

Jaw-line Interstitial Nd:YAG Laser Tightening

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SUMMARY

Facial skin laxity generally connected with aging and loss of tissue volume is one of the major causes for women to decide for aesthetic treatment. Classical approach is face lift with threads. However, in last few years, following strong development of laser lipolysis, interstitial laser skin tightening becomes more and more popular. Lasers proved to be an excellent alternative to threads in face lift procedures.

Laser lipolysis is practiced in our clinic for last four years during which period we treated more than 350 patients and more than a thousand regions.

Having this experience, two years ago we started to perform also interstitial laser jaw-line tightening using NdYAG 1064 nm laser.

Nineteen (19) female patients with a loose neck skin and expressed jaw lines were submitted to subcutaneous laser treatment under local tumescent anesthesia.

All treatments were executed at a single center, Dr. Maletić's Policlinic in Daruvar, Croatia in the period between May 2010 and November 2011. All patients signed informed consent prior to treatment.

Treatments were executed in a single session with 1064 nm NdYAG laser (Fotona XP-2, Slovenia) using a 600 µm fiber and 1.5 mm cannula. Laser parameters were: 10 - 12 watts of average power, 0.3 msec pulse duration and frequency of 50-60 Hz. Skin surface temperature was controlled with handheld non-contact thermometer (Fluke ...) and kept below 40-42° C.

Compressive dressing was recommended for 2-3 days after the treatment (for the whole days), and for next 3 weeks during the night. Follow-up visit were scheduled at 1 month, 3 months and 6 months after the treatment.

All patients expressed their satisfaction with the treatment and its result. Aside of moderate transient

pain (similar to post-op after laser lipolysis) and a few days of edema, there were no other adverse effects.

Our experience with these 19 treated patients showed that that interstitial jaw-line laser tightening with 1064 nm NdYAG is safe and effective procedure offering patients an excellent alternative to classical face lift with threads.



Fig. 1: Patient No.17 – result of single session of laser jaw-line tightening: left -before the treatment and right – 6 months after the laser therapy



Fig. 2: Patient No.05 – result of single session of laser jaw-line tightening: left -before the treatment and right – 6 months after the laser therapy

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