

Comparison of two novel laser treatments in aesthetic gynecology

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SUMMARY

Objective of this paper is to compare non-ablative procedures performed with a novel Erbium:YAG laser system to our previous experience with CO₂ ablative laser when applied in vaginal tightening and rejuvenation treatments.

Patients that presented symptoms of typical vaginal relaxation due to childbirth or natural aging process were treated with two different types of laser technologies.

A first group was treated with an ablative CO₂ scanner-guided fractional laser while a second group received application of a non-ablative, extra long pulse Erbium:YAG laser delivered through an intravaginal gynecological handpiece set.

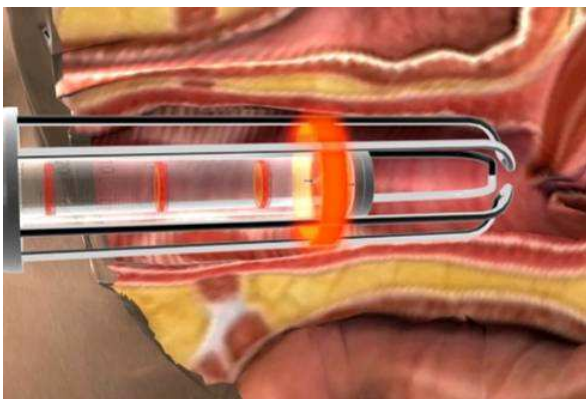


Fig. 1: Intravaginal gynecological handpiece set for delivery of ErYAG laser beams to mucosa of vaginal canal

Both groups were evaluated with a sexual questionnaire and vaginal biopsies. Both groups showed improvement in vaginal tightening. The non-ablative treated patients did not present complications that were commonly observed in CO₂ treated patients.

Following a global evolution toward minimally-invasive and patient-friendly procedures, a new protocol for vaginal tightening has been developed that can provide patient vaginal rejuvenation avoiding undesirable complications that are present in more invasive treatment alternatives.

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