



Chrysaderm Clinical Study: The Effect of Using Chrysaderm[®] Day and Night To Reduce the Appearance of Facial Lines (Periocular “Crow’s Feet”) After 6 Weeks of Application

Study Description: 24 subjects, aged 35 to 65, were enrolled to use a facial day and night cream (name unknown to the subjects), which was applied to the periocular area for 6 weeks. Subjects were instructed to not use any other products during this period. Following 4-week and 6-week time periods, subjects returned to the research facility for post-treatment digital photography of the periocular areas and post-treatment silicon replicas. Baseline photography and silicon replicas were also completed. The silicon replicas were forwarded to a separate facility for image analysis and micro-anatomical interpretation of baseline and treated skin.

Study Results: Skin silicon replica image analysis of subjects’ periocular area revealed a statistically significant ($p < 0.05$) decrease in roughness of coarse “crow’s foot” wrinkles after 6 weeks of product application. There also was a statistically significant ($p < 0.05$) reduction in fine lines after 4 weeks and 6 weeks of application. The data also trended in a manner suggesting that continued use of the products (beyond 6 weeks) might contribute to improvement of subjects’ skin condition over time. 86% of subjects saw a minimization in the appearance of fine lines and wrinkles. 90% of subjects saw improved skin tone and 86% felt it improved skin texture. Visual (photographic) evidence of wrinkle and fine line improvements ranged from obvious to subtle, but the most compelling evidence was the micro-anatomical analysis of silicon skin replicas. The subjects also completed a participant questionnaire regarding their perceptions of product effectiveness. The responses indicated a very positive perception of the product’s efficacy, ease of use and overall performance compared to other products they may have used in the past.

A pre-market, in-house, 20-patient observational study was completed which demonstrated reduction in the appearance of fine lines and wrinkles. Through the use of self evaluations, 75% of participants reported a reduction in the appearance of wrinkles and 60% said **Chrysaderm** made their skin more firm.

Chrysaderm uses high concentrations of cosmetic ingredients to fight the many environmental and internal influences on the aging process.

Allergy Testing

Prior to the above study, **Chrysaderm** Day and Night underwent a 50 human subject repeat insult patch test to evaluate the potential of irritation and sensitization. There were no identifiable signs or symptoms of contact sensitization with **Chrysaderm** Day or Night in this study.

Studies performed by BioScreen Clinical Services, Phoenix, Ariz.

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PERCEPTION OF PRODUCT EFFECTIVENESS	Positive Results
Minimizes the appearance of fine lines and wrinkles	85.7%
Decreases the appearance of age spots	72.2%
Decreases the appearance of blotchy skin	75.0%
Improves skin texture	85.7%
Improves skin tone	90.0%
Easy to apply	100.0%
Moisturizes well	90.5%
Non-greasy	95.2%
Overall performance compared to other products you have used	84.2%
Non-offensive fragrance	100.0%

