Ultrasound, diluted calcium hydroxylapatite improves lines

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(HealthDay)—Microfocused ultrasound with visualization (MFU-V) and

diluted calcium hydroxylapatite (CaHA) improves moderate-to-severe lines on the neck and/or décolletage, according to a study published online Dec. 29 in the *Journal of Cosmetic Dermatology*.

Gabriela Casabona, M.D., from Clínica Vida in Brazil, and Diana Nogueira Teixeira, Ph.D., from PharmaWrite Medical Communications in Würzburg, Germany, examined the combined use of MFU-V and diluted CaHA for treating subjects with moderate-to-severe lines on the neck and/or décolletage. Two independent blinded evaluators examined photographs at baseline and 90 days using three scales. Forty-seven subjects were treated on the neck only, décolletage only, or in both areas (29, five, and 13, respectively).

The researchers observed significant improvement in the mean neckline score, from 2.6 (moderate-to-severe lines) at baseline to 1.3 (mild lines) at 90 days after treatment. On the Merz Aesthetics and Fabi-Bolton scales there was improvement in the mean décolletage scores from 2.6 and 3.3 (moderate-to-severe wrinkles) to 1.1 and 1.8 (mild wrinkles), respectively, after treatment. Subject satisfaction was high, and both procedures were well tolerated.

"Combining MFU-V with 1:1 diluted CaHA is effective for improving the appearance of neck and décolletage lines and wrinkles," the authors write.

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More information: Abstract
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