

Clinical Case:

Surgical Wound Prior to Autografting



Patient Specifics:

84-year-old-female

Injury Details:

Upper Chest

Product Details:

PermeaDerm Sheet

Treatment Area:

300 cm²

Comorbidities:

N/A



An 84-year-old female sustained a mixed-depth thermal burn to the upper chest involving a 300 cm² treatment area. Five days after injury, following initial wound care and assessment, **PermeaDerm® was selected to ensure adequate excision prior to placement of an autograft for definitive closure** using a meshed split-thickness skin graft (mSTSG).

PermeaDerm was applied with approximately 10% stretch and secured with staples. The wound was covered with Telfa Clear™ and burn gauze, then secured with Flex Net™, which also served as the compression/securement layer.

At the first outer dressing takedown post-application day 3, the outer dressing regimen (Telfa Clear, burn gauze, Flex Net) was continued. On day 6, PermeaDerm was removed in the operating room and an mSTSG was applied. The treated area was kept dry during use.

In this case, PermeaDerm allowed the surgical team to gauge wound bed readiness prior to grafting, **with the treating team citing practical value drivers including wound visualization and cost/workflow considerations.**

Pre-Excision



Post-Excision



PermeaDerm Application



Day 6 Post-PermeaDerm Application



Day 6 Post-PermeaDerm Application - PermeaDerm Removal



Day 6 Post-PermeaDerm Application - Wound Cleansed



Day 6 Post-PermeaDerm Application - mSTSG Application



Day 7 Post-mSTSG Application



Day 14 Post-mSTSG Application



Day 28 Post-mSTSG Application



Day 56 Post-mSTSG Application



Photos Courtesy of Deepak Ozhatil, MD and Richard Lou, MD (Akron Children's Adult and Pediatric Burn Institute, OH).

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