THE EFFECT OF MUROTTAL THERAPY ON THE HEALING OF DIABETIC ULCERS IN PATIENTS WITH TYPE 2 DIABETES MELLITUS AT PEDISCARE IN MALANG CITY

Fuad Maulana, Dr. Arief Bachtiar, S.Kep., Ns., M.Kep
Program Studi Sarjana Terapan Keperawatan Malang, Jl. Besar Ijen Kota Malang
Email: fuad_p17211221001@poltekkes-malang.ac.id

ABSTRACT

Background: *Diabetic ulcers are chronic complications in patients with type 2 diabetes mellitus that require a long healing time due to vascular disorders, prolonged inflammation, and stress that increases the hormone cortisol and inhibits tissue regeneration. Murottal therapy as a non-pharmacological intervention can help reduce stress and support holistic wound healing.* ***Purpose:*** *The purpose of this study was to determine the effect of murottal therapy on healing diabetic ulcer wounds in patients with type 2 diabetes mellitus at Pediscare Malang City. The specific objective was to analyze changes in the condition of diabetic ulcer wounds before and after administration of murottal therapy.* ***Method:*** *The study used a time series experiment design with 34 respondents selected through total sampling. The sampling technique used was non-probability sampling with a total sampling approach, namely the selection of certain subjects from the population based on the objectives and design of the study. The intervention in the form of murottal therapy of Surah Ar-Rahman was given for 14 days. Wound conditions were assessed using the Bates-Jensen Wound Assessment Tool (BJWAT) at the pre-test and post-test stages. Data were analyzed using the Shapiro-Wilk and Wilcoxon Signed Rank Tests.* ***Results:*** *The average wound score decreased from 35.88 in the pre-test to 31.32 in the post-test, indicating an improvement in wound condition after the intervention. The Std. deviation for the pre-test was 2.972 and the post-test was 2.507. The Wilcoxon test showed a significance value of 0.001 ($p < 0.05$), indicating a difference in wound scores before and after murottal therapy.* ***Conclusion:*** *Murottal therapy significantly improved the condition of diabetic ulcers, as indicated by a decrease in wound scores and clinical changes toward healing. This therapy can be used as a complementary intervention in the wound care of diabetic patients.*

Keywords: *Murottal Therapy, Diabetic Ulcers, Type 2 Diabetes Mellitus Patients.*