EVALUATION OF THE EFFICACY OF A NEW DERMO-COSMETIC PRODUCT CONTAINING SILYBUM MARIANUM FRUIT EXTRACT AND NIACINAMIDE IN YOUNG ACNE ADULTS: FOCUS ON ACNE LIPID PROFILE



Lucille DARRAS^{1,4}, Clara JINYOUNG KIM¹, Thérèse NOCERA¹, Celia IPINAZAR¹, Jérôme FILIOL¹, Amaury ALVES³, Alicia LEMAIRE-ZADY¹, Christophe LAUZE¹, Hela COUBETERGUES ¹, Razvan MARINESCU¹, Gautier DOAT ², Aline STENNEVIN², Isabelle FOURNIER⁴, Gwendal JOSSE¹

1. R&D Department, Pierre-Fabre Dermo-Cosmétique & Personal Care, Toulouse, France 2. Medical Department, Laboratoires Dermatologiques Eau Thermale AVENE, Lavaur, France

3. IPPON, Toulouse France

4. Lille University, Inserm, University Hospital Center Lille, U1192 - Protéomique Réponse Inflammatoire Spectrométrie de Masse - PRISM, F-59000 Lille, France

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INTRODUCTION

Acne vulgaris is a common inflammatory dermatological condition with a multifactorial etiology, primarily affecting adolescents and young adults, characterized by the presence of comedones, papules, pustules and in severe cases, cysts and nodules. Dermocosmetic products play a well-established role in managing mild to moderate acne or used in association of medical treatment. In the present study, we evaluated the benefit of an optimized anti-acne formula containing both Silybum marianum fruit extract (SMFE) and

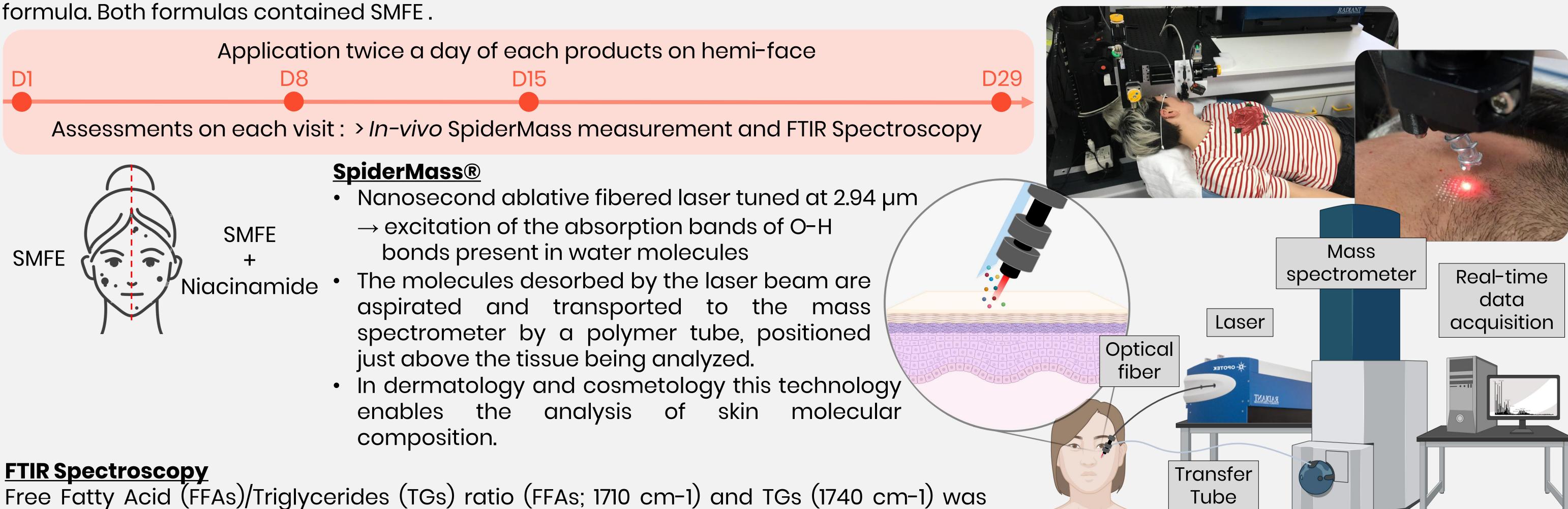
niacinamide in restoring of a healthy skin lipid profile assessed by epidermal non-invasive methods.

calculated and used as an indicator of microbiotic lipase activity and thus sebum quality.

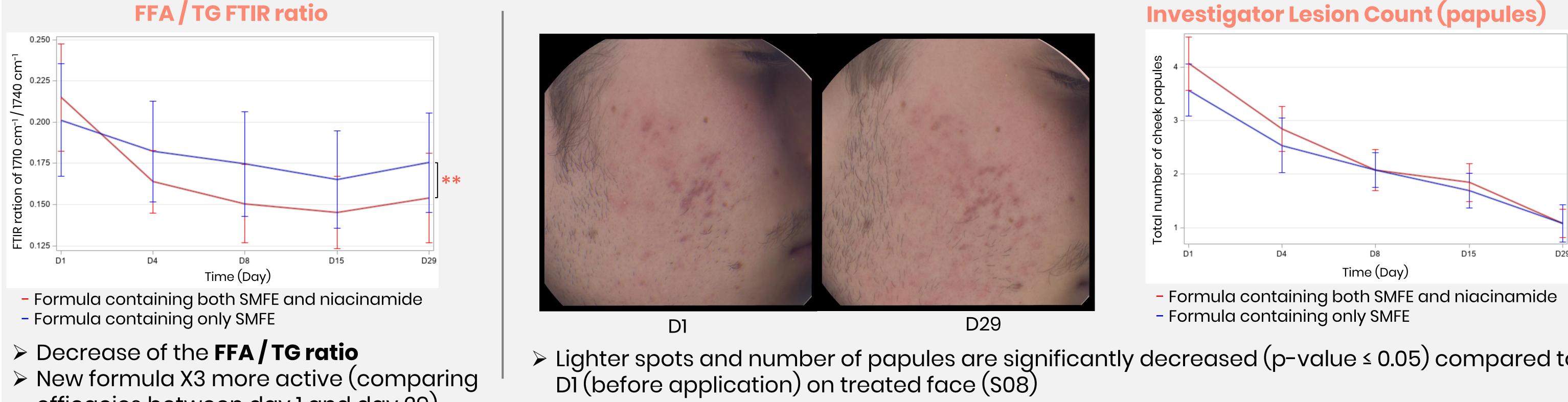
MATERIALS AND METHODS

Study

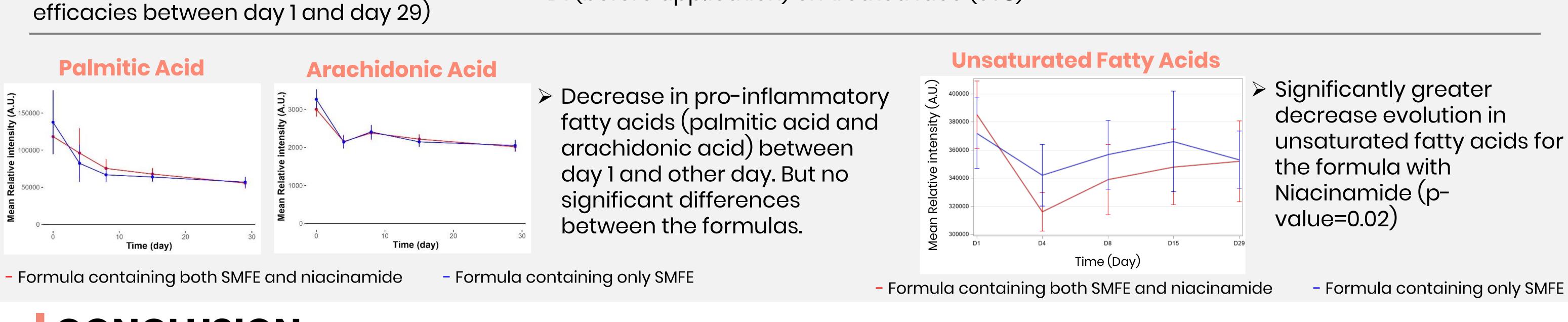
14 adults aged 18-30 years presenting with mild to moderate facial acne according to Global Evaluation Acne (GEA) scale with 15 to 50 total acne lesions on the face (excluding the nose area) with at least 6 inflammatory lesions in the target areas, were consented and enrolled in a 29 days study. Split-face clinical study, comparing the efficacy of the optimized product formula containing niacinamide in comparison to the regular



RESULTS



> Lighter spots and number of papules are significantly decreased (p-value ≤ 0.05) compared to



CONCLUSION

This comparative randomised clinical study demonstrated that this new dermocosmetic face care, containing Silybum marianum fruit extract and niacinamide, is well tolerated and provides significant benefits in mild to moderate acne-prone skin by restoring a healthier skin lipid profile, characterized by a lower FFA/TG ratio; a lower unsaturated lipid content and by improving acne lesions count within the first month of daily use.