



LASERS

## A COSMETIC TREATMENT BASED ON THE SECRETION OF CRYPTOMPHALUS ASPERSA 40% IMPROVES THE CLINICAL RESULTS AFTER THE USE OF NON-ABLATIVE FRACTIONATED LASER IN SKIN AGING

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**Introduction:** Non-ablative fractional laser leads to a controlled damage in the skin that improves of the aging cutaneous signs. The main purpose of this study was to evaluate if the application of a cosmetic treatment based on the secretion of *Cryptomphalus aspersa* (SCA) enhances the clinical results, tolerance, and skin regeneration after the non-ablative laser treatment.

**Methods:** Randomized, double-blinded and controlled trial in which 20 patients with moderate aging were treated on one side of the face with SCA 40% and with vehicle in the contralateral side. Two sessions with fractionated non-ablative laser were performed and the cosmetic treatments were applied immediately after laser and were maintained during the study (28 days). Objective, clinical evaluation, the improvement and side effects were assessed.

**Results:** A significant decrease in the density of microcolumns (25%, 71%, 32% y 61% less density, respectively in D3  $p=0.008$ ; D7  $p=0.002$ ; D22 and D24  $p<0.001$ ) was observed on the side with SCA compared to vehicle. Significant less side effects were also detected. Cutaneous elasticity, area of wrinkles and hydration on the side with SCA treatment also showed significant improvement compared to the vehicle.

**Conclusion:** A cosmetic product with SCA 40%, applied immediately after laser and prolonged on the following days, allows to accelerate the recovery of the damage produced by the laser and significantly reduces the adverse effects associated. In addition, SCA treatment in time between laser sessions could improve the tolerance and the effectiveness to the laser treatment.

