



LASERS

1,927 NM THULIUM FRACTIONAL LASER TREATMENT FOR FACIAL DYPIGMENTATION INDUCED BY REPETITIVE LASER TONING

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Background: Recently, punctate leukoderma has been frequently reported in association with laser treatment. Especially, the overall incidence of leukoderma associated with the laser toning treatment with low-fluence Q-switched Neodymium:Yttrium-Aluminum-Garnet (QSND) laser for melasma was reported to be up to 16.8%. As patients with this condition rarely recover spontaneously, it causes great distress for both patients and physicians.

Observation: A 63-year-old woman presented with mixed hyperpigmented and hypopigmented spots on face. She had previously been treated with 532 nm QSND laser treatment at a local clinic for melasma. After several laser treatment session, the punctate leukoderma had been developed. We treated her with 6 sessions of the 1927nm thulium fractional laser. Significant improvement in overall skin tone was achieved and contrast between the hyperpigmented and hypopigmented lesions was reduced.

Key Message: We suggest the 1927nm thulium fractional laser as an effective treatment modality for laser therapy-induced punctate leukoderma.

