



Combined Er:YAG and Nd:YAG Laser Skin Tightening Treatment

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Introduction:

A 49 y/o female came in to our clinic with complaints of loose skin on the abdominal region after weight loss. A combination SP Dynamis treatment with 1064 nm Nd:YAG and 2940 nm Er:YAG was used with the below-mentioned parameters.

Laser	SP Dynamis	
	Deep tightening of the tissue	Superficial skin tightening
Wavelength	Nd:YAG (1064 nm)	Er:YAG (2940 nm)
Mode	PIANO	V-Smooth
Spot size	76 x 84 mm	80 x 80 mm
Handpiece/scanner	L-Runner	T-Runner
Fluence	N/A	2.8 J/cm ²
Irradiance	1.2 W/cm ²	N/A
Pulse duration	N/A	375 ms
Stack number	N/A	4 stack
Anaesthesia	None	None
Cooling	None	None
Notes	Keep temperature up to 42°C for 6 mins on the same spot continuously	4 passes, one after another



Mira Piroshenko (Dermal clinician) received her medical degree in Ukraine and completed postgraduate studies in Aesthetic Medicine. She further received a degree in Dermal Science at Victoria University, Australia. She specializes in acute and chronic skin conditions, disorders and diseases as well as scar management and revision. She is also a specialist in medical-laser applications and treatments with 20 years of experience in medical research.

CLINICAL CASE:

Four passes were done with the T-Runner without any pause in between. No cooling or anesthesia was used. The patient reported no discomfort during step 1 and a medium level of discomfort during the second step. Mild erythema formed and aloe vera gel was applied immediately after the treatment.

The after photo shows results achieved with 4 sessions done at 2 weeks. No post-inflammatory hyperpigmentation or other complications were observed following the treatment.

Before



After last session



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