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Application of Polyethylene Cling Film to Underpin Moist Burn Wound Therapy

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Abstract

Background

Dermal burns (partial thickness burns) are the most painful trauma with two types of pain background pain with additional procedural pain, one of the best tolerable mode of treatment that commonly used now adays is treatment with MEBT ointments to maintain the moist and warm wound environment suitable for regeneration of epidermal cells, and to reduces pain. Moist wound dressings retain moisture, heat, body fluids, and biofilm with medication. The assumption is that the polyethylene film will maintain the ointment and its effect more than to be used merely.

Patients and methods

Prospective study to evaluate treatment of patients with partial thickness burns conservatively with MEBT ointment as a control group and MEBT ointment + Cling Film, 63 patients being admitted to the burn center at Azadi teaching hospital during a period of one year starting from June 2018 till June 2019. The inclusion criteria including all patients between 10-95% partial thickness burns of various age, sex and skin types.

Results

Very much decrease in procedural and background pain, better joint movement in physiotherapy decrease in crust formation, increase maceration of eschar, better cost- effectiveness, less days of hospital stay. Aim; in Iraq circumstances we have to use the most cost effective measures to reach our goals in managing the burn wounds the moist trend which is now being proved it gives better healing with less pain, with best criteria of wound dressing .

Conclusion

Easily applicable, less painful, non-coasty over all, better condition of patient during course of management, reduced length of hospital stay and lower treatment costs, appropriate wound healing with living tissue , less joint stiffness problems.

Author Keywords
partial thickness burns, MEBT ointment + Cling film, burn pain, MEBT ointment =Moist Exposed Burn Therapy Ointment. BSAB = Body surface area burned

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