Experience with MEBO in treating male genital organ deep burn wounds

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【Abstract】Objective: To investigate an efficacious method for treating male genital organ deep burn wounds. Method: 6 cases of male genital organ deep burn wounds were treated with MEBO. Results: All the wounds healed with no scar or very few scar. Conclusion: MEBO is a good remedy for treating male genital organ deep burn wounds.

【Key words】MEBO; Deep burn wounds; Male genital organs.

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Six cases of extensive burn wounds complicated with deep burns of the penis and scrotum had been treated in this hospital since 2000 to 2001. In order to observe the curative effects of MEBO Burn Ointment (MEBO) on burns of male genital organs, the burns of male genital organs were all and singularly treated with MEBO and that of other parts with traditional therapy. It was found that MEBO treatment could heal the same deep burn wounds in comparative shorter time, gained satisfying results and preferably preserved the functions of genital organs.

I Clinic Data

As follows, this group includes six cases of burns of male genital organs, and their wound conditions and systemic data are collected and listed in Table I.

Table I Clinic Data

<table>
<thead>
<tr>
<th>Serial number</th>
<th>Age</th>
<th>Injurious cause</th>
<th>TBSA</th>
<th>Position</th>
<th>Depth</th>
<th>Healing time</th>
<th>After healing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>25</td>
<td>Melton steel</td>
<td>53%</td>
<td>Penis and scrotum</td>
<td>Deep second-degree</td>
<td>25 days</td>
<td>Wound healing without scar formation</td>
</tr>
<tr>
<td>2</td>
<td>33</td>
<td>Melton steel</td>
<td>97%</td>
<td>Penis and scrotum</td>
<td>Third-degree</td>
<td>In the process of wound healing</td>
<td></td>
</tr>
</tbody>
</table>
II The Therapeutic Method

After hospitalized, the necrotic epidermis was cleaned immediately, but the patient need not thorough debriedement. Then, 3mm-depth MEBO was applied to the wounds. In the early 12 hours, cleaned and applied ointment once, and after 48 hours, cleaned and applied ointment every six hours. As necrotic tissues gradually fell off, neo-developed tissues were shown out, then cleaned and applied drug every four hours. Synchronously, the wounds were protected by two-layer gauze in order to prevent from the contaminations of stool, urine and air. Besides, the ointment on wounds should be timely supplied for its reduction caused by the patients’ activities in their beds.

III Curative Effect Observation

During the process of treatment, the wounds of the penis and scrotum did not scab, crack or bleed, and the patients did not feel any pain. Except one still was in the process of wound healing, the healing time of other five cases on average was 35.8 ±6.5 days. The wounds were healed with little or no scar formation. The genital organs had normal configuration and no erection dysfunction. The patients were able to enjoy natural sexual life.

IV Discussion

Male genital organs mainly consist of penis and scrotum. Because the parts are located at concealed positions and have more skin wrinkles, it is not easy to clean and remove necrotic tissues post injured. It mostly will not gain ideal curative effects if deep burns of male genital organs were treated by traditional Western therapeutic methods. For example, if the wounds are treated by the dry exposed therapy, the thoroughly exposed parts tend to scab, crack and bleed caused by patients’ activities. This must bring suffering to the patients. Furthermore, the tissues are indolence after scar formation. Following the general therapeutic method, the scars will be removed after two weeks to make the wounds scab again. As a consequence, the wounds must be indolence with seriously scar formation and finally cause dysfunction.
Besides, the deficiently exposed parts will not scab and the necrotic tissues cannot be momentarily removed which often cause infections, even form fistula on skin of scrotum. Another example, epidermization is inconvenient to be operated. Moreover, after the operation, the survival rate of skin graft usually is low and serious scars are easy to be formed. However, MEBO can promote the liquefaction and discharging of the necrotic tissues to guarantee unobstructed drainage of the wounds, so the wounds can be kept in a moist environment suitable for regeneration to ensure healing in the shortest time [1]. In this group, except one still was in the process of wound healing, the healing time of other five cases on average was 35.8 ± 6.5 days. Additionally, the patients of extensive burn wounds, different from the ones of simple perineum burns, undergo bad systemic conditions, serious infections and indolence of the wounds. All of these heavily restrain the healing of the deep burns on male external genitalia. Nevertheless, the application of MEBO on the earlier stage post injured can heal the burns as soon as possible and preserve the functions of genital organs, especially male sexual function that are always ignored in the early treatment for extensive burn wounds. Therefore, it is considered that the application of MEBO in the early therapeutic period can achieve comparatively ideal curative effects in treating the extensive burns complicated with deep burns of male genital organs.

References


【Brief Introduction of the Author】

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