

Microneedle, sublative fractional radiofrequency aids acne scars

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(HealthDay)—Combined microneedle fractional radiofrequency and sublative fractional radiofrequency is safe and efficacious for acne scars in Asian skin, according to a study published online Nov. 18 in the *Journal of Cosmetic Dermatology*.

Jae Yang Park, M.D., from CHA University in Seongnam, South Korea, and colleagues examined the efficacy and safety of combined microneedle and sublative fractional radiofrequency for moderate-to-severe acne scars in 20 Asian patients (11 males and nine females). Over 12 weeks, the subjects received three consecutive combined microneedle and sublative fractional radiofrequency treatments at four-week intervals. Clinical improvement was assessed based on the standardized photography and questionnaires by blinded dermatologists and subjects, respectively.

The researchers found that according to the physicians, all 20 subjects were found to have grade 2 or more clinical improvement (20, 50, and 30 percent had grade 4, 3, and 2 improvement, respectively). There was good concordance for subjects' grading, as indicated by a Kappa index of 0.695. Post-therapy crusting had a mean duration of 5.2 days; the duration of post-therapy erythema was 2.5 days.

"Combined microneedle and sublative fractional radiofrequency can have a positive therapeutic effect with no serious complications and may provide a new therapeutic approach on acne scars in Asians," the authors write.

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