

# Clinical Evaluation of a 1064-nm Picosecond Laser for Removal of Black Tattoos in Patients with Dark Skin Types

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## Study Design:

- Study to evaluate 1064nm picosecond laser for removal of black tattoos in 17 patients (ST V-VI) on 25 tattoos (15 patients remained with 23 tattoos).
- Patients received up to 10 treatments with a 4-12 week interval.
- Treatment parameters: 2.0-2.5mm spot size, fluences up to 1.9 J/cm<sup>2</sup>, 650 picoseconds, and 5 Hz.

## Results:

- All tattoos that received 6 or more treatments showed a clearance of 50% or greater, and both patients and investigators have been very satisfied with the treatments.
- Patients tolerated the treatment well with 4 of 15 patients (6 of 23 tattoos) tolerating the treatment without any anesthesia.
- The average pain score for those who received anesthesia was 0, and 5 for those who did not receive anesthesia (0-10 scale).

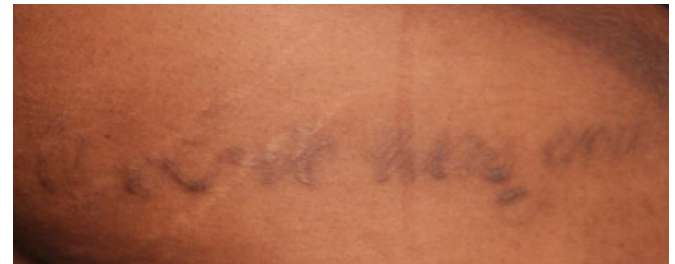
## Conclusion:

- A 1064nm picosecond laser is a safe and effective treatment for black tattoo removal in ST V-VI with minimal anesthesia and post treatment requirements.

Courtesy of Roy Geronemus, MD



Before



After 9 Treatments