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Combined Er:YAG Laser Acne Scar-Revision Treatment

Yana Targonskaya

Parameters:

Laser source:	Er:YAG, 2940 nm		
Treatment:	1-3		4
Pulse duration:	SP	SP	SP
Fluence:	7 J/cm ²	28-56 J/cm ²	70 J/cm ²
Frequency:	3-4 Hz		
Handpiece:	R-11, 3 mm spot size	FS-01	FS-01
Density / coverage:		5 %	5 %

Treatment procedure:

22-year-old patient, previously treated with isotretinoin for a year came in for scar revision treatment. He did not have any acute acne at the time of the first treatment.

Before the treatment, a thick layer of 5% emulsion lidocaine/prilocaine preparation was applied to the treatment area for 30 minutes, covered with occlusion dressing.

Four treatments were performed. We started the treatment with R-11 handpiece, with 3 mm full spot size at 7 J/cm², up to 4 Hz repetition rate, ablating only the edges of the scars. We continued with fractional FS-01 handpiece at 56 J/cm², up to 2 Hz, Turbo 4, 5% coverage, SP, treating both already ablated surfaces as well as the bigger pits.

Remaining affected area was then treated with 42 J/cm², Turbo 3, up to 2 Hz. Outer edges of the scarred area were finished with 28 J/cm², Turbo 2, 1 Hz.

In 2 following treatments we kept smoothing remaining edges of the pits, while increasing the parameters each time, where the last treatment had the highest parameters of 70 J/cm², Turbo 5, 2 Hz, 5% coverage, SP.



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Before scar-revision treatment



After 4 treatments



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