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Purpose: To compare the efficacy of Dermatix gel alone with silicone gel sheeting alone or as an adjunct therapy with silicone gel sheets with for the treatment of hypertrophic scars, keloid scars, or post-laser erythemia.

Methods: Four-year prospective analysis of 100 patients with 140 scars. Thirty untreated patients with bilateral scars allowed one scar to remain untreated to serve as controls. This group was compared with the group utilizing Dermatix Gel alone, silicone gel sheeting alone, and the combination of Dermatix Gel and silicone sheeting. Outcome measures included profilometry analysis of scar elevation and topography, pre- and post-treatment punch biopsies of treated and controlled scars, and subjective evaluations by patients and physicians.

Results: Superior resolution and improvement of healing scars, active hypertrophic scars, and excised keloids was demonstrated with Dermatix gel compared to silicone gel sheeting and the control groups. The advantages of Dermatix Gel over sheeting included ease of application and around-the-clock coverage, and absence of the skin breakdown, maceration, and itching often reported with silicone gel sheeting. Moreover, Dermatix Gel provided a thin air-permeable membrane and was easier to use than silicone sheets on infra-mammary surgical scars and areas of movement associated with joints.

Conclusions: Dermatix gel improved the appearance of scars and was easier to use than silicone gel sheeting. Dermatix gel is a viable alternative to silicone gel sheeting.