

A new ERA for global Dermatology 10 - 15 JUNE 2019 MILAN, ITALY

HAIR DISORDERS

EVALUATION THE EFFECT OF TOPICAL HERBAL FORMULATION IN TREATMENT OF ANDROGENIC ALOPECIA AND COMPARISON WITH MINOXIDIL 5%

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Background: Androgenetic alopecia (AGA) is caused by miniaturization of androgensensitive hair follicles and common form of scalp hair loss. Finasteride and Minoxidil have been approved by the American Food and Drug Administration (FDA) for the treatment of AGA. But these have a lot of side effects. Plants have many benefits, including patient satisfaction, fewer side effects and more mechanism for treating AGA, so we use 3 plants: Serenoa Repens extract (saw palmetto) has been shown to inhibit both types of 5-a reductase.

Rosmarinus officinalis extract showed inhibitory 5α -reductase and binding of dihydrotestosterone to androgen receptors.

Oleuropein stimulation of the Wnt10b/β-catenin pathway and the upregulation of IGF-1, KGF, HGF, and VEGF gene expression

Objective: The goal of this study is to determine the effectiveness of topical botanically product in the treatment of AGA and compare its effects with Minoxidil 5%.

Materials and Methods: Male volunteers aged between 18 and 50 years were diagnosed with mild to moderate AGA. The first group received our product 1 ml every evening + Minoxidil 5% every morning for 24 weeks, while the second group received only Minoxidil 5% for the same period. After a baseline visit, patients returned to the clinic for efficacy evaluation including global photography, hair count in the specific area, hair diameter and patients' satisfaction every month.

Results: This pilot double-blind study showed a highly positive response to treatment in the first group. The average hair count and hair diameter increased compared to baseline visit.











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after a few weeks, hair loss was stopped. The patients were satisfied with the product and the side-effects were limited

Conclusions: Our botanical product is responsible for a significant improvement of AGA and could be an alternative treatment in male pattern baldness in patients who do not want or cannot tolerate the side-effects of standard medications





