

## Collagen induction therapy for the treatment of upper lip wrinkles

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Journal of Dermatological Treatment

Volume 23, Issue 2, April 2012, Pages 144-152

### Abstract

Upper lip wrinkles are very common and impair the quality of life of many people due to their perceived unsightly appearance. Several options are available today for their treatment. A new therapeutic option, called collagen induction therapy (CIT), seems to be effective and safe for the treatment of upper lip wrinkles. The aim of this study is to demonstrate the efficacy and safety of CIT in the treatment of upper lip wrinkles. Ten female subjects, aged 50-65 years old, with upper lip wrinkles were enrolled. Each patient was treated with a specific tool in two sessions. Using a digital camera, photographs were taken of all the patients to evaluate the depth of the wrinkles and a silicon-print technique was used to obtain a microrelief impression of the wrinkles. Data of the cutaneous casts were analyzed by computerized image analysis. Analysis of the patients' photographs, supported by the sign test, and of the degree of irregularity of the surface microrelief, supported by Fast Fourier Transform and by wrinkle image processing, showed that, after only two sessions, the wrinkles' severity grade in most patients was greatly reduced. The present study confirms CIT as an effective and safe technique to improve upper lip wrinkles. © 2012 Informa Healthcare USA on behalf of Informa UK Ltd.