



Treatment of Spider Angioma with Nd:YAG laser

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Introduction:

This bulletin presents a case of a 10-year-old girl with a spider angioma located on the right malar region. We use a protocol treatment shown in the table above. No skin preparation is required. The procedure is performed under topical anesthesia (lidocaine 20% + prilocaine 10% + tetracaine 5%), which is applied to the lesions 30 minutes prior to laser treatment.

Laser	SP Dynamis
Wavelength	Nd:YAG (1064 nm)
Pulse Duration	VERSA (15 ms)
Fluence	180 J/cm ²
Frequency	1 Hz
Handpiece	R33-T
Spotsize	2 mm
Passes	1
Sessions	Single session for total elimination



Drs. Julio and Sebastian Velez are Colombian dermatologists who graduated from Universidad del Bosque and University Foundation for Health Sciences, respectively. They are committed to research and education, performing as adjunct professors at the Del Rosario University and the Universitaria Sanitas Foundation.

They currently work with the SP Dynamis Pro and StarWalker Q-Switched system in their private practice, Medical Art. They also provide pro bono services at the University Hospital Federico Lleras Acosta Dermatological Center.

CLINICAL CASE:

This one step treatment uses Nd:YAG (1064 nm) long VERSA pulses with a pulse duration of 15 ms and a R33-T handpiece with 2 mm spot size. Just one pulse over the central part of the lesion is necessary to eliminate the spider angioma. Immediately after the procedure the angioma will slightly change to a darker grey and in a few days will completely disappear. The applied fluence is 180 J/cm², and the frequency is 1 Hz.

The procedure requires cooling. No epithelializing cream is needed and photoprotection can be started immediately after the procedure. A single session is sufficient for a total elimination of the lesion.



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