



HAIR DISORDERS

CLINICAL STUDY ON EFFICACY AND TOLERABILITY OF PREFORMED GROWTH FACTORS VEHICULATED THROUGH IONOPHORESIS IN PATIENTS WITH ANDROGENETIC ALOPECIA.

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Introduction: Androgenetic alopecia is characterized by a progressive miniaturization of hair follicles occurring in a pattern distribution in genetically predisposed individuals. Recent studies have shown that a process of early senescence of the dermal papilla of the bulb is largely caused by oxidative stress, hence the idea to treat the disease the antioxidants. Several studies have also shown that stimulation of the microcirculation and local blood flow increases hair growth and delays atrophy of the hair bulb.

We treated 20 patients affected by androgenetic alopecia with a biostimulation system composed by transdermal delivery iontophoresis of antioxidants and growth factors, together with photobiostimulation of red light and superficial microneedling.

Objective: Evaluation of the efficacy and tolerability of a therapy with preformed growth factors vehiculated through iontophoresis in patient with androgenetic alopecia.

Materials & Methods: 20 patients with androgenetic alopecia underwent 4 sessions of treatment every 3 weeks. Researcher clinical evaluation, global photography and trichoscopy with measurement of the hair density and hair diameter by Trichoscan® were collected at every session. All patients filled out a brief questionnaire of self-assessment.

Results: All 20 patients concluded the study. Improvement of both global photography and trichoscopy parameters was seen in almost all patients. All patients defined the treatment as “painless and pleasant” and were satisfied by the clinical result.

Conclusions: The use of a physical therapy, which associates the effects on follicles of growth factors vehicle by iontophoresis technique with microneedling and photobiostimulation of red light is an alternative treatment for treating androgenetic alopecia in different types of patients, through a mechanism that stimulates the blood microcirculation and hair growth.

