MONNALISA TOUCH the latest version of fractional CO2 for vaginal Atrophy mucosa treatment

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The objective of this study was to provide evidence that the use of CO2 laser in combination with a new optical fraxional scanner locally in the vagina mucosa would have effects of greater impact, in the two layers of the vagina (epithelium, lamina propria), including effects on sexual function, rather than only effects on the epithelium, as achieved with estrogens. This new surgical fraxional technique of restoration of vagina mucosa has never been described till 2004.

MATERIALS AND METHOD:
This pilot study has evaluated the effects of monthly application of intra vaginal fractional Co2 laser for three sessions on the vaginal mucous, to improve not only vagina histology, but also symptoms (dyspareunia, dryness, burning, local irritation) in women with vaginal atrophy. The setting parameters were able to induce a multiple deep injury and a moderate coagulation of the collagen protein enough to promote a new metabolic condition in the vaginal mucosa. Patients with stress urinary incontinence, as well as patients with damage of the recto vaginal fascia and/or fascia of Halban, were excluded from this protocol. The equipment used was a CO2 laser of the Italian Company DEKA, which designed a vaginal scanner able to fractionize the CO2 laser and able to be inserted in the vagina. The vaginal dot resurfacing was extending to vaginal external mucosa in order to reduce the mild connective ptosis of the vulva Histological, immune ? histochemical and citovitality studies were done to evaluate the quantity and quality production of collagen after the internal mucosa laser exposure. RESULTS: Resolution of vaginal atrophy symptoms and signs of aquired sensation of wide/smooth vagina was reported by all women. Sexual problems that these women reported before the treatment were clearly solved after it. The neocollagenesis was underlined by an increase of collagen type III and absolutely absence of fibrotic reaction. Conclusions: Vaginal Fractional Resurfacing with MT technology can be considered an effective and safe treatment in the care of the vaginal atrophy symptoms