



LASERS

SAFETY PROFILE OF FRACTIONAL LASER RESURFACING ON ASIANS WITH FITZPATRICK SKIN TYPES IV TO V.

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Background: Fractional Laser Resurfacing is an effective procedure in the management of atrophic acne scars. This procedure involves the ablation of microscopic ablative zones with surrounding untreated tissue. The risk of postinflammatory hyperpigmentation is a major concern on the use of fractional laser resurfacing on darker skin types. This study aims to determine the adverse effects on Asians with Fitzpatrick skin types IV to V.

Objective: To determine the side effects of different Fractional Laser Resurfacing devices on Asians with Fitzpatrick skin types IV and V.

Materials and Methods: Retrospective review of fractional laser resurfacing treatments were done in order to determine the side effects on Asians with Fitzpatrick skin types IV to V. Lasers used included Fractional Carbon Dioxide and Erbium:YAG lasers.

Results: The most common side effects are postlaser erythema and acne flareups. Post inflammatory hyperpigmentation is more frequently seen with the high fluence Fractional Erbium:YAG laser.

Conclusions: Fractional Laser Resurfacing is a safe treatment modality for Asians with Fitzpatrick Skin Types IV to V. Adverse effects are temporary and manageable.

