

Microneedling + 5-fluorouracil effective vitiligo treatment

March 23 2018



(HealthDay)—Microneedling in combination with 5-fluorouracil is a

safe and effective treatment for vitiligo, according to a study published online March 12 in the *Journal of Cosmetic Dermatology*.

Mary Mina, from Tanta University in Egypt, and colleagues studied the efficacy of microneedling followed by treatment with 5-fluorouracil versus treatment with tacrolimus, among 25 patients with vitiligo. Each patient had two patches microneedled with a dermapen before having one patch treated with an application of 5-fluorouracil and the other [patch](#) treated with tacrolimus. Patients had treatment every two weeks for a maximum of six months (12 sessions) and were followed for an additional three months.

The researchers found that overall repigmentation was significantly higher in the patches treated with 5-fluorouracil compared with tacrolimus. Excellent improvement was seen in 48 percent of the 5-fluorouracil-treated patches versus 16 percent of tacrolimus-treated patches. Similarly, in the acral parts, excellent improvement was seen in 40 percent of the patches treated with 5-fluorouracil versus no patches in the acral parts treated with tacrolimus. However, there were significantly more adverse reactions with 5-fluorouracil, including inflammation, ulceration, and hyperpigmentation.

"Microneedling combined with 5-fluorouracil or tacrolimus is safe and [effective treatment](#) of [vitiligo](#)," the authors write.

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

Copyright © 2018 [HealthDay](#). All rights reserved.

Citation: Microneedling + 5-fluorouracil effective vitiligo treatment (2018, March 23) retrieved 19 April 2024 from

<https://medicalxpress.com/news/2018-03-microneedling-fluorouracil-effective-vitiligo-treatment.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.