EARLY SURGICAL TREATMENT OF BURNS USING WOUND COVERINGS

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3 day after injury, formation of dermal burn necrosis

Tangential necrectomy with dermatome

The bottom of the wound after excision of necrosis, the lower layers of the dermis

Wound closed suprathel

3 day after surgery

7 day after surgery, beginning of epithelialization

8 day after surgery, active epithelialization

9 day after surgery, result of treatment

Aim. To develop methods of early surgical treatment of deep dermal burns with wound dressings.

Methods. Annually in the center 1,300 treated patients with burns (including 700 children). Running up to 2000 operations. In 500 patients with deep dermal burns are performed annually in the early necrectomy 2-5 days after injury to the closure of wound dressing wounds. Since 2015 applies «Suprathel». In order to create optimal conditions for the epithelialization of deep dermal burns after necrectomy the wound impose «Suprathel».

Results. After necrectomy to the lower layers of the dermis perform napkins with epinephrine hemostasis for 5-7 minutes. Then superimposed sterile wound covering «Suprathel», which is fixed with a bandage. Subsequently, only cosmetic dressings performed starting from the third day after surgery. Wound coatings are not removed until complete epithelialization of wounds. Epithelialization occurs depending on the depth of burns 8-12 days after surgery. When staged surgical treatment of painful dressings with ointments, without «Suprathel», made every other day for 15-21 days.

Conclusion. In combustiologic clinical picture of wound healing is diverse and depends on the stage of wound healing and burn depth. In the traditional, staged surgical treatment of deep dermal burns tend to deepen with the formation of granulation tissue and the need to follow autoplasty. A more preferred method of treatment of deep burns is a method of early surgical treatment, in which the crust is removed in the early stages after the burn, and the wound is closed wound coverings. Research result has been an advantage once the surgical treatment of wounds using «Suprathel» to the local conservative treatment with long-lasting dressings.