

Treatment of Resistant Tattoos with Picosecond Alexandrite Laser

Robert A. Weiss, MD, Margaret A. Weiss, MD, Mary Trageser, MD, Fran Lorden, MD, Karen Beasley, MD

Study Design:

- Image and chart review of 114 patients.
- 37 patients with 6 or more previous nanosecond laser treatments selected.
- All patients had B&A images.
- Images evaluated by blinded reviewers and graded on a quartile scale.

Results:

- Additional tattoo clearing was seen in 36 of 37 patients.
- Near complete clearing of tattoos (4/4 on quartile scale) observed in 15 of 37 patients.
- Mean number of treatments for 90% reduction of tattoo pigment was 2.
- 21 additional responders saw visible reduction of tattoo pigment with up to 4 treatment sessions.

Conclusion:

- Picosecond lasers may be effective when nanosecond laser treatments of tattoos (N = 6 or greater) have reached a plateau with no further improvement.
- Picosecond lasers may offer additional clearance of Q-Switched resistant tattoos.



Baseline/Post 6+ Tx with QS Nd:YAG



3 Months Post 2 Tx with Picosecond