



ACNE, ROSACEA, AND RELATED DISORDERS (INCLUDING HIDRADENITIS SUPPURATIVA)

EVALUATION OF THE EFFICACY AND SAFETY OF RETINOIDS COMBINATION IN THE TREATMENT OF MILD-MODERATE ACNE IN ASIAN POPULATION.

Ma. Teresita Gabriel⁽¹⁾ - Marie Socouer Oblepias⁽¹⁾ - María Vitale⁽²⁾

Fpds, Research Institute For Tropical Medicine, Manila, Philippines⁽¹⁾ - Cantabria Labs, Medical Affairs, Madrid, Spain⁽²⁾

Introduction: Acne is a chronic disease which has significant physical and psychological impact in different age groups. It is vital to institute an effective treatment to obtain a fast control of the disease, minimizing the lesions and to avoid the post-inflammatory hyperpigmentation and the issue of antibiotic resistance.

Objective: To evaluate the efficacy and safety of anti-acne formulation based on the combination of two Retinoids (retinol in glycospheres and hydroxypinacolone retinoate), Retinsphere, an antimicrobial peptide (Biopep-15), salicylic acid and vitamin E in the treatment of mild-moderate acne in Asian population.

Methods: Multicenter, prospective and open clinical trial of 4 months duration, that involved 30 Filipino subjects with mild to moderate acne. The average age was 21.50. Primary parameters of effectiveness were quantitatively measured by lesion count and sebum measurement (Sebumeter® SM815) on baseline, days 45, 90 and 120. Tolerance and adverse events were recorded at all visits.

Results: The median number of open and closed comedones as well as papules continuously decreased over time with a statistically significant difference between baseline and day 120 ($p < 0.00001$). Sebumeter values showed a significant reduction of 56,8% (88 $\mu\text{g}/\text{cm}^2$ at baseline versus 38 $\mu\text{g}/\text{cm}^2$ at final visit). Overall satisfaction was rated as good/very good in 93% of the patients. Acne QOL significantly increased from 47.13 at baseline to 91.13 at day 120.

Conclusion: The anti-acne formulation based on the combination of retinoids and Biopep-15 showed to be a very safe, well-tolerated and efficacious treatment for acne in Filipino patients. It reduces acne lesions and improves skin condition with minimal adverse events.

