



HAIR DISORDERS

COSMETIC FOAM REDUCES HAIRLOSS IN ANDROGENETIC ALOPECIA - RESULTS OF A DOUBLE-BLIND PLACEBO-CONTROLLED STUDY

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Introduction: For topical cosmetic preparations against androgenetic hairloss evidence of efficacy is rare.

Objective: The efficacy and skin tolerance of a cosmetic leave-on preparation for androgenetic alopecia was investigated in a double-blind vehicle-controlled study.

Materials and Methods: 62 men with androgenetic hairloss (stage 2-7, Hamilton Norwood Scale) applied a foam containing Redensyl and Hexyl Nicotinate (verum) or a foam without both ingredients (vehicle) twice daily on affected scalp areas for a period of 6 months according to a 1:1 randomization list. Trichoscans were performed initially, after 3 and after six months. The study hypothesis that the verum formulation decreases the telogen rate more than the vehicle was statistically tested.

Results: Except for 2 drop-outs in the verum and one in the vehicle group, unrelated to effects of the preparations, all panelists completed the study. In the verum group, the telogen rate decreased highly significantly from 50 % to 41 % (mean values), whereas in the vehicle group, there was no significant difference between the initial value and after 6 months. In both groups, the hair density increased significantly with lesser changes in the vehicle group. Corresponding to these objective parameters, the panellists assessed the efficacy of the verum regarding decrease of hair loss, hair volume and hair density higher compared to vehicle. The tolerance was good in both groups with six persons in the verum group reporting mild, short-lasting erythema and burning sensations, due to the presence of hexyl nicotinate.

Conclusions: The results of this double-blind placebo-controlled study indicate that the foam with Redensyl and Hexyl Nicotinate decreases the telogen rate and increases the hair density in male persons with androgenetic alopecia. The changes were more pronounced compared to the vehicle. The foam is therefore effective against this type of hair loss.

