FIRST EXPERITNCE WITH GIDROGEL ON THE TREATMENT BURN WOUND IN ACUTE PERIOD

Pidchenko N.E., Sachkov A.V., Borisov V.S.,
Kaplunova M.Y., Svetlov K.V.

Burn Center of the N.V. Sklifosovsky Institute for Emergency Medicine, Moscow, Russia

Objective: to evaluate the efficiency of hydrogel «Burnshield» in the treatment of burn wounds in first 24 hours after burns.

Material and method: the study 12 patients with burns of I-II degree with burn area 1-7% TBSA (4.9 ± 1.33 ; Me 5) who asked for help at the clinic of the burn center up to 60 minutes after the accident. We applied on burn wound hydrogel «Burnshield» and spray hydrogel «Burnshield». We evaluated analgesic (visual analogue scale (VAS) and healing effects.

Results: on the face epithelialization of burn wounds occurred in terms of 7.55 ± 1.15 days (Me 7.5). Hydrogel «Burnshield» composed of 96% water and 1.03% Melaleuca alternifolia (tea tree oil), which quickly cools and anesthetizes the burn wound, creates a moist environment and provides the necessary protection against burns from infection: pain was assessed for face burns 2.5 ± 1.1 points on VAS. In no case generalization of the inflammatory process was observed.

before

after

before

after

before

after

Conclusion: hydrogel «Burnshield» is an very effective for local treatment of patients in first 24 hours after burns.

18th European Burns Association Congress
04. 09. –07. 09. 2019 Helsinki, Finland