



PIGMENTATION

CLINICAL EFFECT OF Q SWITCH 694NM RUBY LASER IN THE DECOLORIZATION OF TREATING GENERALIZED VITILIGO

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Introduction: Current treatment tend to have poor repigmentation effect on patients with generalized vitiligo which total body area is more than 95%. For this kind of patients, especially those with small areas of normal pigment island left on their faces, the reverse treatment with decolorizer is often more effective than the traditional treatment in improving patients' satisfaction.

Objective: The effect of Q switch 694nm ruby laser in the decolorization of topical vitiligo was observed in this study.

Methods: Q switch 694nm ruby laser with 2.5mm spots, 4.0-6.0 J/cm² energy density and 1.5hz frequency were used for decolorization of normal facial skin in patients with generalized vitiligo. 5-8 times of treatment were conducted, and fixed-point photography was used to observe the decolorization and hyperchromatism of facial skin.

Results: After the q-switch 694nm ruby laser treatment for 1-3 times, the normal skin on the face of the patient was decolorized, but some patients showed hyperchromatism with the extension of time. After 5-8 times of treatment, the skin loss was basically stable, and no hyperchromia was found in the follow-up for 4 years. Except for local flushing and pain, no adverse reactions such as blisters, ulceration and infection were observed.

Conclusion: Q switch 694nm ruby laser decolorization is safe and effective in the treatment of generalized vitiligo with high satisfaction.

