

Título del Trabajo:

Reverse circumcision foreskin advancement flap for reconstructing penile shaft skin defects in adults with burn injuries in the perineal region

Título del Trabajo en Inglés:

Reverse circumcision foreskin advancement flap for reconstructing penile shaft skin defects in adults with burn injuries in the perineal region

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Área de Investigación:

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Introducción:

Introduction Severe circumferential burns to the penis are unusual injuries because the genitals are protected from direct fire, chemicals, and hot liquids [1]. Therefore, reconstructing penile shaft skin defects in burn patients is challenging for surgeons [2]. These rare injuries are usually associated with perineum, thigh, and abdominal burns [3]. Traumatic

Objetivo:

Genital burns are rare injuries. Reconstruction of penile skin defects should consider cosmetic and functional outcomes. Skin grafts may develop scar contractures and bear hair follicles, causing unwanted results. These downsides remain unsolved issues. This work aimed to describe a new foreskin advancement flap method for completely reconstructing

Metodología:

From 2021 to 2023, four patients with third-degree burns in the genital area were enrolled in this research. We describe a series of cases with deep burns on the penile shaft and surrounding area that needed debridement and reconstruction using a novel technique named "reverse circumcision," which consists of tangential excision of the penis and a foreskin advancement flap without longitudinal cuts with less morbidity, preservation of function, and a better aesthetic appearance. Patients had an average follow-up of nine months.

Resultados:

The reverse circumcision technique was established for patients with severe burns in the genital area. The four patients were satisfied with the postoperative results and the aesthetic outcome of the procedure without reporting any complications. No scarring or contractures were observed on the glans or penile shaft after surgery

Conclusiones:

The reverse circumcision foreskin advancement flap proved to be more straightforward, feasible, and effective than other flap methods. In adults, the foreskin tissue completely covers the penile shaft skin defect. It is a viable reconstructive surgical technique that is easily reproducible and has excellent aesthetic and functional results.