Fractional CO2 Laser Versus Intense Pulsed Light in Treating Striae Distensae

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Abstract:

Background: Striae distensae are linear atrophic dermal scars covered with flat atrophic epidermis. They may cause disfigurement especially in females. Many factors may cause striae distensae such as steroids, obesity and pregnancy. Although, there is no standard treatment for striae; many topical applications, peeling and light and laser systems have been tried. Aim: To evaluate and compare the efficacy of fractional CO2 laser with intense pulse light in treating striae distensae. Methods: Forty patients with striae distensae were recruited. Twenty of them were treated by fractional CO2 laser and 20 were treated with intense pulse Light (IPL). Length and width of the largest striae were measured pre and post treatment. Patient satisfaction was also evaluated and graded. Patients were photographed after each treatment session and photos were examined by a blind physician. Results: Both groups showed significant improvement after treatments (P

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