PILONIDAL SINUS WOUNDS: SECONDARY INTENTION HEALING WITH A PLANT-BASED WOUND THERAPEUTIC

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OBJECTIVE/METHOD

Pilonidal sinus is a chronic infection of the skin in the region of the buttock crease. It is thought that the condition results from a reaction to hairs embedded in the skin, commonly occurring in the cleft between the buttocks. The objective of this study was to evaluate the effectiveness of in secondary intention healing of Pilonidal Sinus Wounds. 21 consecutive patients with a pilonidal sinus wound following a surgical excision were analysed retrospectively.

RESULTS

<table>
<thead>
<tr>
<th>TEST PARAMETER</th>
<th>OPEN HEALING</th>
<th>OPEN HEALING (LITERATURE)</th>
<th>PRIMARY CLOSURE (LITERATURE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time to wound healing</td>
<td>48 days</td>
<td>64-91 days</td>
<td>15-27 days</td>
</tr>
<tr>
<td>Rate of surgical site infection</td>
<td>0%</td>
<td>7-22%</td>
<td>7-22%</td>
</tr>
<tr>
<td>Recurrence rate (follow-up period &gt; 1 year)</td>
<td>0%</td>
<td>6.9%</td>
<td>16.4%</td>
</tr>
<tr>
<td>Time to return to work</td>
<td>14 days</td>
<td>17-28 days</td>
<td>11-15 days</td>
</tr>
</tbody>
</table>

Chart: Average time (days) to wound healing, rate of infection (%) and recurrence rate (%) - study result compared to literature

Patients treated with ①
Open healing (literature)
Primary closure (literature)
20-year-old female patient with a 4cm deep and 19 cm² large pilonidal sinus wound

“The average time to wound healing for the 21 patients treated with was 48 days, which appears faster than healing rates found in literature for secondary healing. This is a clear indication for the impressive granulation effect resulting from the application of, which led to a progressive filling up even of large skin defects.”

“Taking all observed factors together, the application of clearly has the potential to offer clinical and economic benefits, making the secondary healing of pilonidal sinus wounds more effective.”

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