APPLICATION OF MODERN DRESSING USING THE MOIST WOUND HEALING METHOD WITH FOAM DRESSING TO ACCELERATE THE HEALING PROCESS OF DIABETIC ULCERS

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ABSTRACT

Background: *Diabetic ulcers are chronic complications of diabetes mellitus that may cause infection, gangrene, and amputation if inadequately treated. Modern wound care using foam dressing maintains a moist wound environment, absorbs exudate, and supports granulation and epithelialization, thereby promoting wound healing.* ***Objective:*** *To describe the implementation of modern wound care using foam dressing in accelerating diabetic ulcer healing.* ***Methods:*** *This descriptive case study involved two patients with diabetic ulcers at Rumah Rara Wound Care Center, Wonogiri Regency. The intervention was conducted for seven days with three dressing changes using foam dressing. Wound healing was assessed before and after the intervention using the Bates-Jensen Wound Assessment Tool (BWAT).* ***Results:*** *Before intervention, Mr. G and Mrs. S had BWAT scores of 33 and 29, respectively, with Grade II ulcers. After intervention, scores decreased to 26 and 24, respectively, with Grade I ulcers. Improvements were observed in wound edges, undermining, periwound skin, granulation tissue, and epithelialization. The BWAT scores decreased by 7 points in Mr. G and 5 points in Mrs. S, indicating wound healing progress.* ***Conclusion:*** *Modern wound care using foam dressing demonstrated favorable outcomes in diabetic ulcer healing by maintaining moisture, reducing exudate, and supporting granulation and epithelialization.*

Keywords: *Diabetes Mellitus, Diabetic Ulcer, Foam Dressing, Modern Dressing, Wound Healing.*