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ENHANCING AND MAINTAINING THE LONG-TERM BENEFITS OF SUPERFICIAL PEELING PROCEDURE WITH A NEW DERMOCOSMETIC CREAM CONTAINING RETINALDEHYDE, NIACINAMIDE, AND HARITAKI FRUIT EXTRACT: A COMPARATIVE RANDOMIZED INTRA-INDIVIDUAL SPLIT-FACE STUDY

Camille Béziat Monteil[1], Emma Guillou[2], Gautier Doat[2], Thérèse Nocera[1]

[1]R&D Department Pierre Fabre Dermo-Cosmetics & Personal Care, Toulouse, France

[2]Medical Department, Laboratoire Dermatologique Eau Thermale Avène, Lavaur, France

INTRODUCTION

Minimally invasive dermatological rejuvenation procedures are widely used to address signs of ageing and enhance skin quality due to their effectiveness. Dermocosmetics play a significant role in dermatologist's range of treatments after anti-ageing procedures: they contribute to improve recovery and maintain procedure benefit.

The objective of this study was to demonstrate that a **new dermocosmetic** product containing retinaldehyde, niacinamide and a dry extract of Terminalia chebula can **maintain and/or improve anti-ageing results after superficial glycolic acid peels (30–50%).**

METHODOLOGY

Monocentric, intra-individual controlled, randomized split-face study. The study lasted 98 days with different time points: at day 1 (D1, inclusion visit + face peeling), D8 (baseline, after reepidermization thanks to repairing product), 1 month (M1), 2 months (M2) and 3 months (M3).

Targeted population: **22 subjects** included aged 38 to 68 years

1 man
21 women

Phototypes I to IV
All skin types were included following a minimally invasive face rejuvenation procedure **(peeling 30 or 50% glycolic acid).**

Methods of product application : They applied the product **once daily** on randomized half of the face, neutral cream on the other half.

Assessments at each visit:

Compared treated area versus non treated area, anti-ageing efficacy was evaluated via in vivo clinical scoring:

- wrinkles/fine lines,
- firmness of the skin,
- skin plumpness
- radiance,
- homogeneity of skin tone,
- skin texture

Tolerance was assessed by the dermatologist and acceptability questionnaire was answered by subjects at the end of the study.

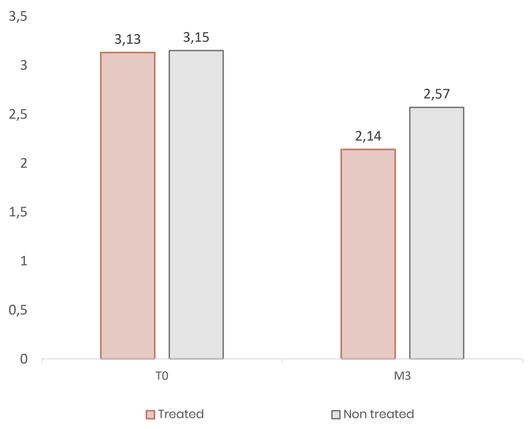
RESULTS

Significant improvement of all clinical parameters:

**p<0.05 vs D1*

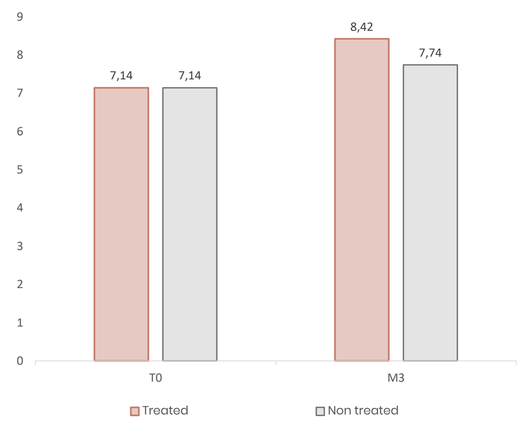
***p<0.001 vs D1*

Crow's feet wrinkles



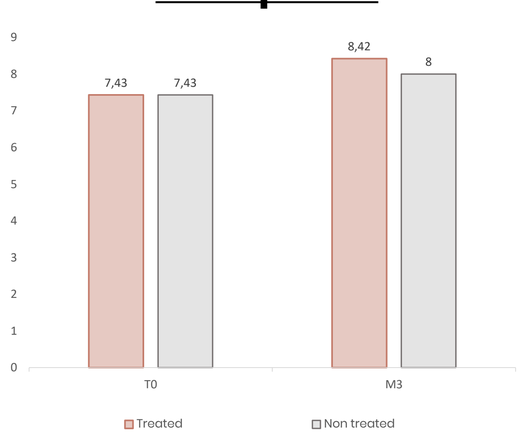
→ **-13%* in favour of Treated**

Firmness



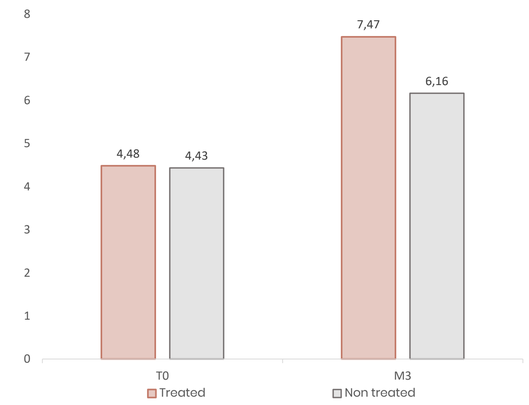
→ **+10%* in favour of Treated**

Plumpness



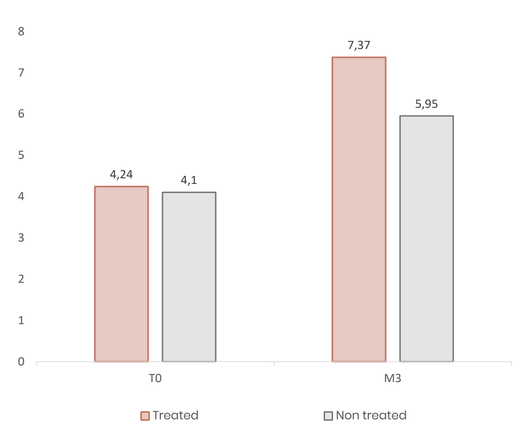
→ **+6%* in favour of Treated**

Radiance



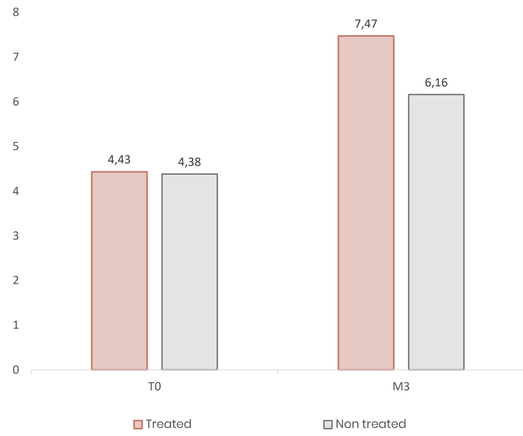
→ **+28%** in favour of Treated**

Homogeneity of skin tone



→ **+29%** in favour of Treated**

Texture



→ **+28%** in favour of Treated**

Subject 64

TOLERANCE

Tolerance was deemed moderate by the dermatologist. Only usual and expected cutaneous side effects were observed.

ACCEPTABILITY

90% of the subjects reported a satisfaction score ≥5 (on a 10-point scale) regarding the skin aspect and the enhancement of the procedure.

CONCLUSIONS

This comparative controlled study demonstrated good anti-ageing results after receiving a dermatological peeling, using a robust intra individual design. Incorporating dermocosmetics into a post-procedure skincare routine can improve the results of anti-ageing procedure by maintaining and enhancing the procedure benefit.