ABSTRACT BOOK ABSTRACTS



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AESTHETIC AND COSMETIC DERMATOLOGY (LASERS SEPARATE CATEGORY)

FOCUS ON THE EFFECTS OF A CREAM CONTAINING RHEALBA OAT PLANTLETS EXTRACT, L-ALA-L-GLU DIPEPTIDE AND HYALURONIC ACID ON THE REDUCTION OF STRIAE DISTENSAE.

M Saint Aroman⁽¹⁾ - T Aardewijn⁽¹⁾ - Ms Darde⁽²⁾

Pierre Fabre Dermo Cosmétique, A-derma, Lavaur, France⁽¹⁾ - Pierre Fabre Dermo Cosmétique, Clinical Development, Toulouse, France⁽²⁾

Introduction: Striae distensae (SD), or stretch marks are a common cutaneous condition associated with continuous and progressive stretching of the dermis. They are often encountered in states in which hormonal alterations occur. There are two forms of SD; striae rubrae (acute) and striae albae (chronic). The first one is characterized by the initial erythematous, red and stretched flat lesions whereas the second appears hypopigmented and wrinkled.

Patients with striae rubrae require a reduction in pigmentation and erythema, whilst reducing pruritus, which is common in early striae.

Objective: The objective of this study was to determine the efficacy of a massage cream based on Rhealba Oat plantlets extract, L-ALA-L-GLU dipeptide and Hyaluronic Acid on striae rubrae.

Material and Methods: An efficacy study was conducted to evaluate the anti-redness properties of the tested product and its effect on pruritus. We used the product on subjects having bilateral immature stretch marks on the abdomen, hips and thighs.

SD visibility was evaluated by clinical score after the first application then at D29, D57 and D85 whereas anti-redness properties were tested by colorimetric analysis. Pruritus was assessed through VAS score on the "pruritus analogue scale" after the first application at D1 and then at D29, D57 and D85.

Results: Clinical scoring demonstrated that the tested product significantly (p<0,05) decreases the stretch marks visibility from D29, which was also demonstrated by the significant decrease of Vascular Density revealed by colorimetric analysis.

Pruritus was also significantly (p<0,05) decreased after the first application at D1.

Conclusion: SD are common dermal lesions, with a significant physical and psychological











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impact. Many therapeutic modalities are available, but none can completely eradicate SD. In this context, our massage cream with anti-redness and anti-pruritus properties represents a relevant option in treating SD and its functional signs.



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