Clinical Improvements in Skin Tone and Texture Using A Facial Moisturizer With A Combination of Total Soy Complex and SPF 30 UVA/UVP Protection

Judith Nebus¹, Florence Costes¹, Warren Wallo³, Ellen S. Kurtz, PhD¹, James J. Leyden, MD²

¹Johnson & Johnson Consumer & Personal Products Worldwide, Skillman, New Jersey; ²University of Pennsylvania, Philadelphia, Pennsylvania

ABSTRACT

Clinical research has demonstrated that total soy complex preparations can deliver benefits to facial skin, when applied topically. Total soy complex contains small soy proteins and lipids that moisturize and provide textural benefits to skin.

It is important to recommend a daily facial moisturizer that provides broad spectrum UVA and UVB sun protection. More dermatologists are now recommending the use of daily moisturizers containing sunscreens with higher SPF values, such as SPF 30, especially to those patients who currently exhibit photodamage and various types of skin dyschromias. A daily moisturizer containing both total soy complex and broad spectrum SPF 30 could be highly beneficial for this population. The total soy complex addresses the uneven skin pigmentation and textural problems exhibited by photodamaged skin, while the broad spectrum SPF 30 provides adequate sun protection and protects the skin from further photodamage.

This was a 12-week, double-blind, placebo-controlled clinical study to evaluate the effects of a total soy complex and SPF 30 moisturizer in improving facial skin tone, texture and clarity. Benefits were measured by dermatologist evaluations, self-assessments, instrumental methods and digital photography.

RESULTS

Dermatologist evaluations demonstrated significant improvements (p<0.05) in skin roughness, clarity and mottled hyperpigmentation after 2 weeks of use of the total soy complex facial preparation containing SPF 30. Significant improvements (p<0.05) in mottled hyperpigmentation, blotchiness, appearance of fine lines and overall skin tone and texture were observed versus the placebo control group after only 2 weeks of use. Digital photography further verified improvements in skin tone parameters. This clinical study clearly showed that daily use of this total soy complex and broad spectrum SPF 30 was effective in improving the appearance of skin tone and texture parameters as observed by dermatologist evaluations, self-assessments and instrumental analysis.

CONCLUSIONS

This total soy complex and SPF 30 facial moisturizer has been shown to be safe and effective in providing overall improvements in facial skin tone, texture and clarity. It provides adequate daily sun protection and has been shown to deliver multiple skin benefits to patients exhibiting signs of photaging and hyperpigmented, blotchy skin. This facial moisturizer was well tolerated and there were no serious adverse side effects reported during the 12-week study. The effectiveness of this total soy complex SPF 30 moisturizer was demonstrated in this clinical study by the following:

- Dermatologist assessments at the 2-week time point showed significant mean improvements (p<0.05) in overall facial skin tone and texture and skin surface parameters including improvements in mottled hyperpigmentation, blotchiness and fine lines when compared to the placebo control group and baseline mean values. After 4 weeks of use, there was over a 35% mean improvement in skin blotchiness and clarity of the skin.
- Self-assessments showed that subjects began to perceive significant improvements (p<0.05) in various skin tone, texture and brightness parameters as soon as 1 week of using the total soy complex and SPF 30 facial moisturizer.
- The colorimeter showed a significant increase (p<0.05) in skin luminosity with a significant decrease (p<0.05) in the yellow coordinate correlating to an improvement in skin brightness and overall skin tone.
- Visible and enhanced photography both demonstrate improvements in skin tone, texture and radiance parameters.
- Moisturization measurements showed that the total soy complex and SPF 30 moisturizer significantly improved facial skin hydration (p<0.05) at all measured time points throughout the duration of the study.
- Additional studies showed that this moisturizer was noncomedogenic, gentle to the skin and did not induce thermal sensitization. The sunscreens used in this total soy complex moisturizer have been shown to be photostable based on both clinical and scientific studies.

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Melissa Chu and Geoffrey Smith
Johnson & Johnson Consumer & Personal Products Worldwide, Skillman, New Jersey

REFERENCES


INTRODUCTION

Numerous clinical studies have demonstrated the benefits of total soy complex facial formulations in improving skin tone and texture, visibly reducing fine lines while providing superior moisturization to soften and smooth facial skin. Daily application of a total soy complex is an ingredient that must be processed carefully to help maintain the integrity of the components in the final form to ensure that benefits are delivered to the skin. The total soy complex that is delivered to the skin is a mixture of nutrient rich, non-denatured components. It has been shown that total soy complex can improve the hyperpigmentation and blotchiness of facial skin. It is important to incorporate optimum sun protection, especially in the UVA range, into daily facial moisturizers to protect patients from further dyschromias, sun damage and photaging that can be caused by incidental daily sun exposure. Patients would benefit from a total soy complex facial moisturizer with SPF 30 as the soy would improve the hyperpigmentation, blotchiness and fine lines of photaged skin, while SPF 30 with sufficient protection in the UVA range will help protect the skin from future photaging and reduce problems with mottled hyperpigmentation.

STUDY DESIGN

This study was a 12-week, double-blind, placebo-controlled clinical study to evaluate the effects of a total soy complex and SPF 30 moisturizer in improving facial skin tone, texture and clarity. Benefits were measured by dermatologist evaluations, self-assessments, instrumental methods and digital photography.

Population

Sixty-three healthy female subjects between the ages of 30 and 55 years completed the study. Upon enrollment, all patients exhibited moderate levels of roughness, blotchiness and mottled hyperpigmentation, were enrolled into the 12-week study. Dermatologist evaluations, self-assessments and instrumental analysis were completed at various time points during the 12-week study.

Dermatologist evaluations demonstrated significant improvements (p<0.05) in skin roughness, clarity and mottled hyperpigmentation after 2 weeks of use of the total soy complex facial preparation containing SPF 30. Significant improvements (p<0.05) in mottled hyperpigmentation, blotchiness, appearance of fine lines and overall skin tone and texture were observed versus the placebo control group after only 2 weeks of use. Digital photography further verified improvements in skin tone parameters. This clinical study clearly showed that daily use of this total soy complex and broad spectrum SPF 30 was effective in improving a number of skin tone and textural parameters as observed by dermatologist evaluations, self-assessments and instrumental analysis.

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