



DERMATOLOGICAL SURGERY

TREATMENT OF NON-VITILIGO LEUCODERMA WITH NON-CULTURED EPIDERMAL CELL SUSPENSION: TO DO OR NOT TO DO

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Introduction: Melanocyte Keratinocyte Transplantation Procedure (MKTP) or Non-Cultured Epidermal Cell Suspension (NCES) is a well-established procedure for vitiligo. However, there are several non-vitiligo causes of leucoderma including post-burn depigmentation, piebaldism, halo nevus, post-laser depigmentation, chemical leucoderma, post-dysoid lupus erythematosus (DLE) depigmentation, wherein medical modalities do not help and hence NCES could be a viable treatment option. This study aims to evaluate the efficacy of NCES in these conditions.

Materials and methods: 43 cases of non-vitiligo leucoderma were treated with NCES. These included 8 cases of halo nevus, 2 case of DLE, 15 cases of post burn leucoderma, 6 cases of post laser/chemical depigmentation and 12 cases of nevus depigmentosus. Results were assessed on basis of photographic comparison.

Results: Five cases of nevus depigmentosus responded poorly. The quality of repigmentation was found to be unsatisfactory in nevus depigmentosus. The remaining 38 cases responded extremely well with 80-100% repigmentation seen in spite of the underlying aetiology. Post burn leucoderma, DLE, post laser/chemical depigmentation and halo nevus all responded well and to the patients satisfaction.

Conclusions/Discussion: Non-Cultured Epidermal cell suspension (NCES) is an effective therapy for the management of not just vitiligo but non-vitiligo leucoderma as well; however, proper case selection is of paramount importance.

