The right dressing does make a difference

“A post-operative dressing regimen using Mepore™ dressing covering AQUACEL™ dressing was compared to a new dressing regimen of DuoDERM™ Extra Thin dressing covering AQUACEL™ dressing after application of a liquid film forming acrylate. A subsequent study demonstrated no enhancement of the new dressing regimen by the acrylate.

“Equivalent performance of AQUACEL™ SURGICAL cover dressing to DuoDERM™ Extra Thin dressing covering AQUACEL™ dressing demonstrated in in vitro testing.”
Surgical site complications can be a cause for concern

Patients with surgical incisions can experience the following post-operative complications:
- Surgical site infection
- Blistering
- Bleeding
- Pain and discomfort during movement
- Pain and trauma at dressing changes

Potential consequences of surgical site infection:
- Delayed healing
- Revision surgery
- Systemic illness (e.g., sepsis)
- Extended hospital stay
- Associated increased cost
- Death

Conventional gauze based dressings can:
- Become rigid and uncomfortable
- Require frequent changes
- Cause maceration
- Provide limited protection from contamination

All of these complications can translate to increased time, expense and concern for the patient’s well-being
AQUACEL™ SURGICAL and AQUACEL™ Ag SURGICAL cover dressings

Evidence supports that, compared to a non-woven post-operative surgical cover dressing, AQUACEL™ SURGICAL and AQUACEL™ Ag SURGICAL cover dressings:

- reduce superficial surgical site infection (SSI)
- reduce skin blistering
- reduce incidence of delayed discharge
- require fewer dressing changes

An innovative design proven to handle post-operative challenges

Skin-friendly hydrocolloid technology flexes with the skin during body movement

Patented Hydrofiber® Technology absorbs and locks in fluid, including harmful bacteria

Unique construction enhances extensibility and flexibility

Polyurethane film provides waterproof viral and bacterial barrier (when intact and with no leakage)

*A post-operative dressing regimen using Mepore™ dressing covering AQUACEL™ dressing was compared to a new dressing regimen of DuoDERM™ Extra Thin dressing covering AQUACEL™ dressing after application of a liquid film forming acrylate. A subsequent study demonstrated no enhancement of the new dressing regimen by the acrylate.

*Equivalent performance of AQUACEL™ SURGICAL cover dressing to DuoDERM™ Extra Thin dressing covering AQUACEL™ dressing demonstrated in in vitro testing.
Dressings can impact your clinical outcomes

A prospective comparative evaluation was conducted involving 428 patients undergoing total hip or total knee arthroplasty. Patients received either the hospital’s then-standard dressing regimen (Mepore™ dressing covering AQUACEL™ dressing), or a modified dressing regimen of AQUACEL™ dressing covered with DuoDERM™ Extra Thin dressing (the main components of AQUACEL™ SURGICAL cover dressing) after application of a liquid film-forming acrylate. The modified dressing regimen was not enhanced by the addition of the acrylate.1

<table>
<thead>
<tr>
<th></th>
<th>Modified dressing regimen</th>
<th>Standard regimen</th>
<th>p-value</th>
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</thead>
<tbody>
<tr>
<td>N</td>
<td>242</td>
<td>186</td>
<td></td>
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<tr>
<td>Superficial surgical site infection</td>
<td>1%</td>
<td>3%</td>
<td>&lt;0.03</td>
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<tr>
<td>Blisters</td>
<td>2%</td>
<td>18%</td>
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<tr>
<td>Mean wear time (days)</td>
<td>3.7</td>
<td>2.3</td>
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<tr>
<td>Mean no. of dressing changes</td>
<td>1.5</td>
<td>3.2</td>
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<tr>
<td>Delayed discharge</td>
<td>1%</td>
<td>5%</td>
<td>&lt;0.02</td>
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</table>

88% reduction1
67% reduction1
80% reduction1

88% reduction

67% reduction

80% reduction

1 AQUACEL™ detailed aid (UK) AQUACEL-AQUACEL Ag SURGICAL Detail Aid.qxd:AQUACEL_AQUACEL Ag SURGICAL Detail Aid 09/07/2010 13:51 Page 5
The science behind AQUACEL™ SURGICAL and AQUACEL™ Ag SURGICAL cover dressings

Advanced, patented Hydrofiber® Technology

**Locks in fluid and traps bacteria**\(^7\)

- May help minimise cross-infection during removal.\(^8\)
- Helps protect peri-wound skin by helping reduce the risk of maceration.\(^9, 10\)

**Contours to the wound**\(^11\)

- Minimises “dead space” where bacteria can grow.
- Designed to maintain intimate contact with the incision even during joint flexion.

**Responds to levels of fluid by forming a cohesive gel**

- Maintains a favorable environment for healing.
- Reduces pain associated with frequent dressing changes.\(^12, 13\)
- Helps balance the inflammatory response.\(^14\)
- On-demand silver availability.\(^15c, d\)

*As demonstrated in vitro
*Applies to equivalent antimicrobial activity of AQUACEL™ Ag SURGICAL cover dressing

Skin-friendly hydrocolloid technology

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
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<tbody>
<tr>
<td>The polyurethane film provides a viral and bacterial barrier (when intact and with no leakage)</td>
<td>Reduces risk of infection</td>
</tr>
<tr>
<td>Conformable</td>
<td>Allows for patient mobility</td>
</tr>
<tr>
<td>Waterproof film</td>
<td>Allows for patient bathing or showering</td>
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</table>
For incisions that are infected or at risk of infection choose AQUACEL™ Ag SURGICAL cover dressing.

The Hydrofiber® Technology in AQUACEL™ Ag SURGICAL cover dressing provides rapid and sustained antimicrobial activity in in vitro testing\(^{15-17}\):

- Use of silver dressings for incisions that are infected or at risk of infection can inhibit the progression of bacterial penetration\(^{18}\) or prevent reinfection\(^{19}\).

- The ionic silver in Hydrofiber® Technology in AQUACEL™ Ag SURGICAL cover dressing starts killing a broad spectrum of pathogens, including MRSA and VRE, within 30 minutes of exposure to the dressing\(^{16}\).

- The silver in Hydrofiber® Technology in AQUACEL™ Ag SURGICAL cover dressing provides sustained antimicrobial activity for 14 days as demonstrated by in vitro studies\(^{16}\).

*Ionic silver kills pathogens for up to 14 days.*
Enhance the patient experience
enhance your clinical outcomes

Product information

<table>
<thead>
<tr>
<th>Name</th>
<th>Dressing size</th>
<th>For incisions up to</th>
<th>Dressings per box</th>
<th>MPC Code</th>
<th>NHS Code</th>
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<tbody>
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<td>AQUACEL™ SURGICAL cover dressing</td>
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Try AQUACEL™ SURGICAL and AQUACEL™ Ag SURGICAL cover dressings in your protocol of care and discover the difference¹

- Reduced superficial surgical site infection (SSI)
- Reduced skin blistering
- Reduced delayed discharge
- Reduced dressing changes
- Facilitates mobility
Other products from ConvaTec to help manage surgical wounds

Other ConvaTec products with patented Hydrofiber® Technology that may be used to manage:

- Donor sites
- Excised abscesses
- Pin and tube sites
- Drainage sites
- Sinus tracts
- Open surgical incisions

AQUACEL™ dressing – A soft, sterile, highly conformable primary dressing that can be left in place for up to seven days. For moderately to highly exuding chronic and acute wounds. Available as a pad or ribbon dressing.

AQUACEL™ Ag dressing – Contains ionic silver to provide broad-spectrum antimicrobial activity inside the dressing. Indicated for the management of infected wounds and wounds at risk of infection. Available as a pad or ribbon dressing.

See package inserts for complete indications and instructions for use.

References


Find out more about AQUACEL™ SURGICAL and AQUACEL™ Ag SURGICAL cover dressings visit www.convatec.com or call Helpline freephone:
UK: 0800 289 738, ROI: 1800 946 938

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