

Clinical Evaluation of the Picosecond 532 nm, 755 nm and 1064 nm Wavelengths for the Removal of Tattoos

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Study Design:

- 35 tattoos (27 subjects) with multi-colored tattoos.
- Fitzpatrick Skin Types I-V.
- Tx frequency= 4 ± 2 weeks.
- 755 nm and 1064 nm compared subset of subjects for response in blue, green and black pigment, and 532 nm was compared with red, orange and yellow pigment.

Results:

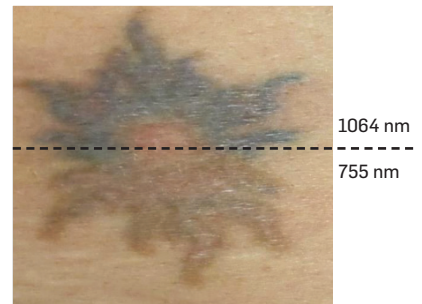
- Most subjects had >60% overall clearance.
- Subjects were satisfied or extremely satisfied.
- Pain scores were minimal during and post-treatment.

Conclusion:

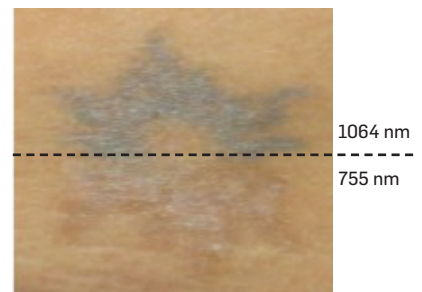
- Blue and green inks responded best with 755 nm.
- Black ink responded slightly better to 755 nm vs 1064 nm.
- 532 nm cleared red, orange and yellow inks the best.
- The 755 nm and 532 nm picosecond combination laser is an efficacious device that optimizes treatment of tattoos containing black, blue, green, red, orange, and yellow pigment, which previously have been difficult to clear with one device.



Pre-Treatment



Post 2 Tx



Post 3 Tx