

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

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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.

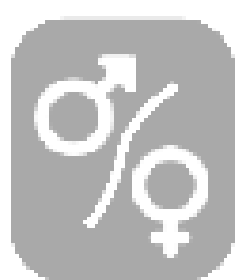
The objective of this study was to demonstrate that a **new dermocosmetic** product containing retinaldehyde, niacinamide and a Haritaki fruit extract can **maintain and/or improve antiaging results after fractional ablative CO2 laser**.

METHODOLOGY

Monocentric, intra-individual controlled, randomized split-face study. The study lasted 98 days with different time points: at day1 (D1, inclusion visit + face laser), D8 (baseline, after reepidermization thanks to repairing product), 1 month (M1), 2 months (M2) and 3 months (M3).



Targeted population: 21 subjects included aged 35 to 64 years

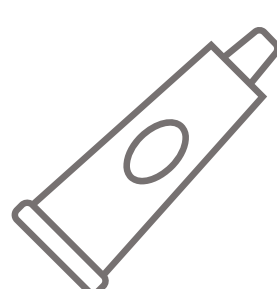


21 women



Phototypes I to IV

All skin types were included if they had planned a fractional ablative CO2 laser on full face, including the crow's feet.



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:

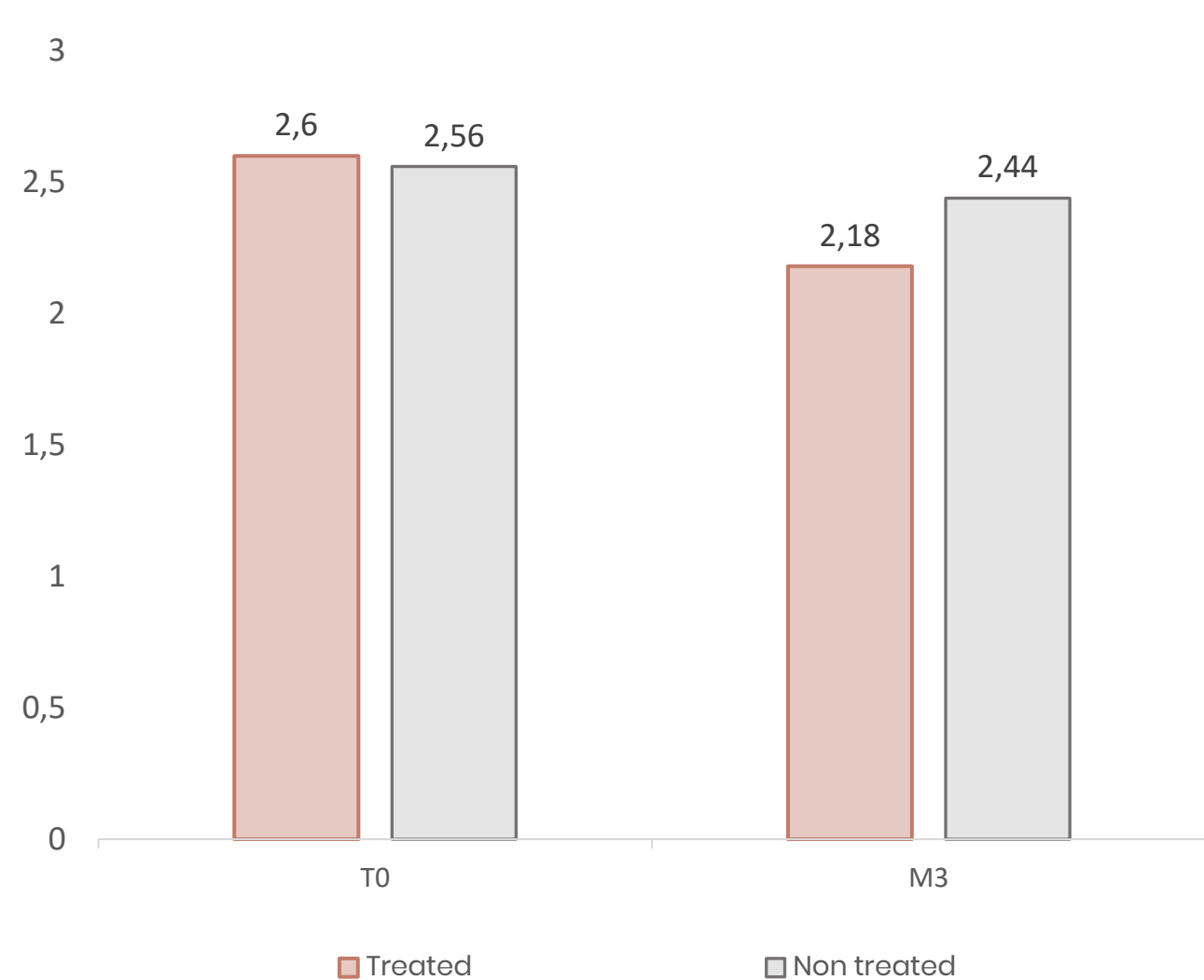
- wrinkles/fine lines,
- firmness of the skin,
- skin plumpness
- radiance,
- homogeneity of skin tone,
- skin texture

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

RESULTS

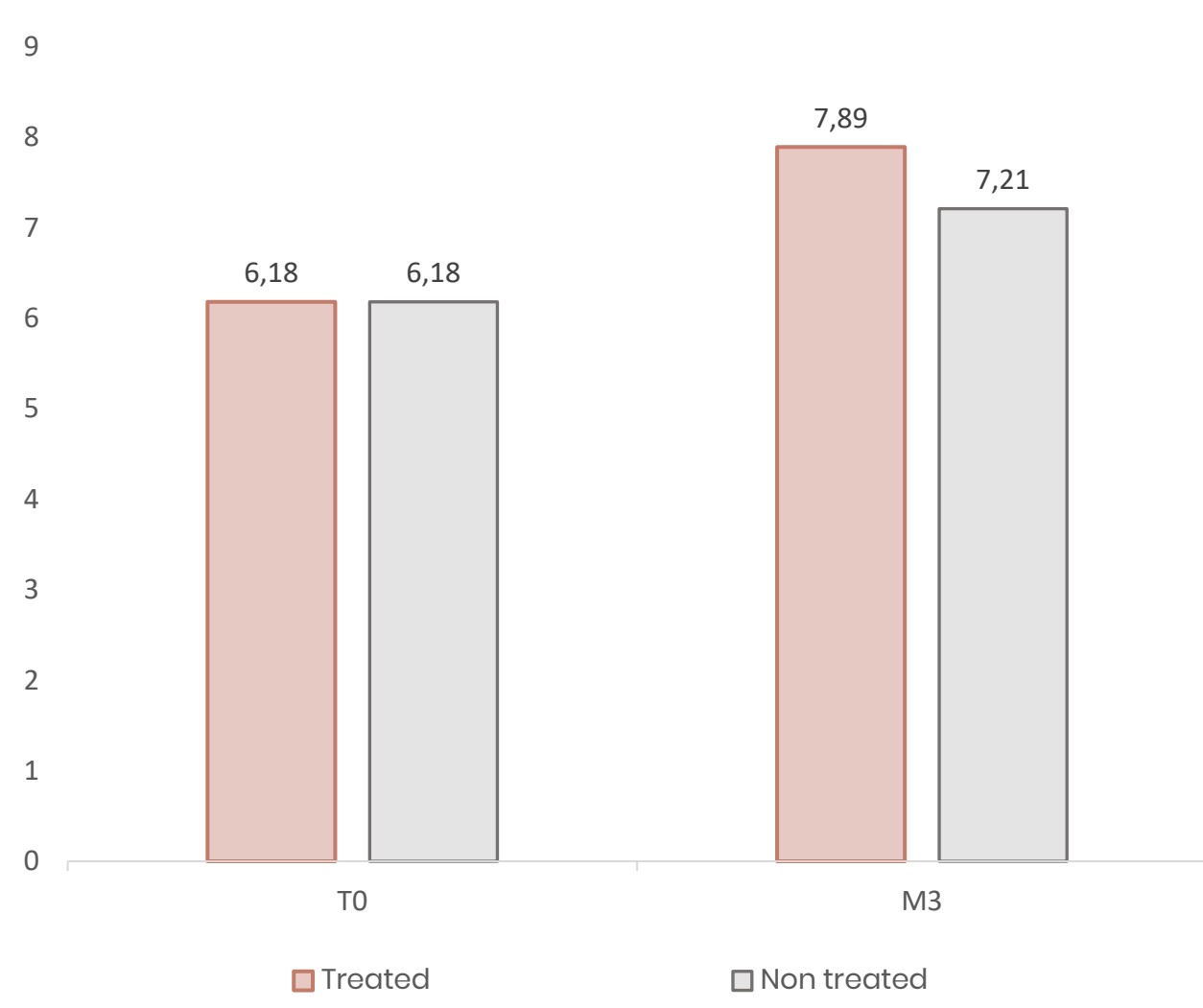
Significant improvement of all clinical parameters:

Crow's feet wrinkles



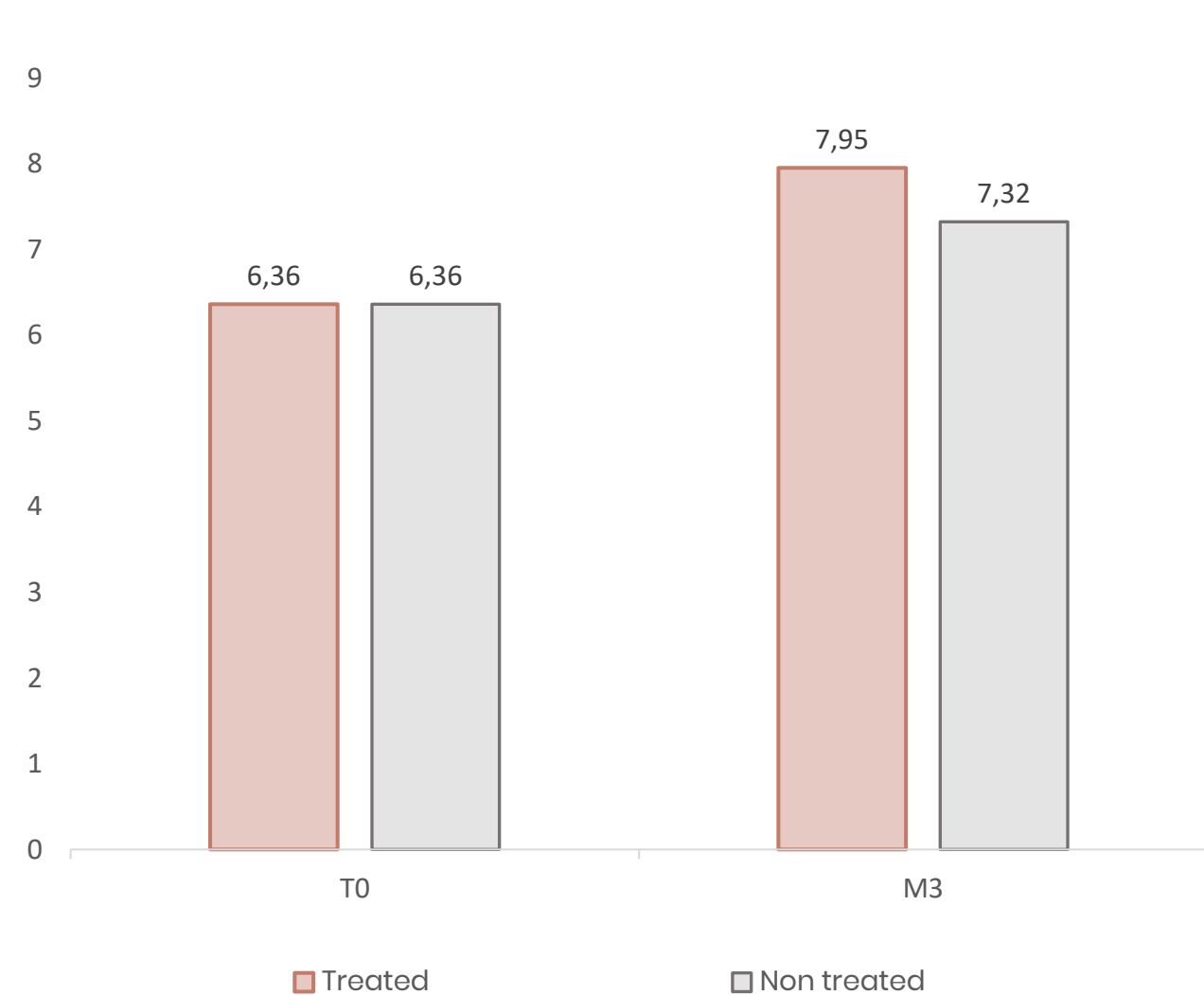
→ -11%* in favour of **Treated**

Firmness



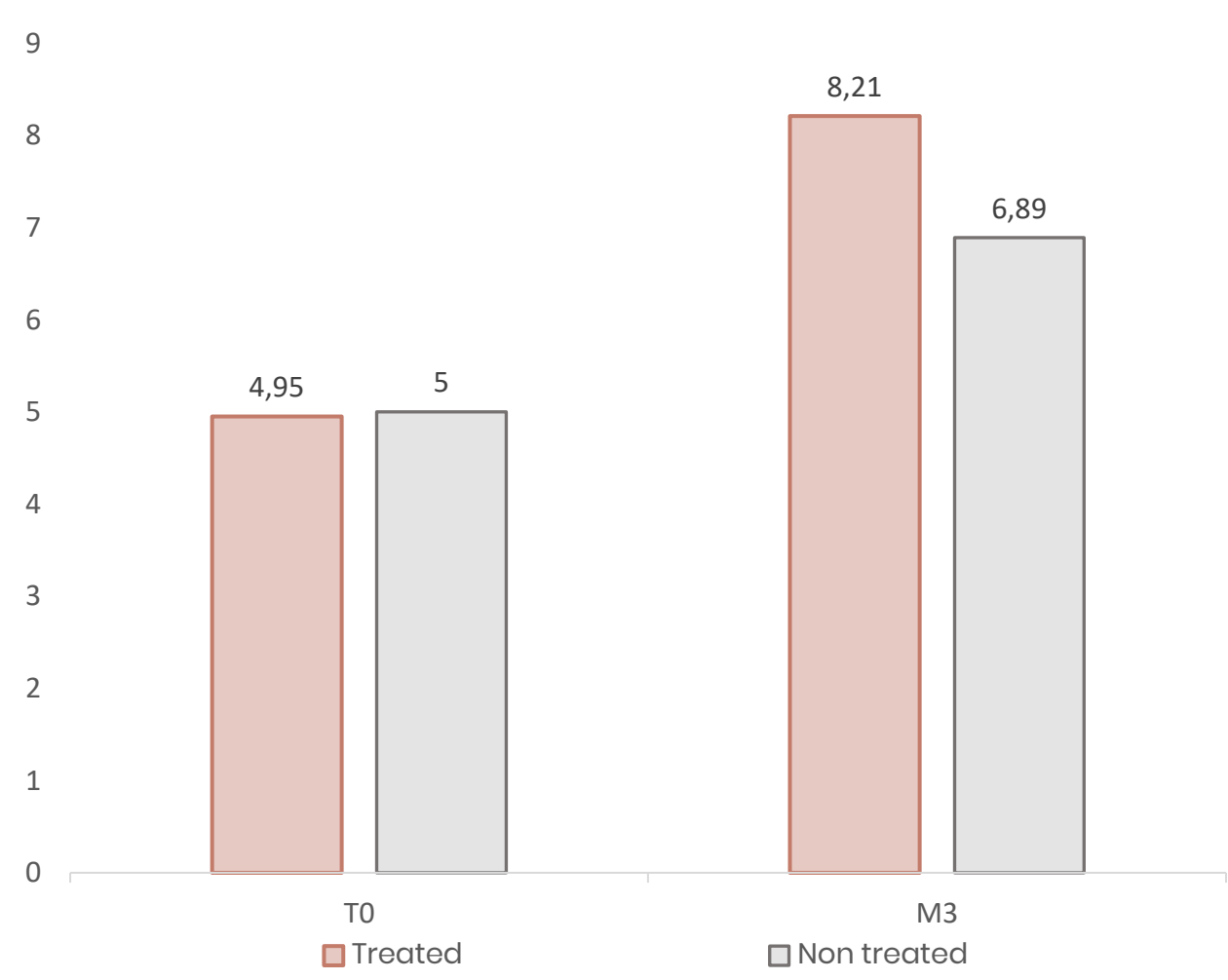
→ +11%* in favour of **Treated**

Plumpness



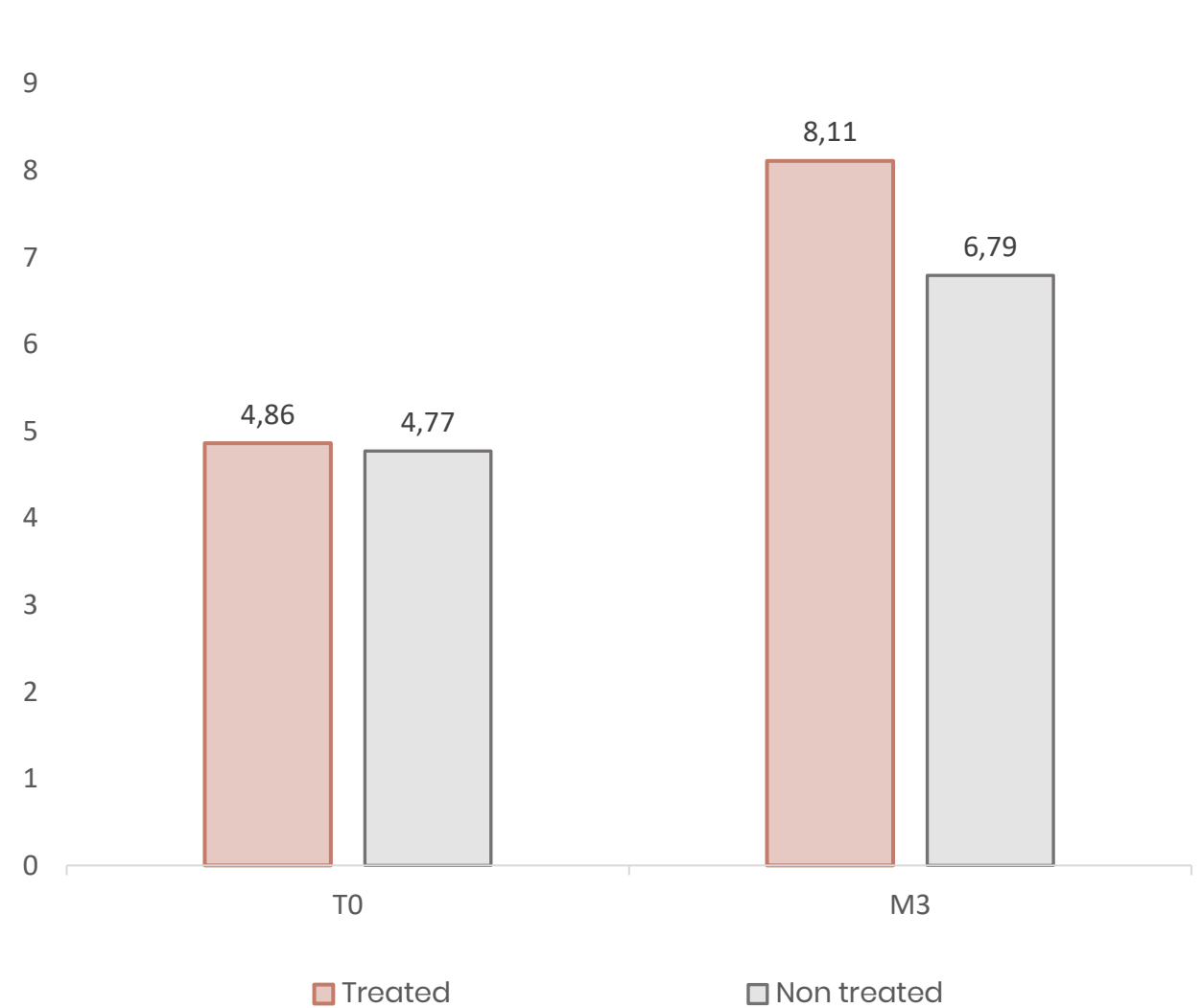
→ +10%* in favour of **Treated**

Radiance



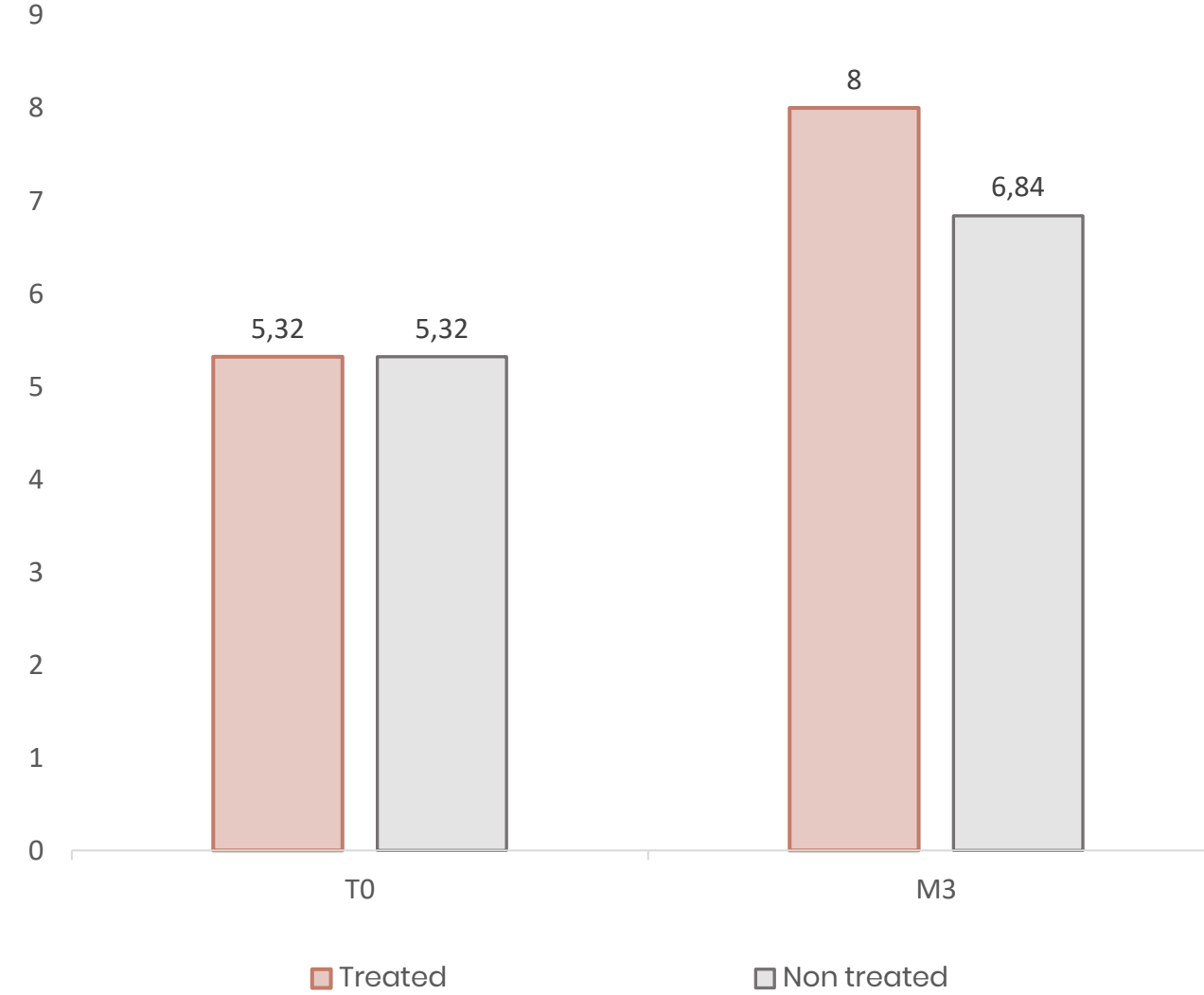
→ +28%** in favour of **Treated**

Homogeneity of skin tone



→ +24%** in favour of **Treated**

Texture



→ +22%* in favour of **Treated**

*p<0.05 vs D1

**p<0.001 vs D1

Treated

T0

Non treated



M3

Subject 29

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 laser, 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.