

EFFECTIVE REMOVAL OF SOLAR LENTIGINES BY COMBINATION OF PRE- AND POST-FLUORESCENT LIGHT ENERGY TREATMENT WITH PICOSECOND LASER TREATMENT

SCARCELLA, G. *ET AL.*, 2020

INTRODUCTION

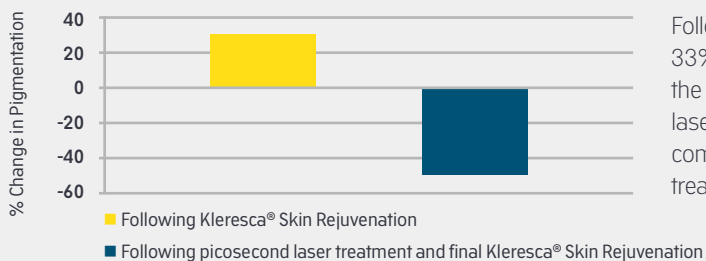
A recent report described the successful eradication of facial solar lentigines using a combination of picosecond laser and Fluorescent Light Energy (FLE). Before the laser treatment, the patient underwent an FLE treatment session which temporarily increased the visibility of lentigines. Subsequent the pico-laser treatment, the patient received a second Kleresca® FLE treatment session, to support the healing response.

The aim of the current study was to evaluate the combination of Kleresca® FLE before (pre) and after (post) picosecond laser treatment for removal of solar lentigines.

CASE STUDY

A 56-year-old woman with solar lentigines received one Kleresca® treatment session. Two days later, visible solar lentigines spots were treated with a picosecond laser. Two weeks later the patient received another Kleresca® treatment session.

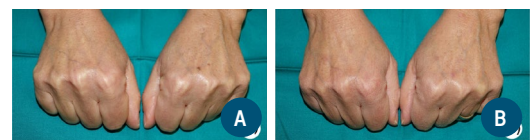
RESULTS



Following the initial Kleresca® treatment session, there was a 33% increase in the visible area of pigmentation compared with the baseline (before any treatment). Following the subsequent laser treatment, the pigmentation decreased by 48% in comparison with baseline. The patient received the combined treatment on both face and hands with comparable results.



Before Kleresca® FLE treatment (A), 2d. after Kleresca® treatment session and immediately prior to the treatment with the 532-nm PicoWay laser (B), and 2w. following the second and final Kleresca® treatment session (C).



Patient's hands before Kleresca® treatment session (A) and 19d. following the PicoWay laser treatment.

CONCLUSION

The Kleresca® FLE platform which induces a novel form of photobiomodulation is used clinically to treat an array of inflammatory skin conditions, including acne and rosacea as well as to rejuvenate the skin. Kleresca® has the ability to energize tissue as well as anti-inflammatory and healing properties. Thus, Kleresca® is often used before, to prepare the skin, and after more invasive treatments, supporting a balanced healing response.

Utilizing Kleresca FLE treatment prior to the laser targeting of solar lentigines aided in the successful removal of the pigmented spots with one single laser session. Kleresca® FLE therapy is a useful adjunct tool preparing and repairing the skin before and after more invasive procedure and, combined with picosecond laser treatment, it helps removing solar lentigines lesions which are not immediately visible and improves skin quality and appearance likely by increasing collagen production.

For more information and before/after pictures, visit the original [publication](#).