P2409

EADV CONGRESS PARIS 17-20 SEPT 2025

EFFECTIVENESS AND TOLERANCE OF AN EXTRACT-BASED SCAR GEL OF AQUAPHILUS DOLOMIAE (C+ RESTORE), DIMETHICONE, HYALURONIC ACID COMBINED WITH A MASSAGE METHOD ON RE-SKINNED POST-BURN AND POST-SURGICAL SCARS: 6-MONTH FOLLOW-UP

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INTRODUCTION

Wound healing is a complex process which aims to restore the physiological function of the skin barrier and ensure skin comfort.

For optimal hydration, hyaluronic acid (HA) is preferred, while silicone-based topical products improve the skin's softness and elasticity, particularly in the post-burn phase.

This study evaluates the benefit and tolerability of a gel containing a patented post-active ingredient **C+ restore**, dimethicone, HA combined with an educational program using a validated massage method, on post-burn scars and surgical scars.

METHODOLOGY

Targeted population: **35 subjects** included aged 2 to 65 years

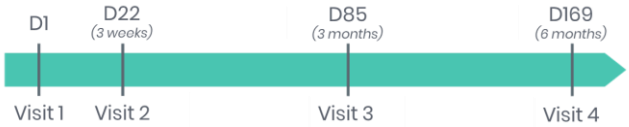
48.6% men
51.4% women

37% (13) post-burn adults (surface ≤ 30% BSA)
11% (4) post-burn children (surface ≤ 10% BSA)
52% (18) post-surgery adults (surface ≤ 15% BSA)

→ with red and **re-epidermised scars** less than 6 months

Methods of product application : 2x a day ; on the scar(s) under study ; application with the **massage technique** developed specifically for product in collaboration with Dr Frasson

Visits: monitored over 6 months



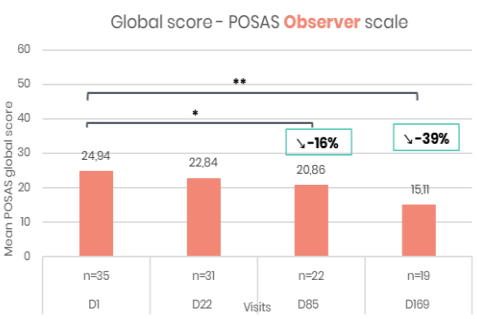
Assessments at each visit:

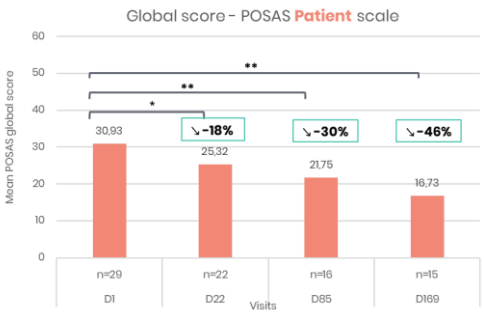
- Patient and Observer Scar Assessment Scale (**POSAS 2.0**);
- Investigator Global Assessment relating to scar appearance (IGA);
- vitro-pressure skin test;
- instrumental assessment of erythema by **chromametry;**
- overall **tolerance** and product satisfaction (investigator and subject).

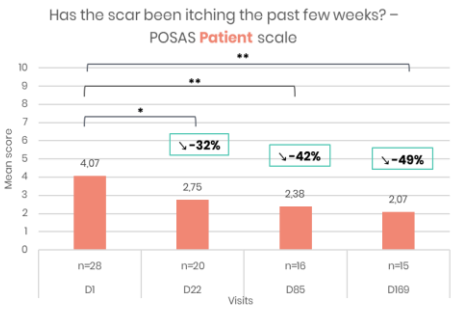
Single-center trial : Ster Center - Lamalou-Les-Bains, France ;
PI: Dr. Frasson (burns specialist)

RESULTS

*p<0.05 (S)
**p<0.001 (HS)







Clinical and Instrumental Scar Assessment Improvements

- ✓ Significant decreases in investigator and subject POSAS scores
- ✓ 74.2% subjects show "marked" or "very marked improvement" at 3 weeks, 81.8% at 3 months and 100% at 6 month in scar appearance
- ✓ Itching score improved by 32% (particularly post-burn) at 3 weeks
- ✓ Scar pain score improved by 43% at 3 weeks
- ✓ Investigator rated scar evolution very satisfactory in 77% at 3 weeks
- ✓ Severity of erythema reduced significantly from 3 weeks to 6 months
- ✓ Excellent tolerance
- ✓ 95% of the subjects satisfied with the product after 3 weeks of use and 100% at 6 months

Post-burn scar (2nd-3rd degree) with partial mesh skin graft (median case)

CONCLUSIONS

This clinical and instrumental study with 6-month follow-up suggests the benefit and excellent tolerance of the scar gel (C+ restore, dimethicone and acid) combined with the massage technique in the aftermath of scarring post-burns and post-surgery in the short and medium term. The dermocosmetic product also improves the softness and skin elasticity.