



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

## **TOLERANCE AND EFFICACY OF A SOOTHING EMOLLIENT FACE MASK CONTAINING TRP-REGULINE TM, THERMAL SPRING WATER, IN ADULTS WITH ERYTHEMATOTELANGIECTATIC ROSACEA.**

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**OBJECTIVES:** An emollient cream, containing TRP-Reguline TM, Thermal spring water, hesperidin methyl chalcone, Pongamia oil was developed to obtain a soothing effect and to reduce discomfort of subjects with erythematotelangiectatic rosacea. The aim of this study was to assess the tolerance and efficacy, immediately after the first application and at 1 month, based on clinical and instrumental measurements.

**METHODS:** This monocentric exploratory open-label study enrolled subjects with subtype I rosacea, at least moderate non-transient erythema as inclusion criteria according to the National Society of Rosacea Classification (scale 0 to 3). The product was applied once a day. Clinical assessments were performed at baseline, after first application and at week 4, and included: erythema severity, Investigator's, Patient's Global Assessment (IGA, PGA) and local cutaneous tolerance based on a 0 to 5 point scales. Instrumental assessments: standardized facial photography, chromameter measurement, multispectral videometer camera, in vivo-confocal microscopy (image analysis), to quantify Demodex follicularum; collection of pharmacological samples for inflammatory cytokines analysis. Undesirable events were recorded all over the study period. Cosmetic acceptability of the test product was assessed by the patient at baseline and 4 weeks.

**RESULTS:** 44 females were included and analysed. The investigator considered that the product was well tolerated. There was an improvement immediately after first application and after 4 weeks of clinical erythema scores assessed by the investigator and by volunteer's scores. Significant decrease of facial skin blood flow by instrumental





measurements was observed immediately after use and at week 4. Product compliance was very good and subjects globally appreciated the cream.

**CONCLUSION:** The results of this open study demonstrated that this new soothing emollient cream was well tolerated on skin in adult subjects suffering from erythematotelangiectatic rosacea. A significant effect on symptom severity was shown, demonstrating the interest of the product for chronic reactive and sensitive skin.

