

Experienced with Nanocellulose Epicite^{hydro} for superficial and deep partial thickness burns

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Abstract

The low-income countries usually haven't equipment to establish the diagnosis of partial thickness burns, since there is no equipment such as laser Doppler, however, is necessary cover the wound with a dressing to prevent the wound drying and perhaps starting the treatment of the burn.

Objective: Present the experience in two Burn Units with Epicitehydro as a first line dressing in patients with superficial and deep partial thickness or indeterminate burns by scald.

Materials and Methods: Patients with scald burns whom arrive in first 48 hours and accepted the use of Epicitehydro.

Results: 50 patients, age between 1 and 35 years. There were 29 males and 21 females. TBSA involvement varied between 2 to 54%, the superficial thickness was the most often. Time average from burn to the application of Epicitehydro were 26 hours. All the patients presented a satisfactory evolution, so we waited until 5th or 7th day to proceed to remove the dressing and we observe: epithelialization in 100% if TBSA was less than 5%; epithelialization in 95% if TBSA less than 10% and the patients with more than TBSA >11% had epithelialization between 80 to 90% and someone required autograft or allograft to obtain a complete epithelialization. Also, we observed decreased in the inflammatory response and pain.

Conclusions: The use of this new dressing promotes fast and excellent epithelialization in superficial and deep partial thickness injury, especially scald burns. In addition, we found, no pain during use and removal of the dressing and there were no infections.

Biography

Pablo Rodriguez-Ferreya has completed his PhD at the age of 25 years from Universidad Nacional Autonoma de México and Center Medical Century XXI Mx. He is the chief of staff in the Children Burn Unit of Mexico State and has been professor of general surgery in the Universidad Autonoma del Estado de México, working as general surgeon and chief of staff in the General Hospital of Toluca, México. He has over 10 publications.

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