

# CLINICAL STUDY: FFFFCT ON FACIAL SKIN

The peer-reviewed clinical study results below were published in the Journal of Cosmetic Dermatology in 2016. The study provides further validation of the science behind ageLOC Youth—Nu Skin's most advanced anti-aging supplement developed to deliver a wide range of systemic youth preservation benefits.

Skin care products are in high demand to reduce the signs of aging and improve skin health. In addition to applying topical products, eating a healthy diet or taking certain dietary supplements can enhance skin health and appearance leading to an "inside-out" approach.

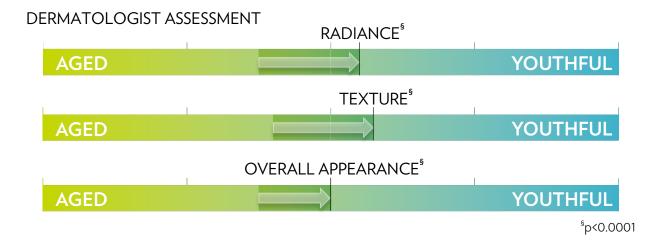
## Background

This clinical study was performed to evaluate changes in facial skin attributes and characteristics before and after taking ageLOC Youth for eight weeks. The study evaluated the effect of ageLOC Youth on facial skin attributes and characteristics including skin radiance, texture, firmness, elasticity, skin barrier functionality, and overall appearance.

Thirty-six healthy women between the ages of 40 to 75 with fair skin and moderate signs of skin aging were evaluated by a board-certified dermatologist, self-assessment, and by skin measurement instruments.

### Facial Skin Characteristics

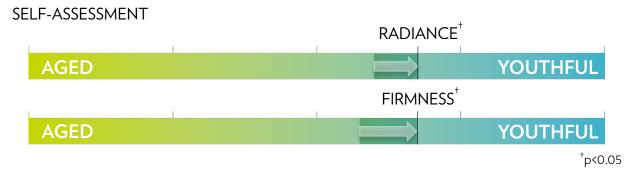
Facial skin characteristics were evaluated by a board-certified dermatologist on a five-point scale (1=youthful to 5=aged). In order to minimize bias, the dermatologist's assessment was performed in a blinded fashion—not knowing whether the assessment was before or after supplementing with ageLOC Youth. Dermatologists noted significant improvements in skin radiance, texture, and overall appearance after eight weeks of supplementation.



<sup>\*</sup>These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.



Participants also completed a self-assessment of their facial skin characteristics before and after eight weeks of supplementation using the same five-point scale (1=youthful to 5=aged). Study participants noticed significant improvements in skin radiance and firmness.



#### Facial Skin Attributes:

Facial skin attributes—elasticity and skin barrier functionality—were measured using instrumentation. Skin elasticity was measured on facial skin 3 cm below the outer corner of the eye using an elasticity cutometer. Transepidermal water loss (TEWL), an indicator of skin barrier functionality, was measured on the face by an evaporimeter. After eight weeks of supplementation, participants experienced significant increases in skin elasticity (p<0.005) and TEWL (p<0.005).

#### Conclusion:

This clinical study further validates the skin health benefits provided by ageLOC Youth. Eight weeks of supplementation with ageLOC Youth promoted significant and noticeable facial skin improvements including skin radiance, texture, firmness, elasticity, TEWL, and overall appearance.

The unique blend of ingredients in ageLOC Youth was selected based on the latest scientific literature and Nu Skin's proprietary gene expression insights into healthy aging to provide systemic youth preservation benefits which includes supporting skin health.

(Jan 2017)

#### Reference:

Wood SM, Mastaloudis AF, Hester SN, Gray R, Kern D, Namkoong J, Draelos ZD. Protective effects of a novel nutritional and phytonutrient blend on ultraviolet radiation-induced skin damage and inflammatory response through aging defense mechanisms. J Cosmet Dermatol. 2016 Nov 24.

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