

TREATMENT OF PARTIAL THICKNESS BURNS WITH AN ENZYME ALGINOGEL®

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INTRODUCTION

The purpose of the case report is to examine the activity of an enzyme alginogel® in the treatment of partial and superficial burn wounds, and to compare the effectiveness of the enzyme alginogel with our current routine therapy. The secondary objective was to adapt our current wound care protocol according to the new evolutions in wound management.

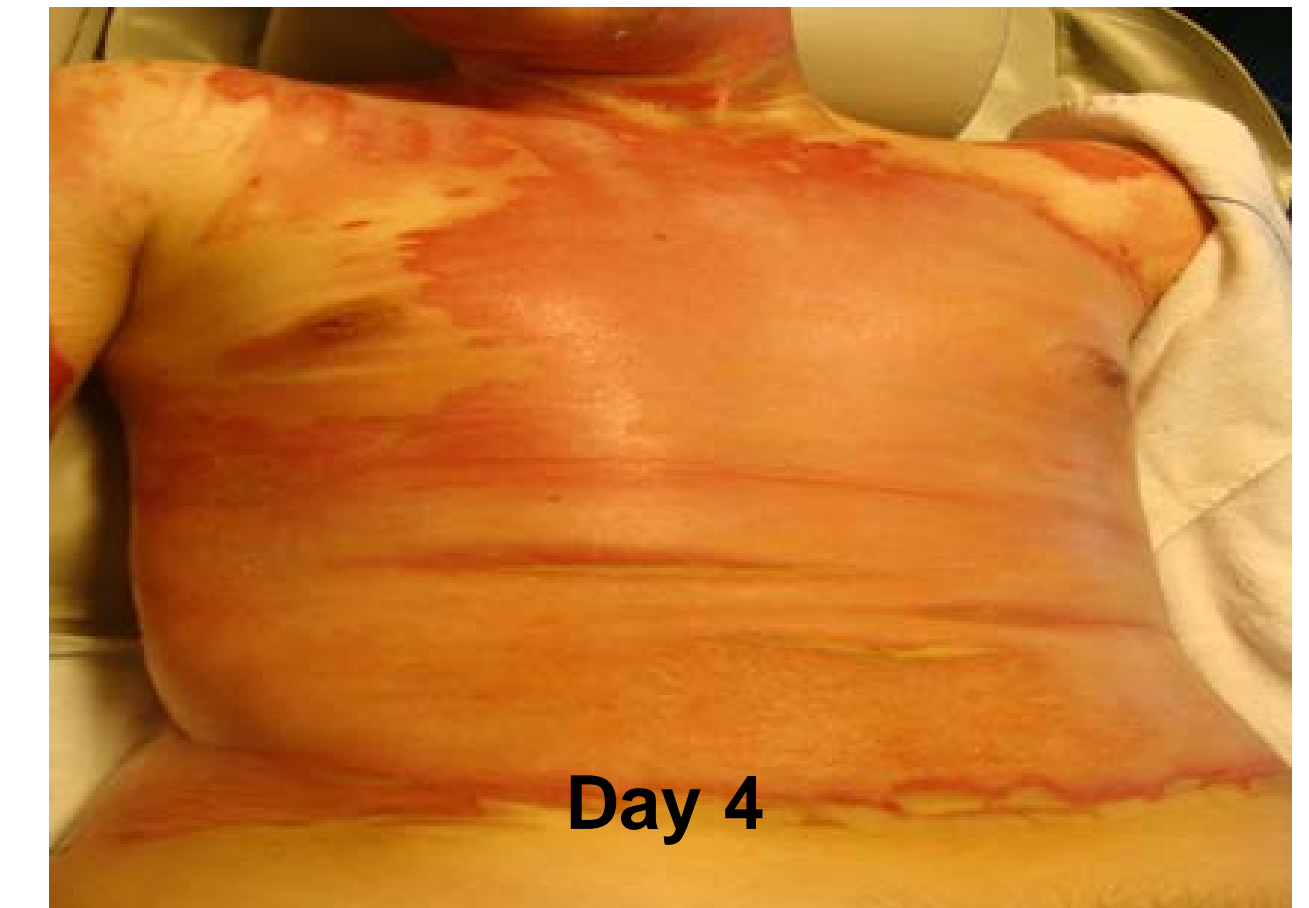
TREATMENT

A patient was hospitalized after a burn injury caused by an explosion of a hot water tank. After stabilization of the patient, hydro debridement was started. The paramedic team decided to apply an enzyme alginogel to the wound bed. Normally they use silver sulfadiazine crème for this kind of wounds. Wound care was given and evaluated every day during 15 days.

RESULTS

A significant improvement of the re-epithelialisation time was observed. After 15 days, the wound bed was closed.

During the wound care period no infections were noticed. Wound evolution was easily controllable and the patient felt comfortable at all times. At this point the treatment with the enzyme alginogel® was effective. For our new wound care protocol we need to improve the observations, mainly by applying the T.I.M.E. principles. We also need a better communication between the caregivers. The new adapted wound protocol needs to be implemented in our team, by training the nurses as well as doctors.



CONCLUSION

The clinical outcome illustrates the effectiveness of an enzyme alginogel® in the treatment of partial thickness burn wounds within 15 days of treatment.