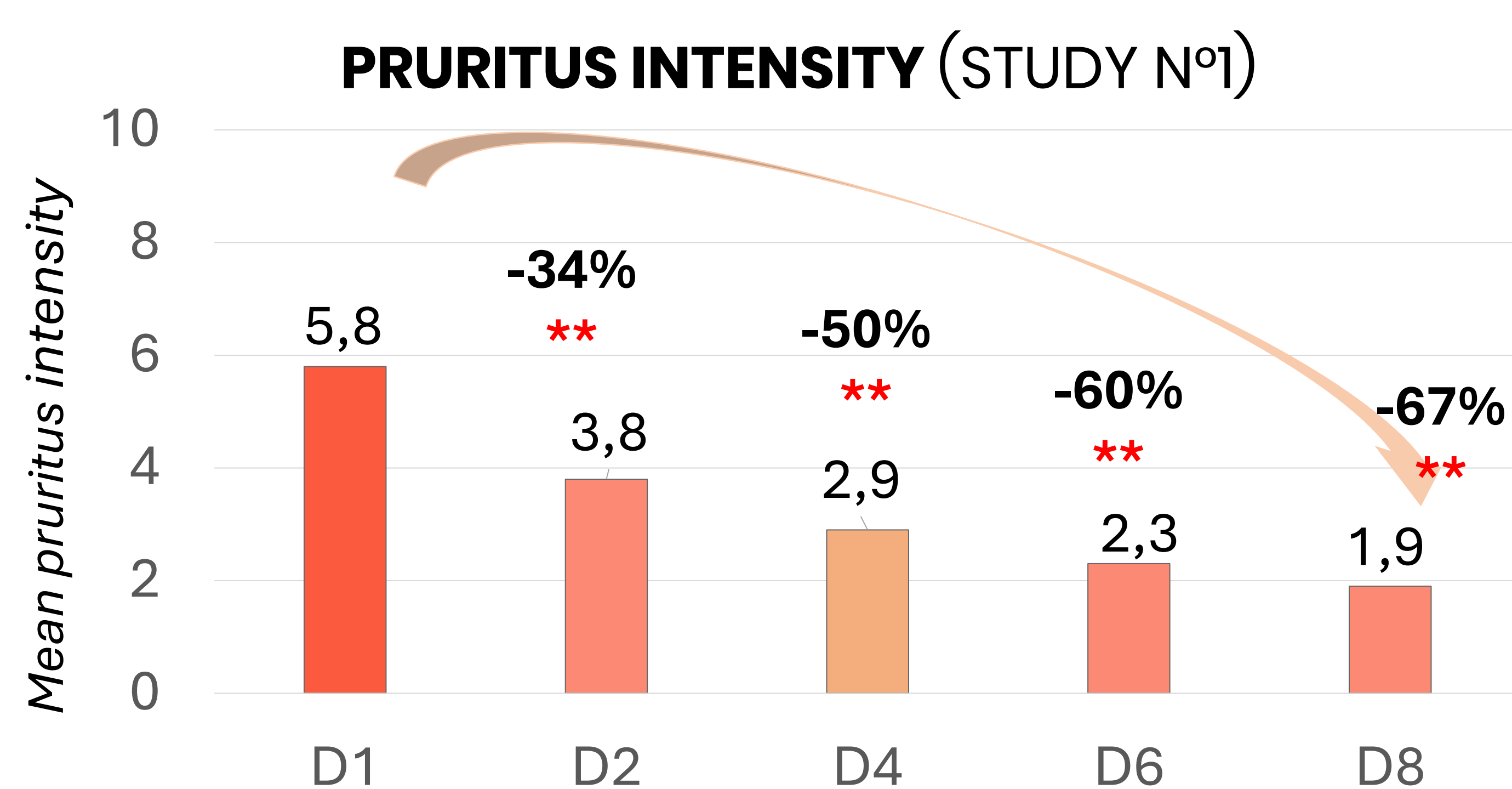


Assessments:

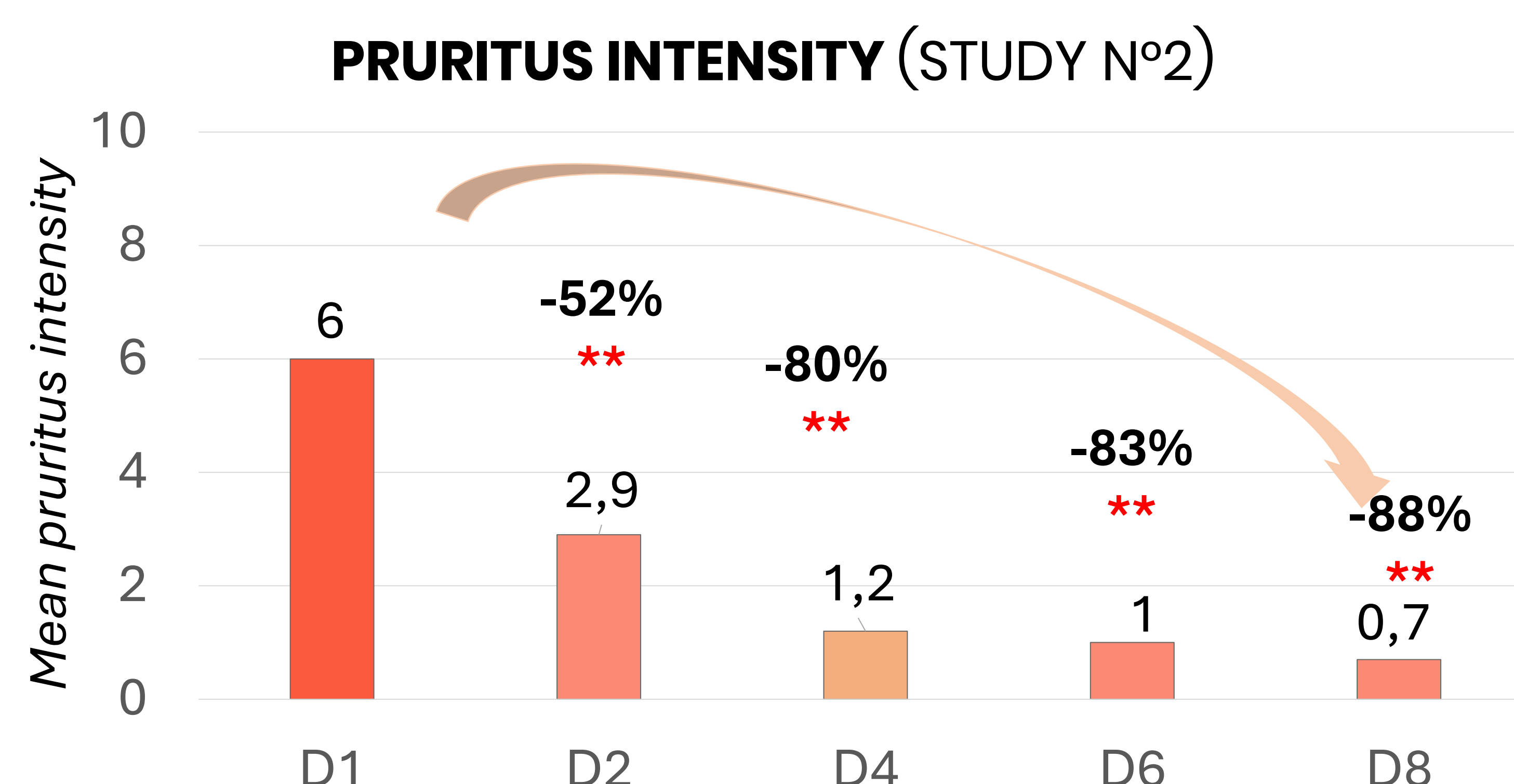
- ✓ Tolerance
- ✓ Physical & functional signs including dryness (0-3 scale)
- ✓ Pruritus (NRS 0-10 scale)
- ✓ L-SCORAD (Study N°1)
- ✓ Cosmetic acceptability

RESULTS EFFICACY

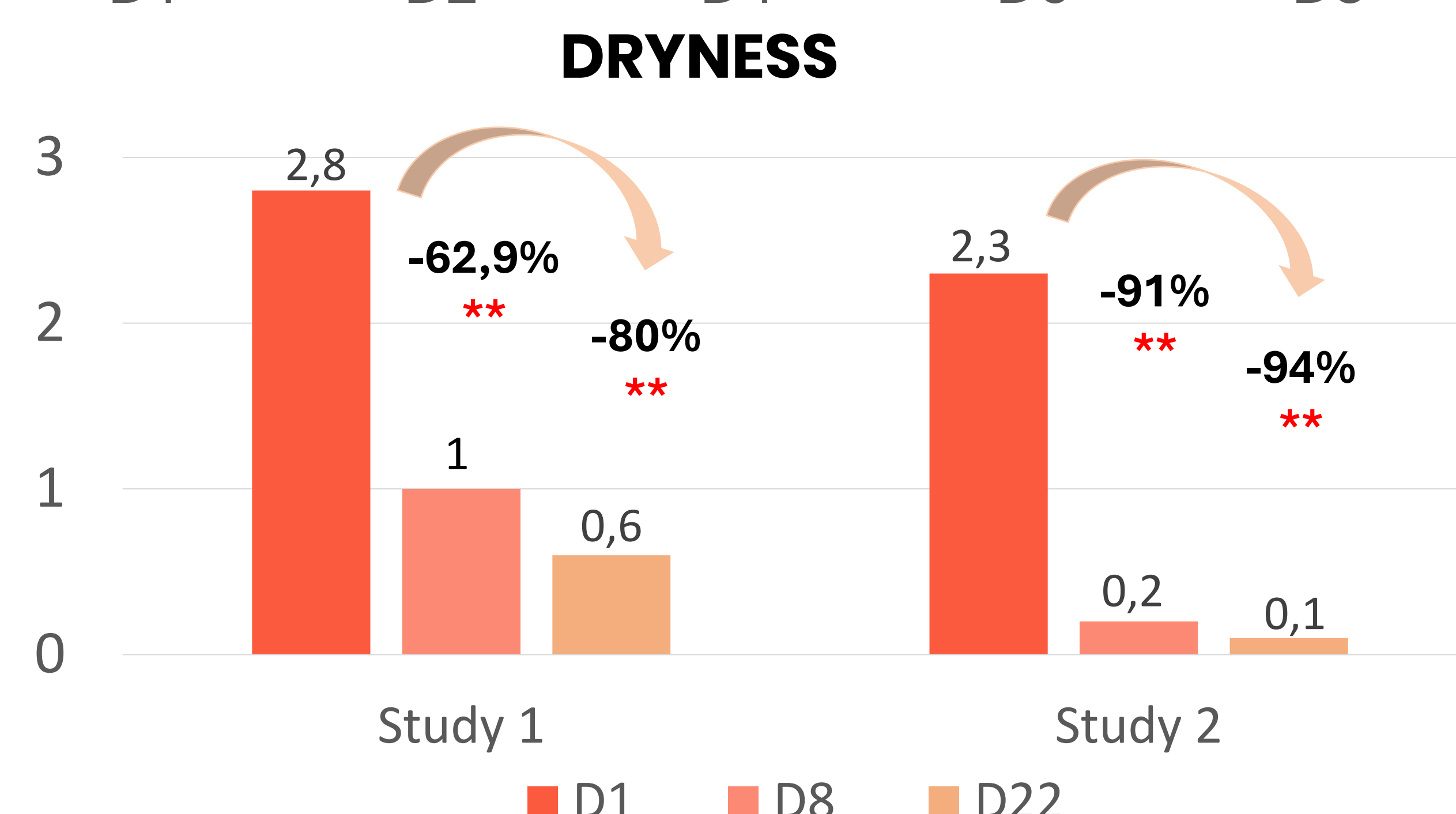
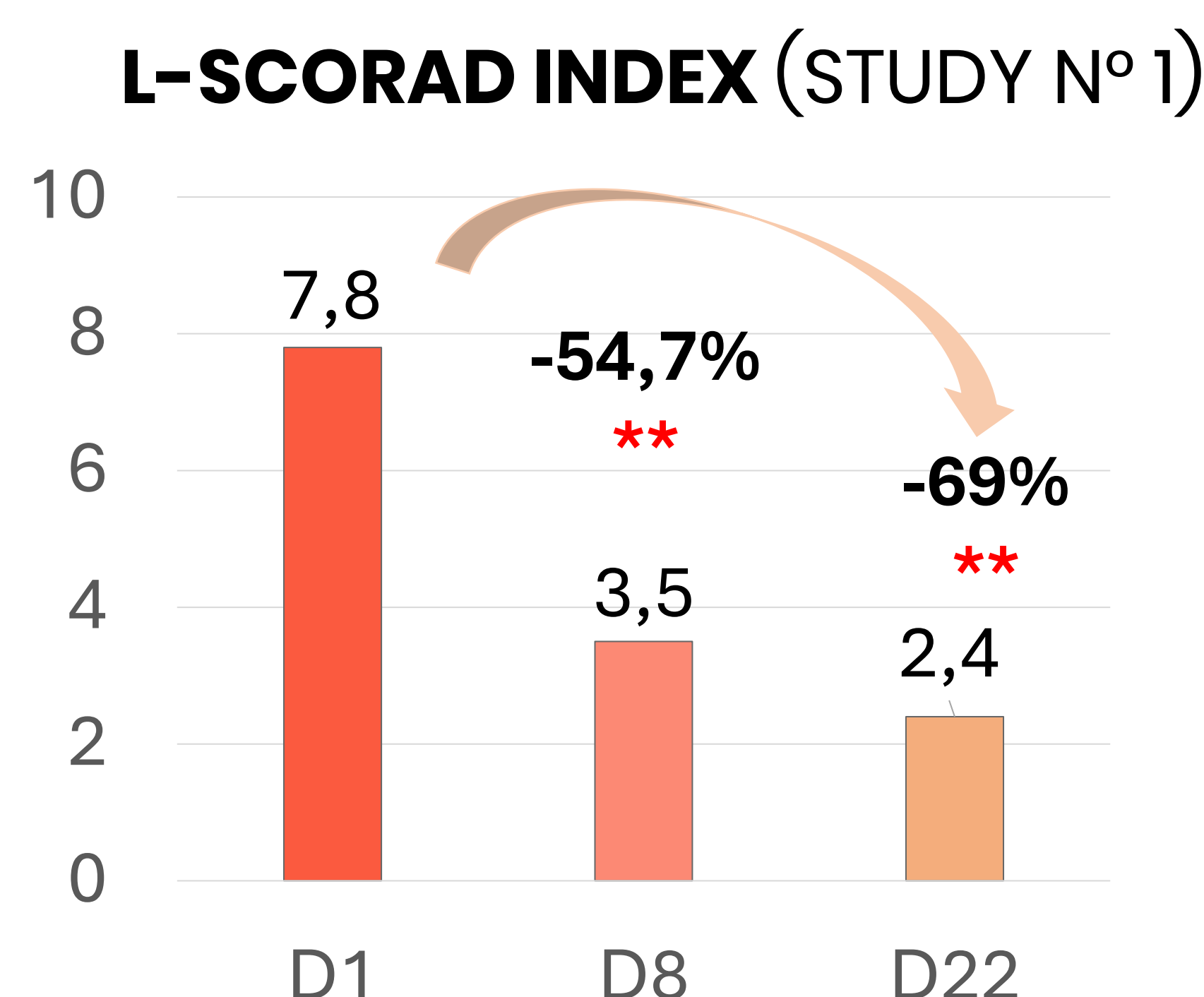
• A significant decrease of the pruritus intensity was observed during the first week in each panel :



**p < 0.005 vs D1



• Skin condition was significantly improved, including dryness :



TOLERANCE

Tolerance was assessed as **good** by investigators.

COSMETIC ACCEPTABILITY

77% (study 1) and **95%** (study 2) declared their **skin immediately soothed** after application. The cosmetic acceptability was assessed as very good with subjects reporting the product as efficient in **reducing intense itching** and their **skin as soothed and more comfortable**.

CONCLUSION

Tolerance and efficacy results as well as the cosmetic acceptability of this new dermo-cosmetic product demonstrated its benefit in the prompt relief of significant pruritus associated with dry skin