

Thesis Title	A Comparative Study on The Efficacy of Combination with Pulsed Dye Laser and Intralesional Corticosteroid Injections Versus Injections Alone for Treatment of Keloid and Hypertrophic Scars
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ABSTRACT

The objective of the study was to compare the efficacy of combination of pulsed dye laser and intralesional corticosteroid injections versus injections alone for treatment of keloid and hypertrophic scars. Eighteen Thai subjects with keloid and hypertrophic scars received three split-scar monthly treatments, one side with intralesional corticosteroid injections, and the other with pulsed dye laser and intralesional corticosteroid injections. The improvement of scars and side effects were evaluated at every treatment sessions and four weeks after the last treatment. The study found significant improvement in keloid and hypertrophic scars after treatment in both group without statistically significant difference between them. The side effects of both group were hyperpigmentation and telangiectasia. In conclusion, Intralesional corticosteroid injections alone and its combination with pulsed dye laser are effective modalities that could be used for treatment keloid and hypertrophic scars. The adjunctive use of pulsed dye laser did not significantly enhance clinical outcome in our study except in terms of increased scar's elasticity.

Keywords: Keloid/Hypertrophic scars/Pulsed dye laser/Intralesional corticosteroid injection