



AESTHETIC AND COSMETIC DERMATOLOGY (LASERS SEPARATE CATEGORY)

## EFFICACY OF A TOPICAL FORMULA CONTAINING 1.5% HYALURONIC ACID IN TREATING FINE LINES, WRINKLES, RADIANCE AND OVERALL APPEARANCE OF THE SKIN.

*J Zeichner<sup>(1)</sup> - R Rivera<sup>(2)</sup> - B Lee<sup>(3)</sup> - P Dudas<sup>(4)</sup> - P Czyriak<sup>(4)</sup> - A Galdi<sup>(4)</sup> - D Doris<sup>(5)</sup> - E Gilbert<sup>(6)</sup> - F Mayoral<sup>(7)</sup> - M Zaw<sup>(4)</sup>*

*Mount Sinai Hospital, Dermatology, New York, United States<sup>(1)</sup> - L'oreal Paris- Usa, Scientific Communications, New York, United States<sup>(2)</sup> - L'oreal Research And Innovation, Clinical Evaluation, Clark, United States<sup>(3)</sup> - L'oreal Research And Innovation, Skincare Development, Clark, United States<sup>(4)</sup> - New York University Langone Health, Dermatology, New York, United States<sup>(5)</sup> - Gilbert Dermatology, Dermatology, Brooklyn, United States<sup>(6)</sup> - Mayoral Dermatology, Dermatology, Miami, United States<sup>(7)</sup>*

Background: Hyaluronic acid (HA) is a naturally occurring glycosaminoglycan present in the epidermis and the dermal extracellular matrix, involved in maintaining skin structure and hydration. HA has humectant properties and is capable of binding over 1000x its weight in water. HA has a half- life between 24-36hrs, and is continually being produced within our skin. With age, natural production of HA declines, contributing to the appearance of aging skin. HA is used in skincare products although it creates a challenge because HA typically has a large molecular weight, interfering with skin penetration after topical application.

Objective: The objective of this study was to evaluate the efficacy of a novel topical formulation of 1.5% HA in treating aging skin.

Material/methods: 53 women, ages 40-65 years old, with Fitzpatrick skin types I-IV, were enrolled into a clinical study using the topical HA formula twice daily for 6 weeks (6W). At baseline, all participants had mild to moderate (scores of 3-6 on a 10-point scale) global fine lines, global wrinkles, overall appearance of skin condition, and self-perceived lack of skin suppleness. Efficacy evaluations were performed at baseline, followed by 1, 2, 4 and 6W.

Results: Clinical improvements were observed in all efficacy measures at 6W. As early as 2W, significant improvements in fine lines, wrinkles, and overall appearance of the skin was observed. Improvements in elastic recoil of the skin was observed using a dermotrace device, as well as improvements in skin radiance and skin texture (tactile) at 1W.

Conclusions: A novel formulation of 1,5% Hyaluronic acid formula demonstrated visible benefits on skin overall quality, wrinkles, radiance, skin texture and fine lines after 6W of





twice daily application.

