

## Case report:

Treatment of stretch marks with IPL-Sq® and Nd:YAP

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This is a case report provided by the dermatologist Deise Mendes Dias Pereira, from Conselheiro Lafaiete, MG, Brazil, using the ETHEREA-MX® platform with the IPL-Sq® and ProDeep® handpiece.

- ▶ Stretch marks are a tegumentary atrophy that occurs when elastic fibers and collagen rupture. They initially present as pink or flesh-toned linear lesions, that, in a later phase, are white, of variable thickness and length. These lesions generally appear after excessive or abrupt distention of the skin. They can be related to pregnancy, excessive muscular hypertrophy or rapid growth during puberty, among other things.
- ▶ Treatment seeks to interrupt the inflammatory process (in initial stages) and remodel the elastic tissue of the stretch mark (initial and late stages). Intensive Pulsating Light, with the objective of suppressing the vascular part, associated with fractional non-ablative LASER, is a possible combination with positive results.
- ▶ The IPL-Sq® handpiece, compatible with the ETHEREA-MX® and ZYE® platforms, has a large variation of pulse times (5 - 100 ms) and 540 nm and 580 nm filters (among others) that allow the treatment to be safely and effectively adjusted for patients with lighter or darker pigments.
- ▶ The fractional non-ablative Nd:YAP LASER, with a wavelength of 1340 nm, known as ProDeep®, which is compatible with the same platforms, has less absorption for water compared to others on the market (thereby allowing greater penetration) and has absorption by hemoglobin, supporting IPL-Sq® in the treatment of the color of the lesion, as well as favoring improvement in its aspect.

HANDPIECE	SPOT/FILTER	ENERGY/FLUENCE	PULSE TIME
IPL-Sq®	580 nm	15 j/cm2	15 ms
ProDeep®	8mm - 100 mtz	110 mj/mtz	5 ms

