

EFFICIENCY OF MEDICAL MAGGOTS APPLICATION FOR THE LOCAL
TREATMENT OF FULL THICKNESS BURNS IN CLINICAL PRACTICE

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For the recent time the treatment of burn trauma was generally improved, especially the death rates were markedly decreased and the treatment of superficial burns is giving satisfying results. The treatment results for the full thickness burns, are still remaining less satisfying, there are higher rates of disability, hypertrophic scarring and need for long term rehabilitation for such patients. As is known rapid debridement of burn wound bed is one of the important steps for full thickness burn treatment.

In this article the effectiveness of medical maggots application for the treatment of local full thickness burns was studied. 80 patients with various etiology full thickness burns and less than 15% of TBSA were included in current study, the medium age of patients was 49 +/-15. Two study groups were defined, the control group received treatment with mechanical debridement and dressing of wounds, and in the study group beginning from the 7-10 days after burn medical maggots were used. For the evaluation of the wound bed condition during treatment various methods were used including wound assessment scale, cytology, and digital planimetry. One sample Students T test was used for the comparison of study groups.

According to our data the use of medical maggots was more effective for the rapid and selective debridement of the burn wound bed. Also the use medical maggots was accompanied with simulation of wound healing process, which was observed in clinical and cytological findings. The application of medical maggots was also effective for the rapid preparation of wound bed for the skin grafting, no rejection cases were observed in the study group, meanwhile 5 patients had skin grafts rejection in control group.

Conclusion: The use of medical maggot is effective for the debridement of the local full thickness burn wounds, and for the rapid preparation of wound bed for the skin grafting