

# EFFICACY AND TOLERABILITY OF A PREBIOTIC-CONTAINING MULTIPURPOSE HEALING BALM IN THE MANAGEMENT OF SKIN IRRITATION OF VARIOUS ETIOLOGIES ACROSS PHOTOTYPES, LOCALIZATIONS AND AGES

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## INTRODUCTION

Superficial wounds or irritations are frequent among kids and adults and deserve proper skin care to accelerate skin healing and prevent scarring. The role of skin microbiome in the process of wound healing is getting greater importance<sup>1</sup>. In these situations, skin repair products need to be well tolerated, to quickly relieve pain and support a rapid skin healing. Data regarding the clinical benefits of such products in different indications, across different age groups and including all phototypes have not yet been reported. The tested product was a dermocosmetic containing 2 prebiotic active ingredients (APF, a biomass grown in La Roche Posay thermal water, and Tribioma, a prebiotic complex of ferments, sugar and plant extract) associated with repairing active (Panthenol, Madecassoside and Zinc).

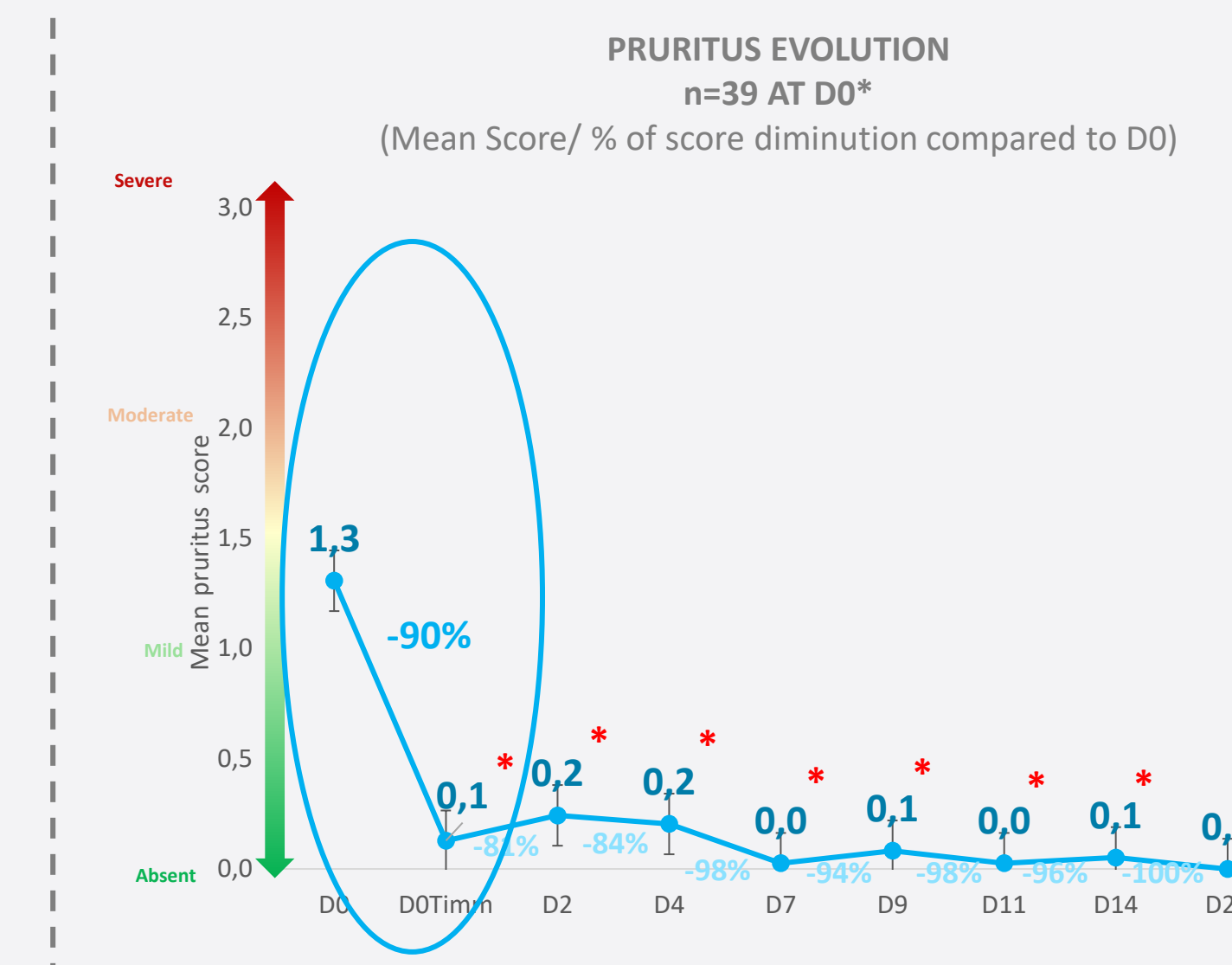
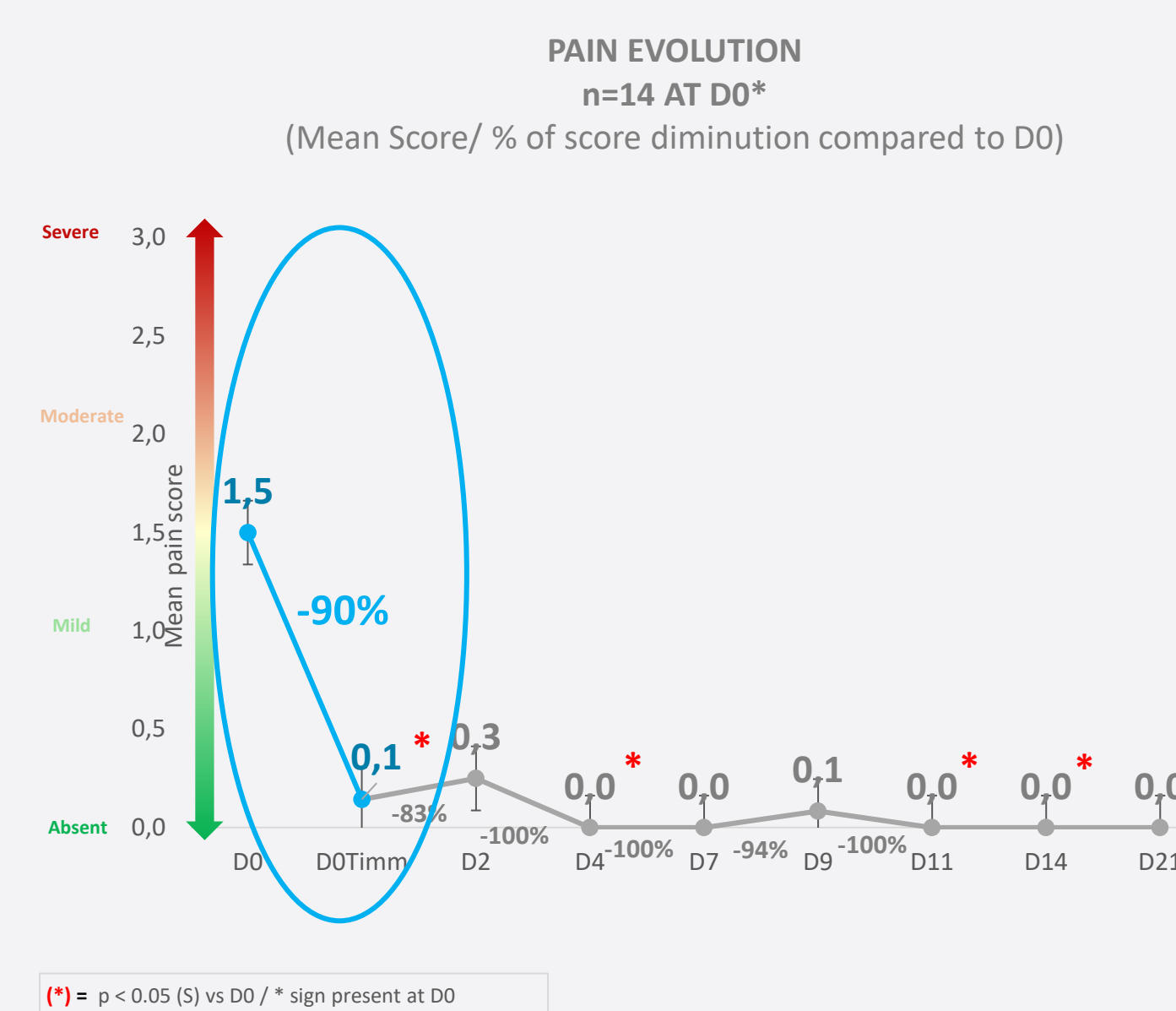
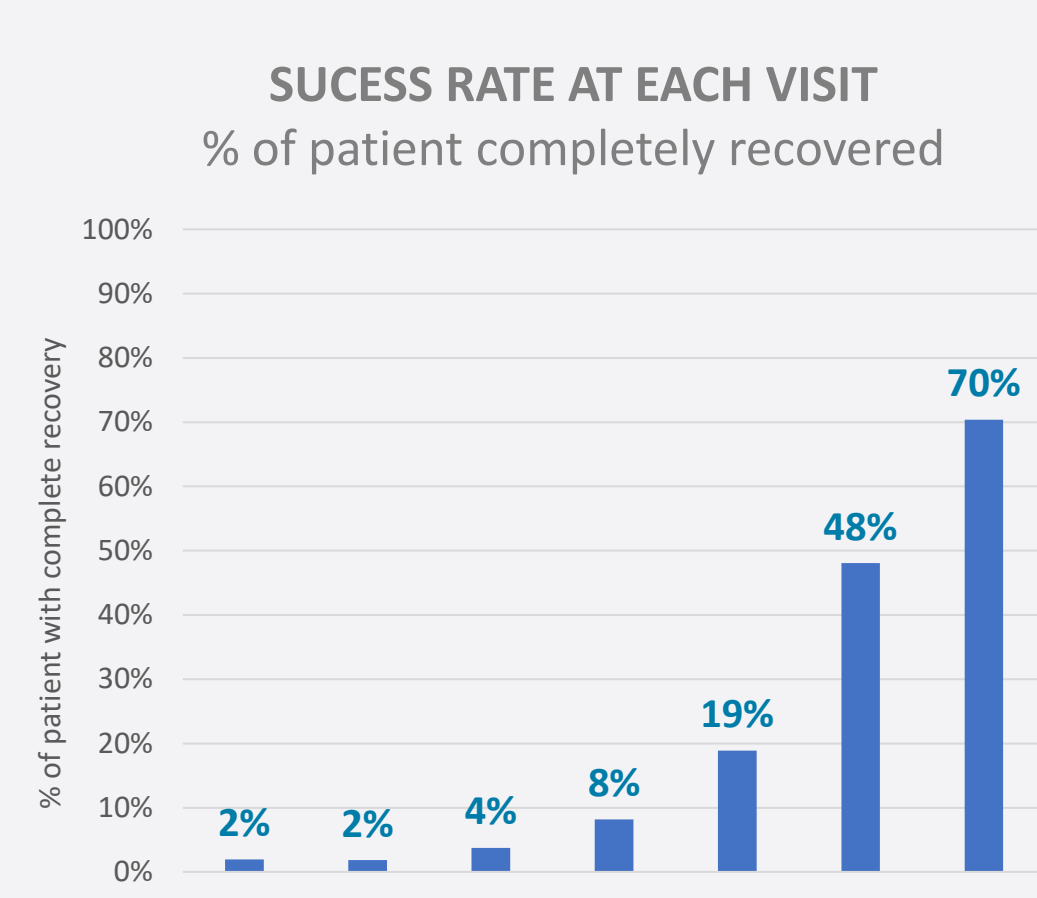
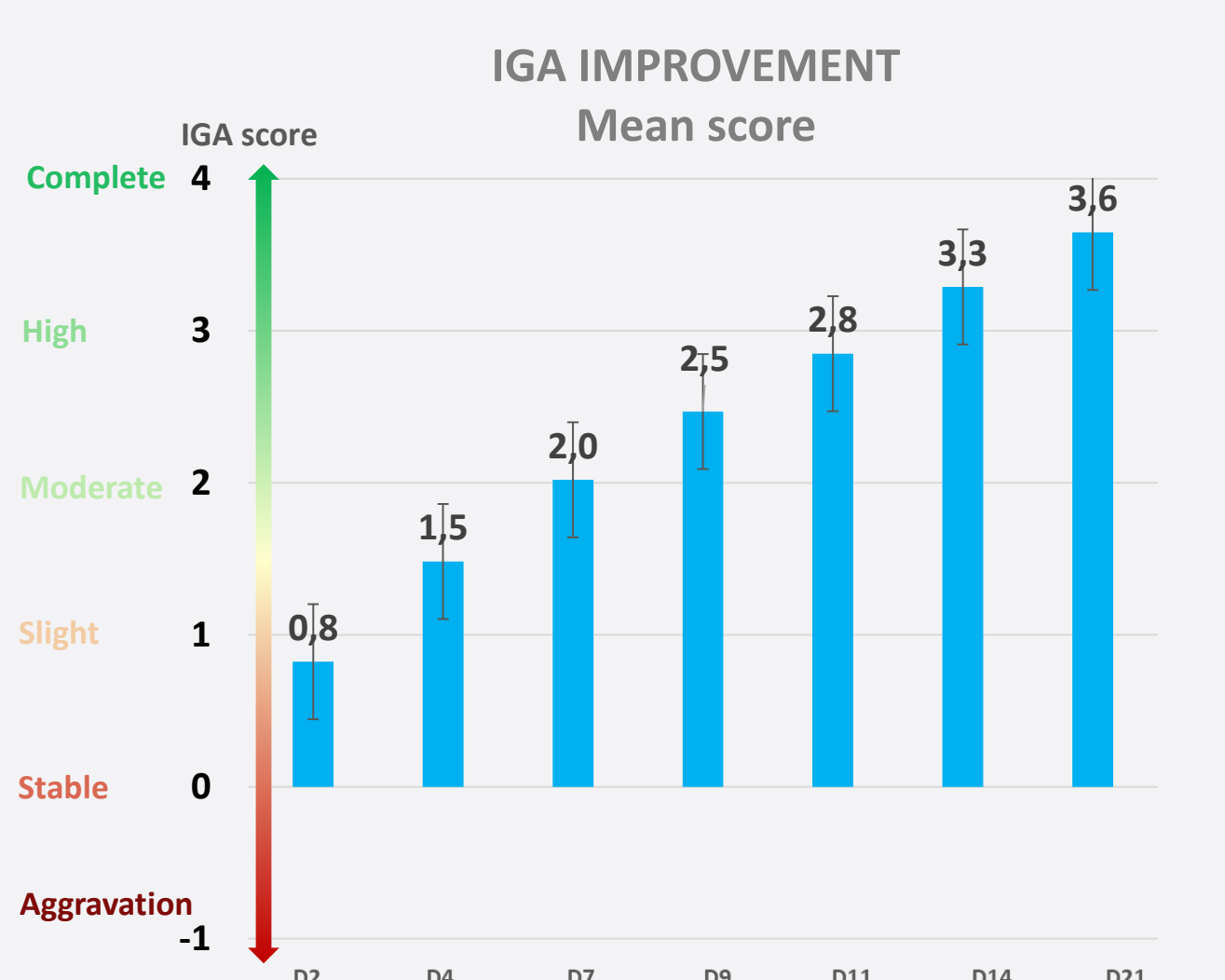
## MATERIAL & METHODS

This open-label non-comparative study was to investigate the efficacy and tolerability of prebiotic-containing healing balm in the management of skin irritation of various etiologies across all phototypes, localizations and ages. The study was conducted in two centers (Poland, n=27 and Mauritius, n=27) in males and females of Fitzpatrick phototypes I to V, aged from 3 to 70 years, with various kinds of superficial wounds and / or irritations on skin and semi-mucous membranes. The product was applied at least twice daily for 21 days. If lesions healed after 14 days, the study was stopped. Evaluations were conducted by a dermatologist as per: IGA for improvement, success rate (corresponding to IGA 3 and 4), pain and pruritus, post-recovery marks, local tolerance. Special attention was given at generating accurate skin images using close-up shots (Skincam®).

## RESULTS

Success was obtained in 90% of subjects at Day 21 with 70% experiencing total recovery:

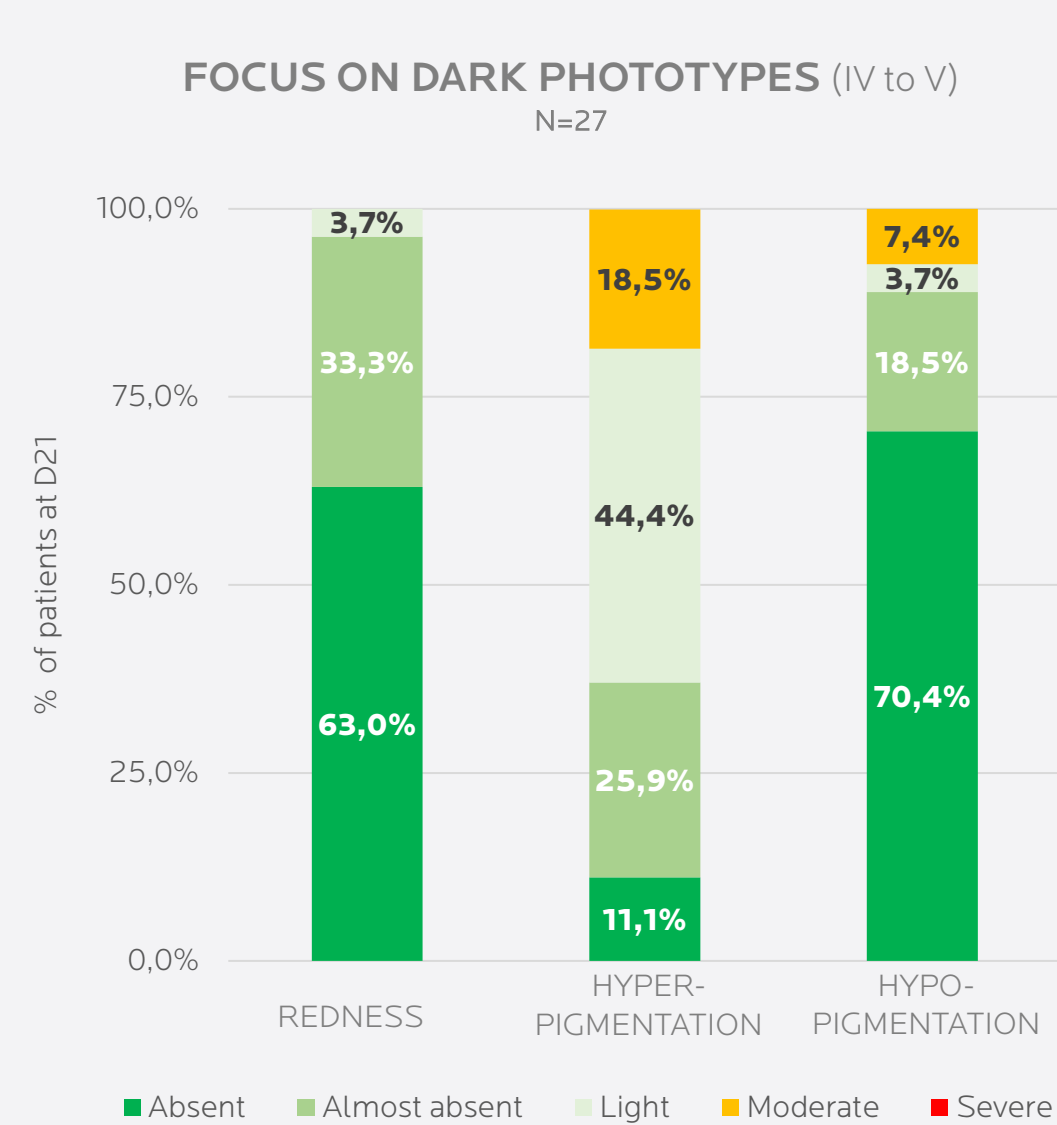
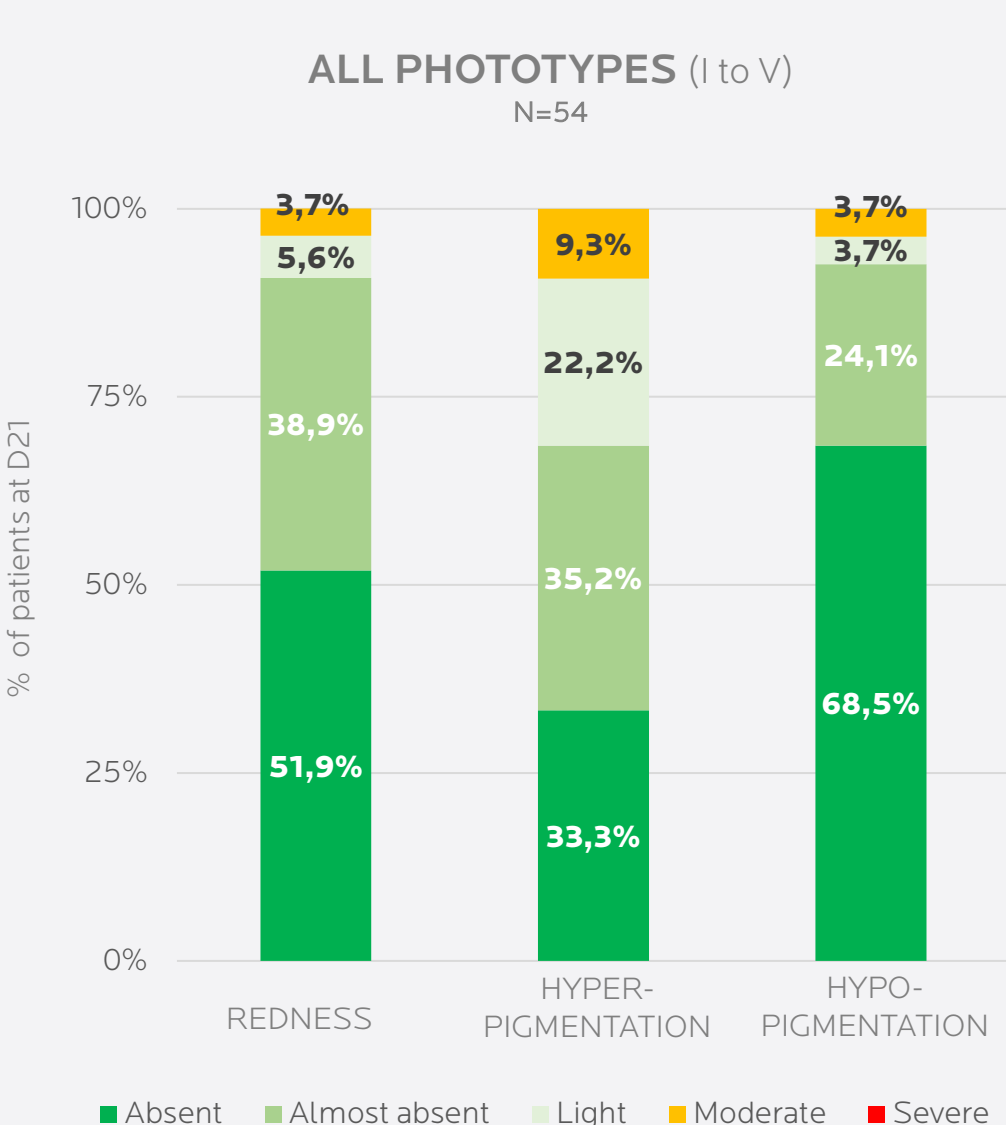
Pain and pruritus nearly disappeared after the first application of the product.



Post-recovery marks were absent or almost absent for most patients and no severe post-recovery marks were observed after 21 days, even in dark phototypes:

Local tolerance was considered good or excellent for 98% of dermatologists immediately after the first application and for 100% of dermatologists at every next visits. Subgroup analysis showed consistent efficacy across ages, localizations, phototypes and etiologies.

### POST RECOVERY MARKS

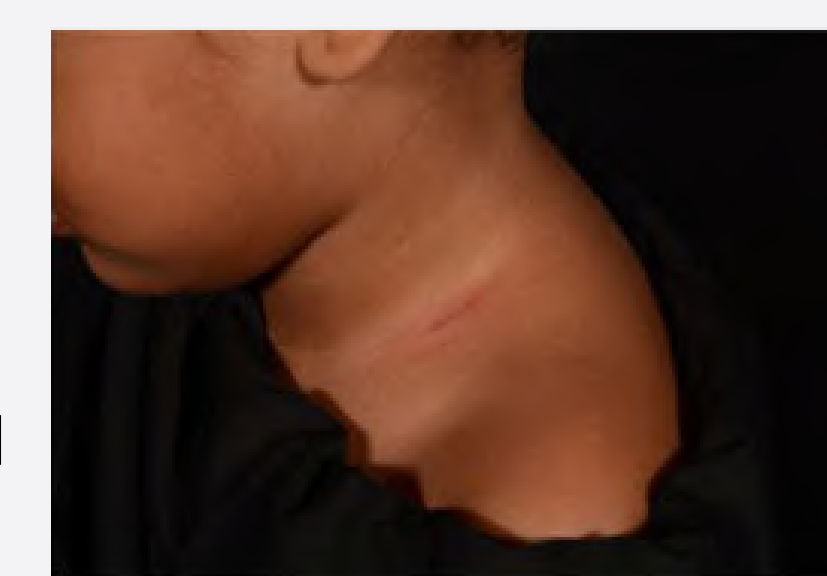


### RUBBING IRRITATION

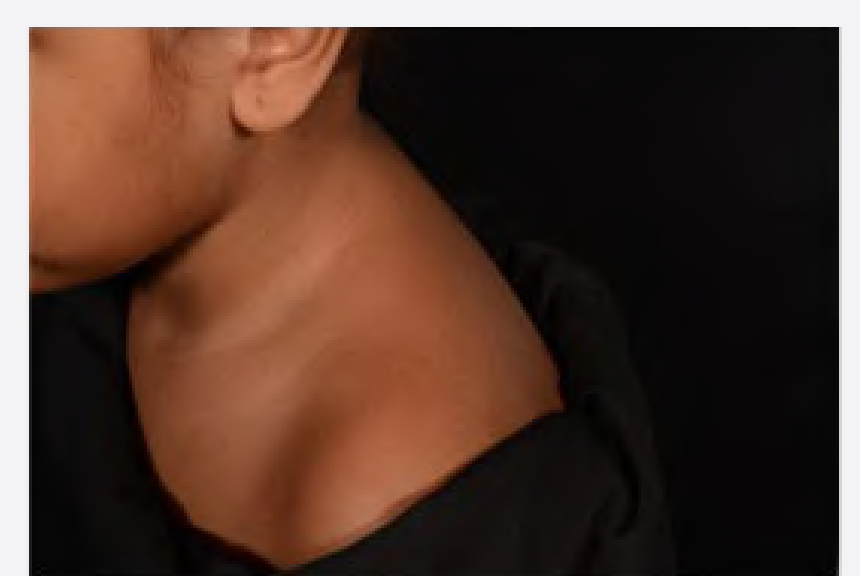
The following pictures illustrate efficacy:

Patient n°1\_ Mauritius

D0



D14



### RUBBING IRRITATION

Patient n°4\_ Mauritius

D0



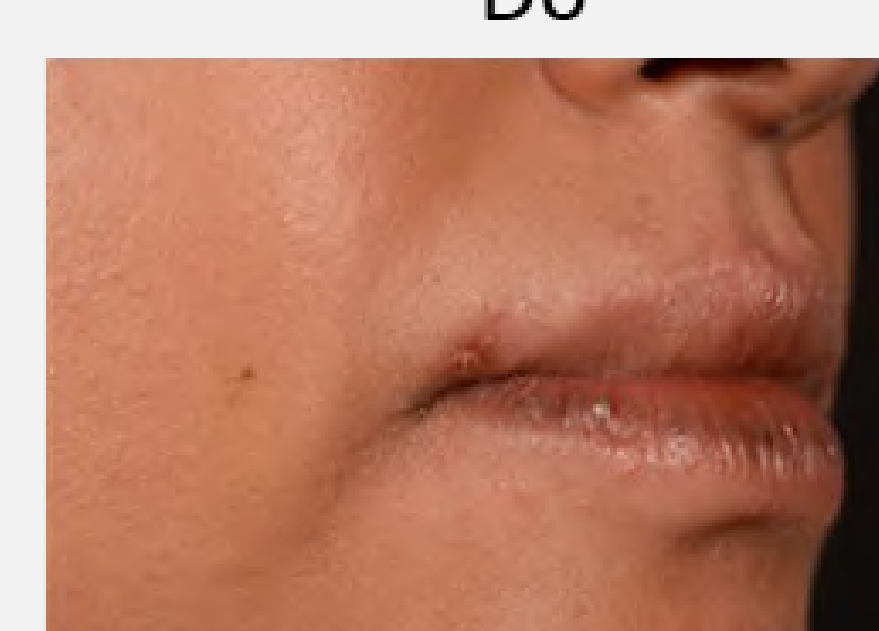
D14



### CHEILITIS

Patient n°2\_ Mauritius

D0



D14



## CONCLUSION

The study showed the efficacy of a prebiotic and panthenol-containing multipurpose healing balm in various nonspecific superficial wounds over 21 days with a success rate of 90% across wide range of phototypes, ages and localizations including lips and genitals. Hyperpigmentation was contained and an immediate calming effect was observed.

### References:

1. Canchy L, Kerob D, Demessant A, Amici JM. Wound healing and microbiome, an unexpected relationship. J Eur Acad Dermatol Venereol. 2023;37 Suppl 3:7-15.