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## Treatment of Verruca using Long-Pulsed 1064 nm Nd:YAG

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### Parameters:

Laser source:	Nd:YAG, 1064 nm
Pulse duration:	LP (30 ms)
Fluence:	80-120 J/cm <sup>2</sup>
Handpiece:	R33
Stacking:	3-10 pulses
Spot size:	4 mm

### Treatment procedure:

We have successfully treated cases with warts using the long-pulsed 1064 nm Nd:YAG laser for the past few years. Here we present a case of verruca treatment using Nd:YAG laser therapy. A patient with multiple warts on both hands was treated. To successfully treat the warts, long-pulsed Nd:YAG laser treatment was performed using a stacking technique until a grayish coloration of the treated area was achieved. The treatment was performed in three sessions with 2-3 week intervals. No anesthesia was used. The skin was cooled to decrease the pain.

The best results can be achieved with a prior keratolytic treatment for 10-14 days before the first laser treatment. The patient should be advised to apply a 20% salicylic acid ointment after soaking the affected area in warm water for 15 min and drying it. In the morning, the dead skin should be removed. This needs to be repeated daily for 10-14 days to minimize the wart size and minimize the hyperkeratosis and this will improve the treatment efficacy.

It is important to note the following:

- The prognosis is better if the disease history is 6 month or shorter and if the number of lesions is 3 or less and vice versa.
- In some cases of plantar warts infiltration, anesthesia might be required if the patient cannot tolerate the pain.



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Before



8 weeks after the 3 sessions with Nd:YAG laser