ABSTRACT BOOK ABSTRACTS



A new ERA for global Dermatology 10 - 15 JUNE 2019 MILAN, ITALY

LASERS

## A COMBINATION OF FRACTIONAL Q-SWITCHED 1,064-NM WITH FOCUSED DEPTH CONTROLLED TECHNOLOGY AND QUASI LONG PULSE 1064MN YAG FOR IMPROVEMENT OF SKIN TONE AND TEXTURE

L Akerman<sup>(1)</sup>

Herzelia, Laser Clinic, Herzelia, Israel<sup>(1)</sup>

Background: As patients are seeking for non-invasive procedures, these continue to rise in popularity. The market is flooded with new devices- for wide range of indications addressing both epidermis and dermis. Usually few devices are needed to target different depths and chromophores and to achieve desired result.

Objective: To assess improvement of both tone and texture using a high power, single wavelength fractional non-ablative 1,064-nm laser with with 2 different pulse durations; targeting both epidermis and dermis with a novel focused depth controlled technology.

Patients & Methods: 20 patients with sun damage and reduced skin quality underwent 4- 6 treatments on the face and neck. Patients were treated with 2 different modes: Quasi Long Pulse (QPL) 1064nm immediately followed by high power fractional Q-switched 1,064-nm laser. The platform is a stand-alone system comprised of 4 distinct modes of operation-two were used in the study. The first applicator which was used operates with high repetition rate, large spot size allowing high coverage rate, where a variable depth control technology allowed targeting epidermis or dermis. Pre and post-treatment care was minimal and without topical anesthesia. Digital photography was taken at baseline and after the last treatment. Improvement score was assessed by the investigators and two different dermatologists.

Results: 82% of patients had shown significant improvement in both dermal and epidermal indications, including: tone, wrinkles, pores etc'. Side effects were minimal and included mild and transient erythema and petechia.

Conclusion: The stand-alone fractional non-ablative QS & QLP 1,064-nm laser and it's focused depth controlled technology is clinically safe and effective in addressing epidermis and dermis resulting in clinical multilayer improvement of skin tone and texture.





