

Treatment of Pigmentary Disorders in Patients With Skin of Color With a Picosecond Alexandrite, Q-Switched (QS) Ruby, and QS Nd:YAG Lasers: a Retrospective Photographic Review

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Study Design:

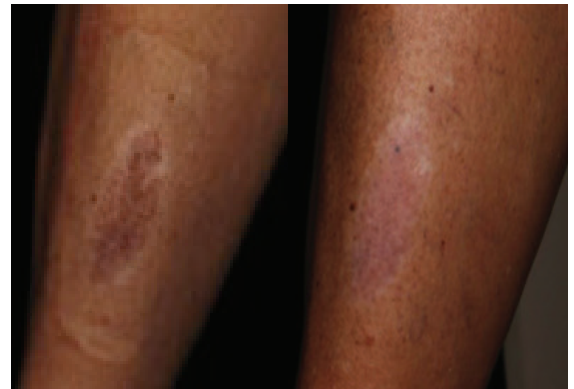
- Retrospective evaluation of 70 Picosecond 755 nm Alexandrite, 92 QS Nd:YAG, and 47 QS Ruby laser treatments, in 43 patients of skin types III-VI.
- Range of indications: Nevus of Ota, Solar Lentiginos, Post-Inflammatory Hyperpigmentation, Congenital Nevus, Café-au-lait, Dermal Melanocytosis, Nevus of Ito, and Becker's Nevus
- Pigmentary clearance assessed by 2 blinded graders.

Results:

- Most patients receiving QS and Picosecond 755 nm Alexandrite treatments felt satisfied to completely satisfied after 5.46 and 4.11 treatments respectively.
- Side effects observed with the Picosecond 755 nm Alexandrite laser were similar to the QS systems (purpura/crusting/ erythema/swelling), with no long term complications.

Conclusion:

- The Picosecond 755 nm Alexandrite, QS Ruby and Nd:YAG lasers are safe and effective modalities for removal of pigmentary disorders in skin of color patients with no long term complications.
- Picosecond 755 nm alexandrite laser may produce rapid, safe, and successful treatment of pigmented lesions in skin of color.



Baseline

Post 8 Tx

Congenital Nevi >75% Improvement



Baseline

3 Mos Post 5 Tx

Nevus of Ota >50% Improvement in 5 Tx