

Ivermectin has topical anti-inflammatory properties

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(HealthDay)—Ivermectin (IVM) has anti-inflammatory properties that

could be beneficial in treatment of T-cell mediated skin inflammatory diseases, according to an experimental study published online Jan. 4 in *Allergy*.

Erwan Ventre, Ph.D., from the Université de Lyon in France, and colleagues examined the activity of IVM in a murine model of [atopic dermatitis](#) induced by repeated exposure to *Dermatophagoides farinae* and in cellular immunology assays.

The researchers found that topical IVM correlated with improvement in allergic [skin](#) inflammation, with reduction of the priming and activation of allergen-specific T cells and the production of [inflammatory cytokines](#). IVM had no major effect on dendritic cell functions in vivo and in vitro, but following polyclonal and antigen-specific stimulation, IVM did impair T-cell activation, proliferation, and cytokine production.

"Altogether, our results show that IVM is endowed with topical anti-inflammatory properties that could have important applications for the treatment of T-cell mediated skin inflammatory diseases," the authors write.

Several authors were employed by Galderma, which manufactures ivermectin and funded the study.

More information: [Full Text \(subscription or payment may be required\)](#)

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