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## Treatment of Post-Inflammatory Hyperpigmentation using Q-Switched Nd:YAG

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### Parameters:

	QS- Nd:YAG (1064 nm)			
	Treatment 1	Treatment 2	Treatment 3	Treatment 4
Fluence:	2.5 J/cm <sup>2</sup>	2.9 J/cm <sup>2</sup>	3.1 J/cm <sup>2</sup>	3.3 J/cm <sup>2</sup>
Spot size:	6 mm	6 mm	6 mm	6 mm
Frequency:	8 Hz	8 Hz	8 Hz	8 Hz

### Treatment procedure:

A 32-year-old male patient with post-inflammatory hyperpigmentation characterized by irregular brown patches with poorly defined border, on the left cheek, came to our clinic. Post inflammatory hyperpigmentation had developed due to a trauma.

To treat the post inflammatory hyperpigmentation, a low-fluence Q-Switched Nd:YAG laser was used. A series of four treatments in 2-week intervals was needed to significantly reduce the hyperpigmented lesion, starting with a low fluence of 2.5 J/cm<sup>2</sup> in the first treatment and increasing it with the following treatments according to the desired endpoint effect. After the final Nd:YAG treatment, an additional pass using 532 nm Q-S KTP with 3 mm spot size, fluence 1.8 J/cm<sup>2</sup> and frequency of 2 Hz was performed to reduce residual epidermal spots. No anesthesia was used during the treatment.



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Before



After 4 treatments