

LASERS

GENITAL LASER SCULPTURE WITH PUNCTUAL USE OF FRACTIONAL CO2 LASER

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Background: CO2 laser is used in dermatology for treating skin and mucosa and have been increasingly addressed for genital rejuvenation/aesthetic improvement. Its mid-infrared invisible light spectrum stimulates collagen/elastin contraction, neocollagenesis and neovascularization. This new punctual superfluent approach for the external genitalia aims for hyper-neocollagenesis and skin retraction, not only on hypertrophic and/or flaccid labia, but also on a hypertrophic clitoris apparatus.

Observation: 400 patients (25 to 55 years old) were enrolled. Main anesthetic findings were: hypertrophic and/or asymmetric labia, hyperchromia, pubic hypertrophy, clitoris' prepuce hypertrophy, occluded clitoris' glans, multilevel flaccidity and enlargement of the vaginal opening. 212 of patients who had surgical indication were readdressed to a combined treatment of fractional CO2 and vaporization surgery. The remaining 188 patients underwent the procedure after genital epilation, asepsis and intumescent anesthesia. Deka Smartxide 2 Laser was used (no conflict of interest) in ultra-pulsed setting, continuous mode and 2mm or 4mm surgical tip, from 2 to 4W, according to the need of skin retraction. Thermal punctures were performed with about 2 mm of distance in all external genitalia (including vaginal entrance), with overlapping in the most flaccid areas. Only one session was performed in 89.6% of patients, with satisfactory results and simple wound care. The remaining subjects underwent a new session for refinement after 40 days. Only 3 patients underwent a third session, and it was due to extreme flaccidity.

Key message: Reconstruction of external female genitalia is totally feasible with CO2 fractional laser in a non-surgical setting. It's been a safe, cost effective and successful treatment in this private practice for the past 7 years and can be replicated in dermatology settings worldwide. The treatment may also be combined with fillers, although the redensification of the skin already offers a very satisfactory result.





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