

Delayed double layer Integra successful in bridging healing between split skin graft and calvarium

Cheryl Ou Yong¹, Aruna Wijewardena², Andrea McKittrick³, Jeon Cha⁴, John Vandervord⁵

1 Severe Burn Injury Unit, Royal North Shore Hospital, NSW, 2065, cheryloyis@gmail.com

2 Severe Burn Injury Unit, Royal North Shore Hospital, NSW, 2065, wijewardanaaruna@yahoo.com

3 Severe Burn Injury Unit, Royal North Shore Hospital, NSW, 2065, andrea.mckittrick@health.nsw.gov.au

4 Severe Burn Injury Unit, Royal North Shore Hospital, NSW, 2065, reception@drjcha.com

5 Severe Burn Injury Unit, Royal North Shore Hospital, NSW, 2065, johnvandervord@bigpond.com

The art of burn care is demonstrated by calculated experimentation in challenging cases, after other avenues have been exhausted. Case study Mr JM is a 40 year old man who presented with 35% full thickness total body surface area burns from a high speed car versus tree motor vehicle accident in regional New South Wales early last year. He sustained 6% burns to his face and neck, including a region of frontal bone that proceeded to become necrotic. On day 52 of his admission, he underwent application of stabbed Integra, a collagen-glycosaminoglycan matrix wound dressing, onto exposed calvarium after careful burring to punctate bleeding. The silicon layer of Integra was removed 5 days later. On day 61, a new layer of Integra was placed over the original. Both times, a vacuum assisted closure (VAC) dressing was used with silver foam overlying the Integra. On day 75, the superficial Integra layer was debrided with Versajet hydrosurgery and he underwent split skin grafting to his forehead from an abdominal donor site. He was discharged after a 94 day admission with progressively healing wounds. A photographic record was kept to chronicle the forehead wound healing with his consent. It is now 1 year following his burns injury and he displays a completely healed frontal wound with scar maturation.

Key Words

Integra, graft, bone

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