



DERMATOLOGICAL SURGERY

AN ALGORITHM USING BOTULINUM TOXIN INJECTIONS, FOR FACIAL SCAR IMPROVEMENT & BETTER SCAR HEALING, IN ASIAN INDIAN SKIN - PROSPECTIVE STUDY IN 100 PATIENTS

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Background: Wounds of the face, are known to heal poorly with conspicuous scarring. Different methods have been tried to tackle this problem, including corticosteroid injections, irradiation, ultrasound, silicone applications & many others. However, their effects are unsatisfactory, because they do nothing to alleviate the underlying pathologic process, which is the distracting effect of muscle pull on immature collagen.

Study Design: Prospective Clinical Study .

Materials & Methods: 100 patients with a minimal of 6 months follow up, were recruited. All of them with depressed scars all underwent surgery for scar revision. Two weeks prior to surgical intervention, intra-muscular Botulinum Toxin was injectioned around the scar, to prevent movement of the facial muscles. From the second week, use of Cicatrix (Formulation containing activated Centella Asiatica & Pinus Sylvestris, Catalysis, Spain) was routinely used, three times a day, for 6 months post the scar revision surgery.

Results: Using the Objective Assessment Score (OSS) & the Subjective Assessment Score (SSS), the mean of the scores were taken. All patients had satisfactory results, as measured by a patient satisfaction survey and objectively by the dermatological assessment.

Discussion: Botulinum toxin injected prior to scar revision surgery, resulted in the wound being stabilized, better wound healing & prevention of wound widening during healing

Conclusion: In view of the results of this study, it is considered worthwhile to offer patients with scars botulinum toxin injections prior to scar revision surgery.

