

AB072. SOH22ABS075. Experience of NovoSorb[®] Biodegradable Temporising Matrix (BTM) in the reconstruction of complex wounds exposing bone

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Background: NovoSorb[®] Biodegradable Temporising Matrix (BTM) is a synthetic bilayer polyurethane dermal substitute approved for reconstruction of full thickness skin defects. Developed at the Royal Adelaide Hospital, South Australia, BTM has been widely utilised in the management skin and soft tissue trauma, acute burn wound resurfacing and reconstruction of chronic complex wounds. As a fully synthetic template, BTM offers higher resistance to infections and was initially utilised for the reconstruction of necrotising fasciitis wounds following debridement. We present our experience of the use of BTM in the management complex skin and soft tissue defects involving exposed bone.

Methods: A case series of the use of BTM for the reconstruction of soft tissue defects exposing underlying bone at a university teaching hospital and national burns centre. Patient demographics, defect aetiology, indication for dermal template use and surgical outcomes were collected by patient history, examination, serial outpatient reviews and inpatient records.

Results: This case series included 3 patients with complex defects of varying aetiologies including autoimmune disorders, self-immolation and a major burn. In these patients, all wounds were classified as complex defects

involving exposed bone. BTM has shown to be an effective, reliable method of covering complex wounds exposing bone in three cases of varying pathology.

Conclusions: BTM offered an excellent reconstructive alternative for wounds of various aetiologies that were unamenable to immediate skin grafting.

Keywords: Novosorb[®] Biodegradable Temporising Matrix (Novosorb[®] BTM); burns; complex wounds; dermal matrix; skin substitutes

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Footnote

Conflicts of Interest: The authors have no conflicts of interest to declare.

Ethical Statement: The authors are accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

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