

Case Study 4: Infected Chest Wound

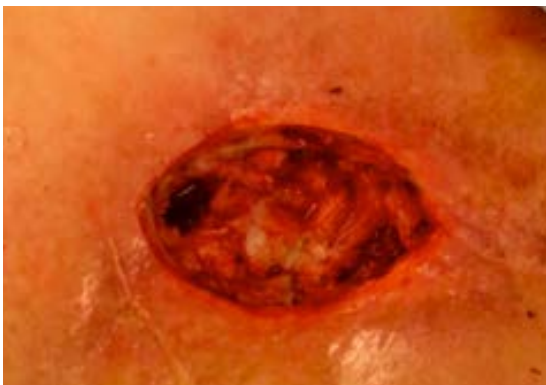
A 43-year-old female presented with an infected chest wound after radiation. Prior to debridement, the wound was visually assessed for infection. Punch-wound biopsy cultures were positive for bacterial bioburden. Patient received systemic antibiotics and wound was debrided. V.A.C. VeraFlo™ Therapy was initiated using V.A.C. VeraFlo™ Dressing. Prontosan® (B. Braun Medical Inc., Bethlehem, PA) was instilled until the foam was filled followed by a soak time of 3 minutes. Instillation was repeated every hour followed by continuous negative pressure at -125 mmHg for 3 days. No complications occurred during therapy, and granulation tissue was present with negative cultures at the time of coverage with a latissimus flap.



A. Radiated chest wound



B. Initial presentation of chest wound



C. Wound after debridement of rib and cartilage and 4 days of V.A.C. VeraFlo™ Therapy



D. Excision of radiated skin



E. 6 weeks following chest wall reconstruction with latissimus flap