
**“EFFICACY OF TOPICAL PHENYTOIN VS METRONIDAZOLE IN
DIABETIC ULCERS”**

BY

Dr. Chirag P Gowda

Dissertation Submitted to the

ShriDharmasthalaManjunatheshwara University, Dharwad, Karnataka,

In partial fulfillment

of the requirements for the award of degree of

MASTER OF SURGERY

IN

GENERAL SURGERY

Under the Guidance of

Professor Dr. B Srinivas Pai

PROFESSOR AND HEAD OF DEPARTMENT

OF, GENERAL SURGERY



**DEPARTMENT OF GENERAL SURGERY
SDM COLLEGE OF MEDICAL SCIENCES AND HOSPITAL,**

DHARWAD

2020-2023

Abstract

In order to demonstrate that topical phenytoin is a relatively low-cost and simple option for the management of diabetic ulcers, a randomized, double-blinded, controlled clinical trial was carried out. The goal of this study was to compare topical phenytoin to metronidazole wound care in terms of its ability to speed up the healing process. After 10 days of daily dressings containing either powder A (test powder containing topical phenytoin) or powder B (metronidazole), over-18-year-old patients with type 2 diabetes and foot ulcers lasting more than a month . The level of diminishing in the ulcer surface region, pace of granulation tissue arrangement were analyzed between the two gatherings utilizing the unpaired Understudy. p value of less than 0.05 was deemed significant. The two groups of patients had similar demographic and socioeconomic characteristics.