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## Treatment of Linear Hypertrophic Scar with a Combination of Fractional Er:YAG and Guna MD-Tissue® Mesotherapy

Dr. Ivan Peev

### Parameters:

Laser source:	Er:YAG	Er:YAG
Pulse duration:	MSP	LP
Fluence:	5-8 J/cm <sup>2</sup>	72 J/cm <sup>2</sup>
Frequency:	7 Hz	1 Hz
Handpiece:	R11	FS01
Spotsize:	2 – 3 mm	-
Mode:	Basic	TURBO 6

### Treatment procedure:

This case presents a 27-year-old male who had a traumatic hypertrophic scar after self-manipulation of an acne lesion at the right nasolabial fold, followed by bacterial infection and formation of an abscess. The scar was linear and raised with a fistula.

A procedure with an SP Dynamis laser (Fotona, Slovenia) was performed under infiltrative anesthesia with lidocaine. The parameters used are shown in the table above. The treatment consisted of 3 steps. In the first step, 3-4 passes with Er:YAG using an R11 handpiece were done in order to flatten the scar. In the second step, 3 passes with an FS01 fractional handpiece were performed for remodeling the scar tissue with an endpoint of pinpoint bleeding. Immediately after the procedure, collagen and vitamin complex (Guna MD-Tissue) were applied and the treatment area was covered with a bandage.

The healing time following the procedure was about 5 days, with the treated area bandaged during the first 24 h. After bandage removal, a crust was observed that fell off after 4 days. Three weeks later, a treatment with GUNA MD-Tissue® mesotherapy using a mesogun device was initiated to promote scar healing. Overall 1 session with laser and 10 procedures with mesotherapy were done. The after picture was taken 4 months after the final therapy.



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Before scar-revision treatment



4 months after the final therapy