Abstract

Chronic Diabetic Ulcers are one of the major health problems. Chronic Ulcers can be very well interpreted with Dushta Vrana concept in Ayurved. In Ayurveda various drugs formulations are in use for effective Chronic Ulcer management. Need is to evaluate these hypothesis and drugs with modern research methodology.

Hypothesis: Nimbadikalka formulation mentioned in Ayurved text Shrangadhar Samhita and Bhaishajya Ratanavali has both Vrana Shodhan and Ropan (i.e.Debridement and healing) properties in chronic Diabetic ulcer.

Objectives: Evidence based clinical comparison for local application of Nimbadikalka formulations, mentioned in Ayurved and modern medicine therapy for chronic Diabetic ulcer.

Research Methodology: In this study total 260 patients of Chronic Diabetic Ulcers are voluntary divided in to two equal groups. The group A, patients were treated with Nimbad Kalka as local dressing material. In group B, conventional modern science local dressing material. In group B, conventional modern science local dressing materials like Iodine solution or Hydrogen peroxide (H₂O₂) or Eusol solution are used groups. The oral hypoglycemic agents of modern science are same for both groups. The maximum treatment period is 60 days with daily dressing. The healing assessments are done as per clinical protocol for Ulcer healing.

Results: Chi-square test P value results non- significant which indicate that both group are equally effective So, we used single proportionate test on pulled data as small frequency in major amputation ,minor amputation and deth categories patient’s categories here. After that test is significant so we can conclude that both A and B treatment groups are 83.46% effective. Total 16.53% cases are non-healable with A or B treatment. The control group B is already accepted and proven treatment protocol for chronic Ulcer in the modern medicine.

Conclusion: The tropical application of Nimbad Kalka is effective in Chronic Diabetic ulcers. Both Ayurvedic and Modern medicine are equally effective in chronic diabetic ulcer management.

Keywords: Vrana Shodhan Ropan, Nimbadikalka, Chronic Ulcers, Diabetic Ulcers.