Unwanted Periorbital Tattoos Safely and Effectively Treated with QS ND:YAG and Picosecond Alexandrite Laser

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Study Design:

- Review of 37 treated unwanted periorbital tattoos (9 eyelid & 28 eyebrow tattoos)
- Majority treated with picosecond laser and a small subset with 1064 nm QS Nd:YAG
- Subject age ranged from 18-80 years with one male patient, skin types I-V
- Each underwent a series of treatments (range 1-9) and had follow-up evaluations ranging from 1 month to 2 years

Results:

- Twenty-one (57%) showed greater than 50% up to 100% clearance; 11 (39%) had up to 50% clearance, and 5 tattoos (13%) had up to 25% clearance
- There were no adverse events such as permanent alopecia or ocular distortion with our treatment protocol

Before

After 4 Tx w/ Picosecond 755 nm

Courtesy of J.P. Neckman, MD

Before

After 4 Tx w/ Picosecond 755 nm

Courtesy of J.P. Neckman, MD

Conclusion:

- Effective removal of unwanted periorbital tattoos can be achieved safely with the use of the picosecond alexandrite laser or 1064 nm QS Nd:YAG
- With careful protocol, the risks of ocular or adjacent follicular damage can be avoided

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