

A NATURAL PERSPECTIVE ON THE MANAGEMENT OF BURN WOUNDS CAUSED BY ACID AND BOILED WOUNDS

Shivani Shrivastava^{1,*}, Sanjita Das², Saumya Das¹, Renu Singh¹, and Shrutika Dhasmana¹

Received: October 23, 2021; Revised: February 26, 2022; Accepted: March 26, 2022

Abstract

Burns is one of the most traumatic incidents that one can experience. Burns are of various types, depending on the severity and depth of the burn wound. The patient undergoing treatment tolerates a lot, including excruciating pain, infection, and burn scars-related issues. Traditional approaches are one of the most effective methods to treat burn injuries. Traditional remedies have the ability to reduce the risk of infection additionally they are cost-effective and free of side effects. Despite the fact that there are many advanced technologies for burn care, natural treatments are needed to avoid more complications because these technologies can have significant side effects and toxicity. The aim of this review is to provide readers with information on traditional and herbal treatments for both boiled and acid attack burns. This article focuses on natural resources. This is an effort to investigate and study the pathophysiology of acid and boiled burn wounds in order to learn more about how to treat them effectively. Further scientific studies on enlisted natural resources would be useful for better future management of the above-mentioned conditions.

Keywords: Acid Burn; Boiled Burn; Wound; Infection; Traditional Remedy

Introduction

Burn is one type of skin injury. This injury causes damage to delicate tissues (Abdullahi *et al.*, 2014). These changes in delicate tissues caused by burning harm affected area by creating wound along with unbearable pain (Rowan *et al.*, 2015). Burn wound care is very complicated (Georgescu *et al.*, 2016). While receiving treatment, some patients have died as a result of respiratory failure and unbearable pain (Gerling *et al.*, 2001). It has been discovered that

alternating inflammatory responses can speed up the healing of skin scarring caused by burns. Burn wounds are one of the most painful situations which not only affect the patient's health but also cost money for treatment. To avoid such conditions traditional medicaments are highly recommended (Lateef *et al.*, 2019). Particularly flavonoids, alkaloids, saponins and phenolic compounds are the major dynamic constituents present in various

¹ Noida Institute of Engineering & Technology (Pharmacy Institute) 19, Institutional Area, Knowledge Park II, Greater Noida, Uttar Pradesh 201306 and 7982862594, E-mail: sshrivastava702@gmail.com; swasthi.saumya22@gmail.com; shrutipharma.itsn@gmail.com; renusingh081999@gmail.com

² Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University, Plot No. 2, Sector 17A, Yamuna Express way, Greater Noida, Uttar Pradesh 203201 and 9818223359, E-mail: Sanjita8@yahoo.co.in

* Corresponding Author