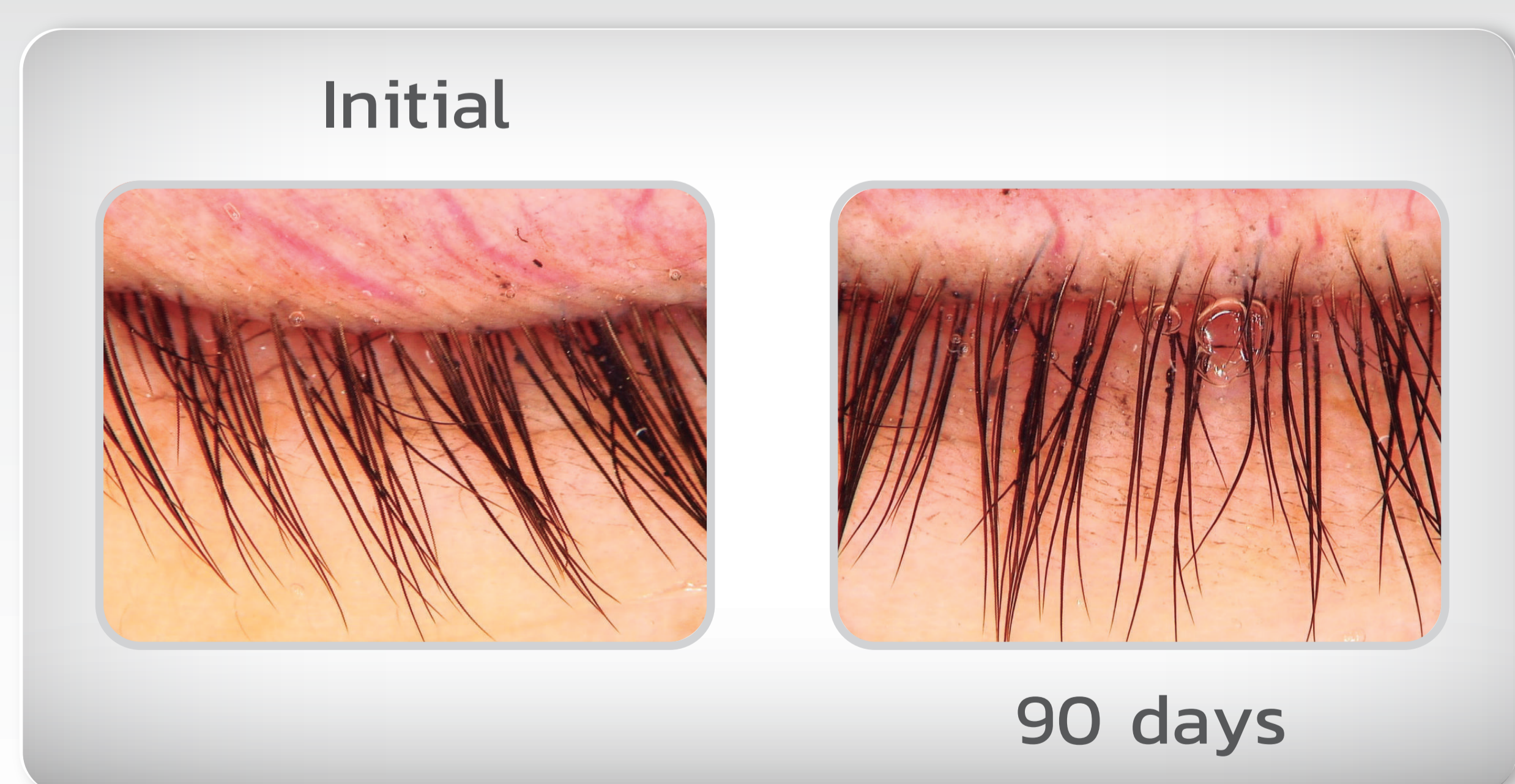




Phase II study to evaluate efficacy and safety of SPECTRAL.LASH® Topical Solution for growth stimulation of eyelashes.

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Conclusions

The solution was capable of improving growth of eyelashes by increasing hair length and volume without causing local adverse effects, with an excellent profile for security and efficacy.

Nowadays many women suffer from eyelash hypotrichosis, which comprises either eyelash loss and/or thinning. It can have multifactorial etiologies. Due the cosmetic and psychological consequences specially in women, those patients look for alternatives (extensions, masks, permanent dye), in order to increase the length, volume and thickness perception of their eyelashes, however most of these alternatives cause adverse reactions like chronic contact dermatitis or inflammatory processes which can cause permanent loss of the eyelashes.

The topical solution, investigated in this study, was formulated with Hydrolyzed Soy Protein, Adenosine, Myristoyl Pentapeptide-17, Magnesium Ascorbyl Phosphate, Lysophosphatidic acid and safflower oil, which have shown individually to stimulate eyelash growth. Nanosomal encapsulation and delivery system, enhances stability, penetration and accumulation of active ingredients in hair follicles.

The objectives of this study were to evaluate the capacity of Spectra.Lash® solution of improving hair growth in relation to length, volume and thickness, and identify possible signs of ocular adverse local reactions related to the application.

Methods and Results

An open-label, prospective study was performed in healthy women during a daily administration period of 3 months. The thickness and length of hair was determined taking trichoscopic images at 20 x with Fotofinder® medicam-800-HD at the beginning and after 3 months treatment. A total of 40 images were taken and visual assessment of length, volume and diameter has been blinded and performed by 6 independent trichological software technicians.

For evaluation a metric of 1 was assigned for cases with volume, length, diameter increase, -1 for cases with volume, length, diameter decrease and 0 for indecisive respectively.

Average value and standard deviation was calculated for the assigned metrics for the assessed parameters.

The result obtained for length was 0.93 ± 0.37 - over 2σ statistically significant increase, for volume was 0.93 ± 0.38 - over 2σ statistically significant increase. For the diameters was 0.47 ± 0.90 - inconsistent.

