Diabetic foot ulcers

Compared to saline moistened gauze

- "...[AQUACEL® dressing]... may be preferable not only in terms of efficacy, but also in terms of safety"

Study details

<table>
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<tbody>
<tr>
<td>Number of patients</td>
<td>20</td>
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<tr>
<td>Inclusion criteria</td>
<td>Age 18-75 years, type 1 or type 2 diabetes for over 5 years, foot ulcerations for more than 3 weeks, &gt;1cm wide and 1cm deep, good peripheral blood supply, with palpable peripheral pulses or an ankle-brachial pressure index &gt;0.9</td>
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<td>Wound type</td>
<td>Ulcers due to diabetic neuropathy, or surgical drainage of a previous infection, or both</td>
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Design

A study of cutpatients with diabetic foot ulcers attending a foot clinic, comparing AQUACEL® dressing with saline moistened gauze.

Results

- AQUACEL® dressing contributed to significantly faster healing than saline moistened gauze (127 days versus 234 days) (P<0.001)
- Rate of granulation and reduction in lesion volume were significantly better in ulcers managed with AQUACEL® dressing than those managed with saline moistened gauze (60% and 50% vs 32.5% and 35%, respectively)
- Patients managed with AQUACEL® dressing underwent dressing changes on average every 2.1 days compared to 2.4 days for patients managed with saline-moistened gauze

\[\text{AQUACEL® dressing} \quad 127 \text{ days} \]

\[\text{Wounds healed in nearly half the time}\]

\[\text{Saline-gauze} \quad 234 \text{ days}\]

Conclusion

"...[AQUACEL®]... dressing were shown to be safe, effective and well tolerated in the management of non-ischaemic, non-infected deep diabetic foot ulcers."