



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

DERMATOSCOPY AND REFLECTANCE CONFOCAL MICROSCOPY AS TOOLS TO EVALUATE THE EFFECTIVENESS OF TOPICAL PRODUCT BASED ON AZELAIC ACID 15% IN ROSACEA PATIENTS.

Mirella D'andrea⁽¹⁾ - Maria Ferrillo⁽¹⁾ - Maria Vastarella⁽¹⁾ - Caterina Mazzella⁽¹⁾ - Anna Perrotta⁽¹⁾ - Gabriella Fabbrocini⁽¹⁾

University Of Naples Federico II, Department Of Dermatology, Napoli, Italy⁽¹⁾

Introduction: Rosacea is a common and chronic inflammatory cutaneous disease. Etiology and pathophysiology are still unknown. A successful treatment requires careful patient evaluation and individualized therapy with appropriate variations and modifications based on the severity of rosacea.

Objective: We evaluated, in a multi-center observational non-interventional study, the efficacy, tolerability and skin changes induced by topical product based on azelaic acid 15%, rutin 1%, symcalmin® 1%, biophytex 1%.

Materials and Methods: Fifteen subjects with Investigator's Global Assessment of rosacea (IGA) 2-3, (Fitzpatrick skin types II-VI) were included in the study. The evaluation of the effectiveness of the product was performed at baseline and after 2 month of treatment by clinical examination, photographic with Visia® Canfield's Imaging Systems and instrumental documentation by X-rite, Moisture Meter EpiD, Reflectance Confocal microscopy (RCM), dermoscopy. The tolerability of the product was been investigated by a questionnaire.

Results: At the end of the study, a statistically significant reduction ($p < 0.05$) for all study outcomes was observed. All volunteers completed the study. No patients reported side-effects. Cosmetic tolerability was reported directly by volunteers during the study.

Conclusions: This study shows that the test product is effective in treating to rosacea with IGA 2-3 as confirmed by clinical evaluation, X-Rite, dermoscopy, Moisture Meter EpiD and RCM. Our study has shown an excellent skin tolerance of the product tested. As a conclusion we can confirm that the product based on azelaic acid 15%, rutin 1%, symcalmin® 1%, biophytex 1% is effective for the therapy of papulo-pustular rosacea.

