

Autologous Cells Spray Improve Healing Of Donor Site In Burn Patients

Muhammed Rauf Ahmed,
Shaheed Zulfiqar Ali Bhutto Medical University
Islamabad, Pakistan,



Abstract

In Pakistan unfortunately the incidence of burns are more which leads to skin contracture, scar and death. Autologous cells spray consists of all skin cells like fibroblasts, keratinocytes, langerhans cells, melanocytes etc which helps in skin regeneration fastly and effectively. We analyzed the effect of cells spray on burn patients donor area (normal skin area which surgeons takes to cover burn area). We applied this cells spray on twenty burn patients and check the effect after seven days. We took just 1cm square skin biopsy and prepared cells spray in our lab and sprayed on donor area of burn patients. Half of donor area was used as control and half of area was sprayed by cells. We observed that cells sprayed area was healed ealier except non sprayed area, no any contracture or scar formed.

Biography:

Muhammed Rauf Ahmed, assistant Professor in Shaheed Zulfiqar Ali Bhutto Medical University Islamabad. Recently working on skin regeneration. I prepared Acellular dermal matrix and Autologous cells spray that is being used in Jinnah burn and reconstructive surgery centre Lahore.

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