

Vitamin C, E, ferulic acid speed post-laser wound healing

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(HealthDay)—Laser-assisted delivery of vitamin C, E, and ferulic acid can decrease postoperative recovery time in fractional ablative laser resurfacing for photo damage, according to a study published online Nov. 27 in *Lasers in Surgery and Medicine*.

Jill S. Waibel, M.D., from the Miami Dermatology and Laser Institute, and colleagues conducted a randomized split face trial in 15 healthy men and women aged 30 to 55 years. Patients were treated with [vitamin C](#), E, and ferulic [acid](#) topical formula on one side of the face and vehicle on the other side within two minutes after fractional ablative carbon dioxide [laser](#) surgery and during healing. Patients were assessed daily on days one to seven.

The researchers observed decreased edema on postoperative day seven

for postoperative vitamin C, E, and ferulic acid delivery versus vehicle; decreased erythema was seen on [postoperative](#) days three and five. Compared with vehicle control, on the lesion treated with vitamin C, E, and ferulic acid there was significantly increased expression of basic fibroblast growth factor on day five.

"This is first study to show that vitamin C, E, and ferulic acid correlate with more rapid wound healing post-fractional ablative laser," the authors write.

The study was funded by Loreal/SkinCeuticals.

More information: [Abstract](#)
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