DILTIAZEM 4% TOPICAL FOR CHRONIC ANAL FISSION

Written by Duta C., Neamtu C., Hordovan E., Salim A

Read full article

Article Title: DILTIAZEM 4% TOPICAL FOR CHRONIC ANAL FISSION
Authors: C. Duta1, C. Neamtu2*, E. Hordovan1, D. Barjica1, A. Salim1, B. Totolici2
Affiliation: 1 „Victor Babes” University of Medicine and Pharmacy Timisoara, Second Surgical Clinic, Timisoara, Romania 2 „Vasile Goldiş” Western University of Arad – Faculty of Medicine, Pharmacy and Dental Medicine, Arad, Romania
Abstract: Anal fissure is a relatively common disease in the population. It is estimated that 10-15% of the population is affected. Several studies have evaluated the role of topical treatments for anal fissure, like nifedipine and diltiazem. However, the role of diltiazem as a topical treatment in chronic anal fissure is not well established. In this study, we aimed to evaluate the effectiveness of 4% diltiazem ointment in the treatment of chronic anal fissure. We enrolled 50 patients with chronic anal fissure and randomly assigned them to receive 4% diltiazem ointment or placebo. The primary endpoint was the resolution of fissure symptoms within 2 weeks of treatment. The results showed that diltiazem ointment was more effective than placebo in the resolution of fissure symptoms (p=0.03). This study supports the use of diltiazem as a topical treatment in chronic anal fissure, with a better resolution of symptoms compared to placebo. Keywords: anal fissure, local, topical treatment, diltiazem

*Correspondence: Carmen Neamtu
Str. Gradinarilor Nr.43
Arad, Romania
Mobile: 0723225793
Mail: carmen.neamtu@gmail.com