

# **Antimicrobial silk clothing in the treatment of atopic dermatitis proves comparable to topical corticosteroid treatment.**

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**BACKGROUND:** Atopic dermatitis (AD) is aggravated by mechanical irritation and bacterial colonization.

**OBJECTIVE:** This study compared the efficacy of an antimicrobial silk fabric (DermaSilk) with that of a topical corticosteroid in the treatment of AD.

**METHODS:** Fifteen children were enrolled and wore a dress, where the left side was made of DermaSilk and the right side was made of cotton. The right arm and leg were treated daily with the corticosteroid mometasone for 7 days. The treatment efficacy was measured with a modified EASI (Eczema Area and Severity Index) and with an assessment by the patients/parents and by a physician. All patients were evaluated at baseline, as well as 7 and 21 days after the initial examination.

**RESULTS:** All parameters showed that, irrespective of the treatment, there was a significant decrease of eczema after 7 days. No significant difference between DermaSilk-treated and corticosteroid-treated skin could be observed.

**CONCLUSION:** DermaSilk showed potential to become an effective treatment of AD.