

Protected

 smith&nephew

Protection for every
post-operative wound

Post-operative dressing risk management continuum



At Smith & Nephew, we believe that when a break occurs in the skin, using a barrier dressing should be the first strategy in the management of wounds.

We offer a comprehensive range of post-operative dressing solutions to suit every patient's needs.

It's all about protection; whether it's a low risk or high risk wound.

The following pages provide an overview of the different options available.



OPSITE[◇] Post-Op

Optimum healing environment

OPSITE Post-Op provides an optimal balance between excess wound exudate and the amount of fluid required for moist wound healing, which may explain the improved healing rate observed with this dressing.¹

Patient and nurse satisfaction

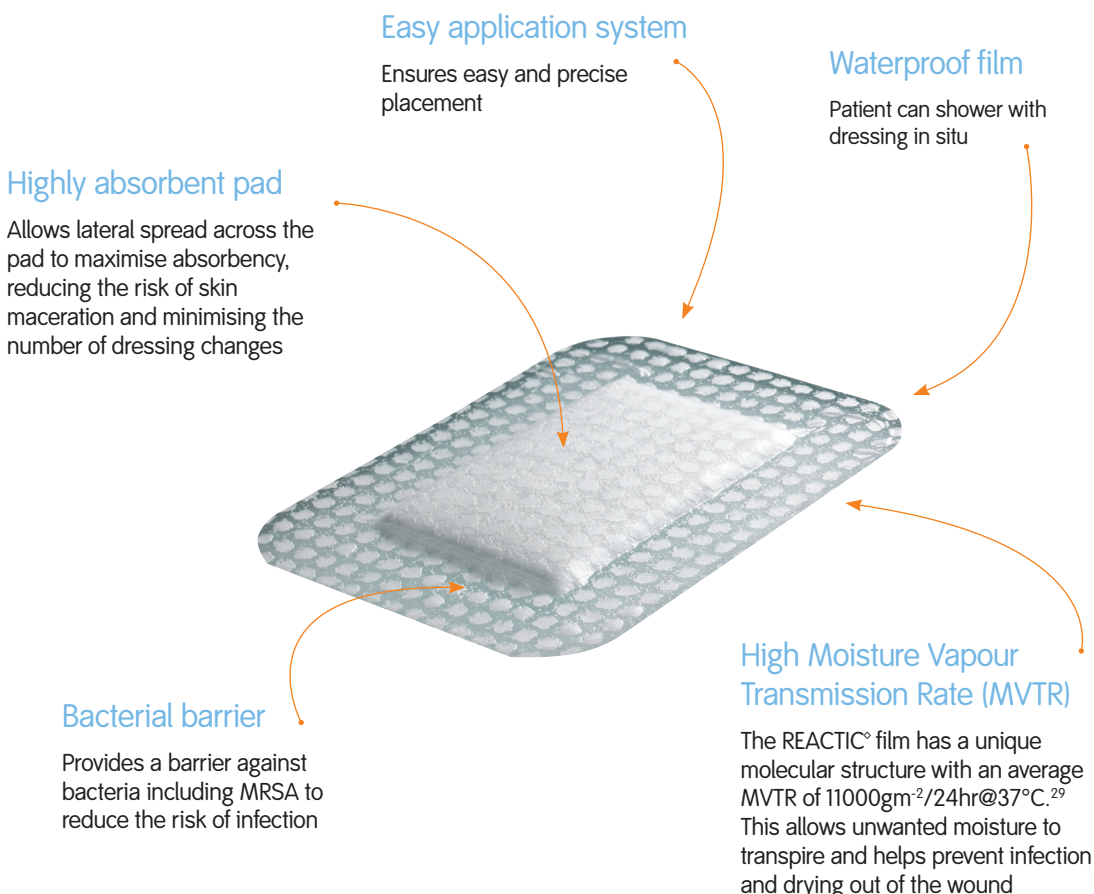
Patient satisfaction was significantly better in the OPSITE Post-Op group with 90% of patients rating the dressing as excellent.²

Mean wear time

Mean wear time of OPSITE Post-Op has been shown to be twice as long as a non-woven dressing,³ which could contribute to lower treatment costs.

Help prevent blistering

*'...OPSITE Post-Op... was found to cause less blistering and was therefore associated with fewer wound complications, potentially leading to a shortened hospital stay.'*¹



OPSITE[◇] Post-Op Visible

Vital protection against serious consequences

Provides an impermeable barrier against bacteria¹⁸, including MRSA (*in vitro*)⁴, to reduce the risk of surgical site infection.

Continual monitoring

Patented design allows continual monitoring of the incision site without the need to disrupt the healing process.

*'providing both visibility and absorbency to promote longer wear times and fewer unnecessary dressing changes.'*⁵

Help prevent blistering

In patients undergoing total hip and knee replacement surgery OPSITE Post-Op Visible has been shown to reduce the rate of skin blistering from 14% to 8%.⁶

*'its elasticity allowed for post-operative oedema and did not restrict limb movement.'*⁶

Patient satisfaction

'Patients reported satisfaction with the dressing and stated they found it exceptionally comfortable and conformable.'

*It also gave them confidence as they felt protected from the risk of infection.'*⁷

High moisture vapour transmission rate (MVTR)

The REACTIC[◇] film has a unique molecular structure with an average MVTR of 11000gm⁻²/24hr@37°C.²⁹ This allows unwanted moisture to transpire and helps prevent infection and drying out of the wound

Bacterial barrier

Provides a barrier against bacteria¹⁸, including MRSA (*in vitro*), to reduce the risk of infection⁴

Waterproof film

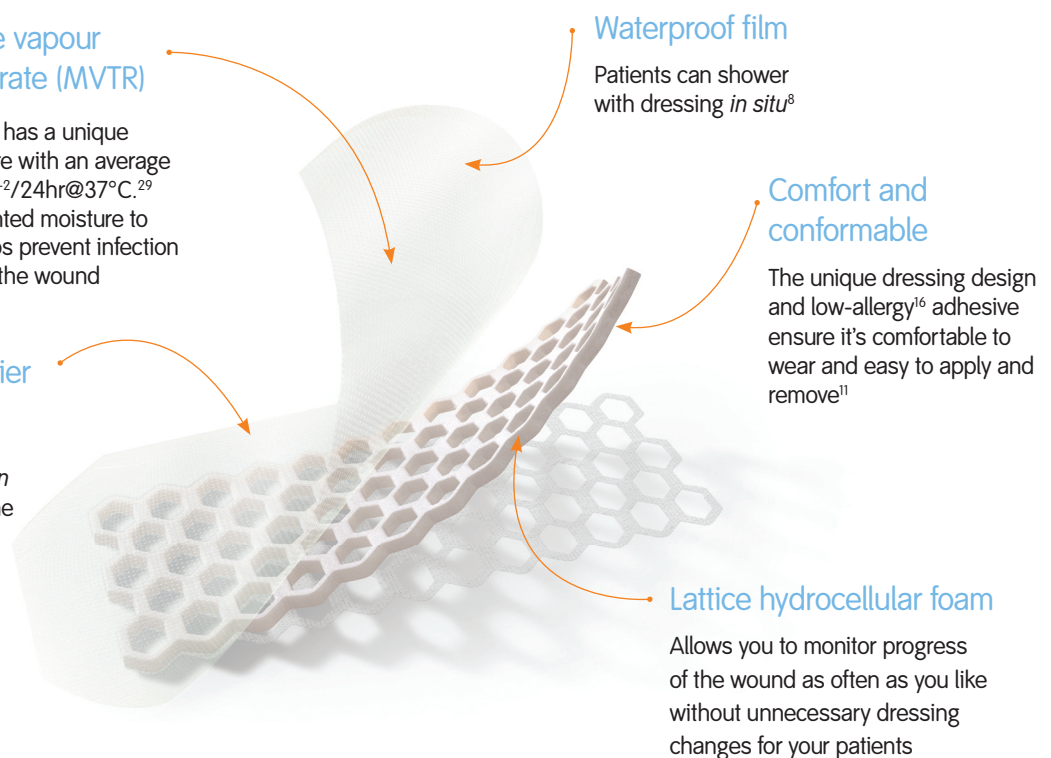
Patients can shower with dressing *in situ*⁸

Comfort and conformable

The unique dressing design and low-allergy¹⁶ adhesive ensure it's comfortable to wear and easy to apply and remove¹¹

Lattice hydrocellular foam

Allows you to monitor progress of the wound as often as you like without unnecessary dressing changes for your patients



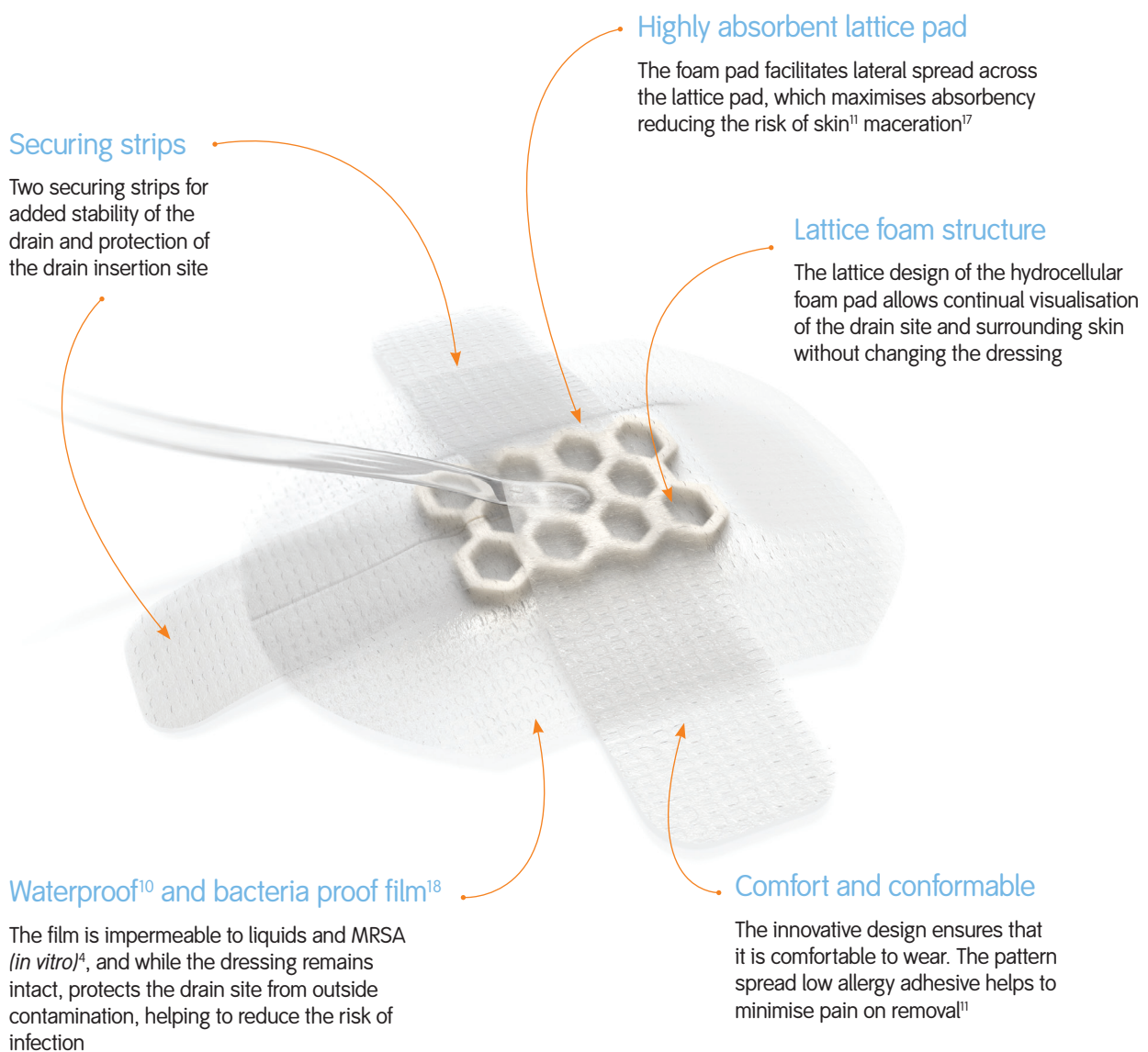
New!

OPSITE[◇] Visible Drain Dressing

Patented design

The new OPSITE Visible Drain Dressing has a triple layer construction which combines a low adherent wound contact layer,⁹ hydrocellular lattice foam pad, a highly permeable waterproof film¹⁰ and two film securing strips.

It is designed specifically for dressing drainage tubes and other percutaneous catheters.



New!

ACTICOAT[◇] Post-Op

Designed to protect high-risk surgical wounds

Delivers a powerful and long lasting antimicrobial effect^{19,20,21} and is bactericidal on over 150 pathogens including MRSA, VRE and fungal organisms *in vitro*⁸, sustaining this activity for up to 7 days.²⁰

A study on lower extremity revascularisation wounds found wound complications in the ACTICOAT group were found to be 64% lower than the control group.²²*

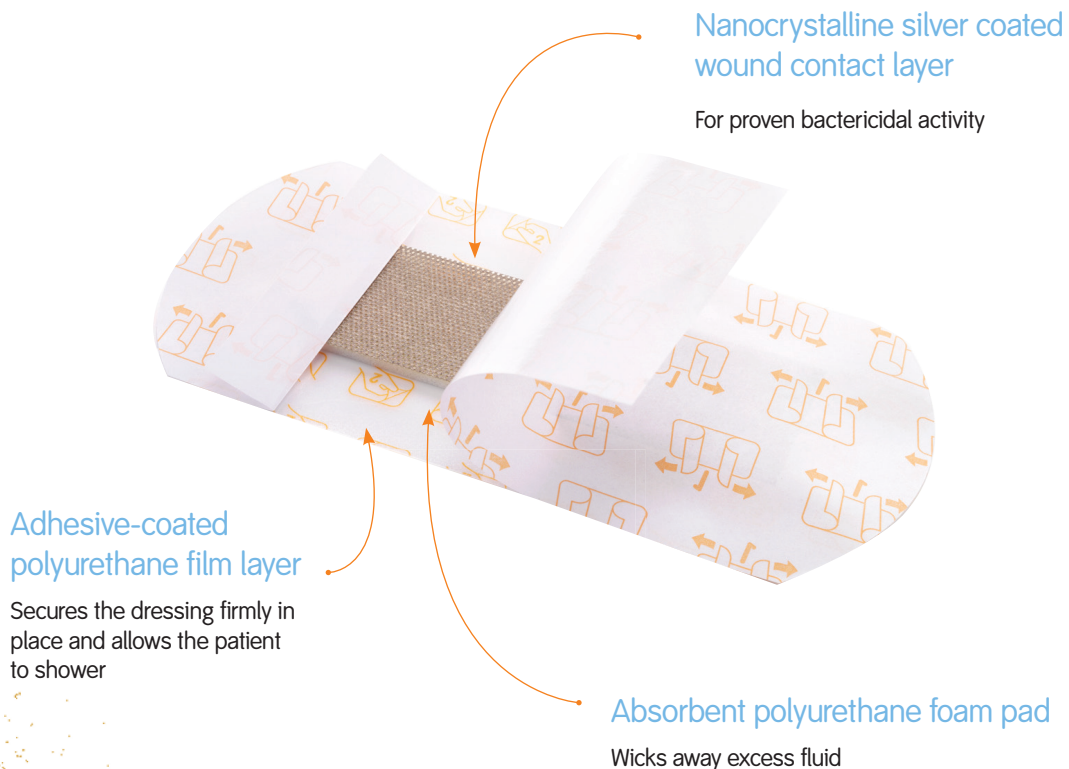
Dynamic antimicrobial protection

The ACTICOAT Post-Op wound dressing utilises the dynamic, silver release properties of nanocrystalline silver technology.

Designed for surgical wounds

ACTICOAT Post-Op has been designed specifically to protect surgical wounds and to minimise the risk of infection.

In a study on cardiothoracic procedures, surgical site infections fell from 4.7% to 0% as a result of the risk management intervention by integration of ACTICOAT dressings into post-surgical infection control protocols.²³



*Product used: ACTICOAT Absorbent

New!

NO-STING SKIN-PREP[◇] Range

The new and improved range of NO-STING SKIN-PREP products complements our range of post-operative dressings.

New formula

The improved formula is still alcohol free, reducing the potential for stinging when applied to vulnerable skin. Forming a breathable protective layer between the skin and the dressing adhesive, NO-STING SKIN-PREP **dries in less than 30 seconds, and lasts up to four days**, reducing the need for frequent applications.

Paediatrician tested, hypo-allergenic and latex free, our new formula is suitable for patients of any age whose skin is at risk.

New formats – Spray and swabs

The addition of a spray and swab format provides increased options for clinicians. NO-STING SKIN-PREP Spray is a liquid film-forming dressing that leaves a clear waterproof, breathable and conformable barrier that allows for visual assessment of the periwound area.

*Heidi Hogue, RN, BScN, Director of the Wound Healing Institute of Southeast Arkansas said, 'I've been using the NO-STING SKIN-PREP Spray, and the product has exceeded my expectations. I've seen the product perform well when used with Negative Pressure Wound Therapy. I also use it around the periwound areas of pressure, venous and diabetic foot ulcers. NO-STING SKIN PREP Spray is easy to use and it helps me help my patients by preventing and reducing irritation to the skin, and reducing the risk of skin trauma.'*³⁰



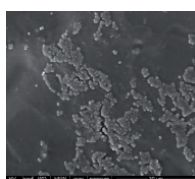
Tackling Healthcare Acquired Infections (HAIs)

- Each year in Australia there are approximately 200,000 HAIs²⁴
- A reduction of HAI rates by 1% would release enough beds for ~ 38,500 new admissions²⁵
- The development of a surgical site infection (SSI) is probably the most recognised presentation of a HAI²⁶
- Surgical site infections (SSIs) are associated with substantial morbidity, mortality and costs²⁶
- 8.46% of surgical patients first present with a SSI after they have left hospital²⁷
- Patients with a HA SSI can prolong length of hospital stay by 2.51 days²⁷
- The economic impact of SSIs following certain surgical procedures can be significant. For example: Whilst infection rates are low in joint replacement procedures, the consequences of infection are enormous with a multicentre study in Victoria finding the average cost of a SSI following hip arthroplasty to be \$34,138 and knee arthroplasty \$40,940.²⁶

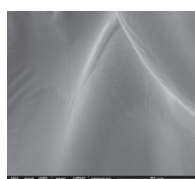


Protection from harmful bacteria

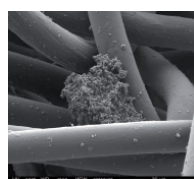
The images below show the growth of MRSA on both the inner and outer layers of a film and a non-woven dressing following inoculation and a 24 hour incubation period. Images show that a porous, structured dressing can allow a passage for bacteria from the outer surface to the wound contact surface, whereas a polymer film dressing does not allow transmission of bacteria through the film. Dressing materials that offer a continuous physical barrier between the wound contact surface and outer surfaces, such as polymer films, provide effective bacterial properties when tested *in vitro*.²⁸



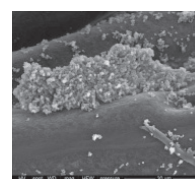
IV3000** outer surface (x4000)



IV3000 inner surface (x4000)



Mepore™ outer surface (x4000)




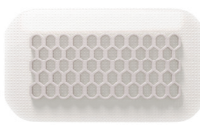
Mepore inner surface (x4000)

Images following inoculation with *Pseudomonas aeruginosa* and a 24-hour incubation period.¹³

* IV3000 is the top film for OPSITE Post-Op and OPSITE Post-Op Visible.









Bacterial Impact on Wound Healing – AWMA Position Paper³¹

OPSITE Post-Op Visible and ACTICOAT Post-Op provide an optimal environment for healing in line with AWMA's recommendations for managing the bacterial impact on wound healing.







Recommendation	Smith & Nephew solution	Benefit
A wound management regimen should include strategies to minimise infection risk. These should be embedded in service provider protocols and practices.	<p>ACTICOAT Post-Op</p> 	Contains nanocrystalline silver, delivering a powerful and long lasting antimicrobial effect to the wound.
All wounds should be assessed regularly for the indicators of infection and outcomes of the assessment documented.	<p>OPSITE Post-Op Visible</p> 	OPSITE Post-Op Visible provides continual monitoring of the incision site without the need to remove the dressing for inspection. This minimises environmental contact and exposure to external pathogens.

Ordering information


OPSITE® Post-Op

Dressing	Size (cm)	Code	Qty
	6.5 x 5	66000708	100
	9.5 x 8.5	66000709	20
	10 x 12	66000710	10
	15.5 x 8.5	66000712	20
	20 x 10	66000713	20
	25 x 10	66000714	20
	30 x 10	66000715	20
	35 x 10	66000716	20




OPSITE® Post-Op Visible

Dressing	Size (cm)	Code	Qty
	8 x 10	66800136	20
	15 x 10	66800137	20
	20 x 10	66800138	20
	25 x 10	66800139	20
	30 x 10	66800140	20
	35 x 10	66800141	20




OPSITE® Visible Drain Dressing

Dressing	Size (cm)	Code	Qty
	9 x 10	66800842	20

ACTICOAT® Post-Op

Dressing	Size (cm)	Code	Qty
	10 x 12	66001770	5
	10 x 20	66001771	5
	10 x 25	66001772	5

NO-STING® SKIN-PREP®

Dressing	Size (cm)	Code	Qty
	1ml wipe	66800712	50/box
	3ml swab	66800711	50/box
	28ml spray	66800710	12 bottles / case

For further information on OPSITE Post-Op, OPSITE Post-Op Visible and ACTICOAT Post-Op please visit our website: www.wound.smith-nephew.com.au

References

1. Cosker T et al (2005). Choice of dressing has a major impact on blistering and healing outcomes in orthopaedic patients. *J Wound Care*; 14(1): 27–29. PublicationsPolicyAndGuidance/DH_110107. Date accessed: January 2010.
2. Bhattacharyya M et al (2005). A prospective clinical audit of patient dressing choice for post-op arthroscopy wounds. *Wounds UK*; 1(1):30–34.
3. Hewlett L (1995). The evaluation of two post operative dressings in the management of surgical wounds. Poster presented by The Park Hospital, Nottingham, UK.
4. Smith & Nephew data on file report 0505004.
5. O'Brien G et al. (2009). A prospective evaluation to assess performance of a new post-operative dressing, Poster presentation Infection Prevention Society Conference, Harrogate, UK.
6. Byrne-Murphy S. (2009). A prospective evaluation of a new dressing OPSITE Post-Op Visible on post op blistering following total hip and knee replacement, poster presented at Wounds UK, Harrogate, UK.
7. O'Brien G (2009). OPSITE° Post-Op Visible a clinical evaluation. Supplement to *World of Irish Nursing and Midwifery*; 17:4.
8. Smith & Nephew report ref DS/07/209.
9. Foster AVM et al (1994), Comparing two dressings in the treatment of diabetic foot ulcers, *J Wound Care*, 3 (5), 224 -228.
10. Tompkins L, Laboratory Report – DS/10/084/R1: OPSITE Post-Op Visible Dressings Physical Properties, July 2010.
11. O'Brien, G, et al. A multi-centre, prospective, clinical in-market evaluation to assess the performance of Opsite° Post-Op Visible dressings. *International wound Journal*, 10.1111/j.1742-481X.2010.00689.x.
12. Department of Health (2009). The operating framework for the NHS in England 2010/11. Available at: www.dh.gov.uk/en/Publicationsandstatistics/Publications/PublicationsPolicyAndGuidance/DH_110107. Date accessed: January 2010.
13. Smith & Nephew data on file report 18512.
14. Smith & Nephew report ref DS/07/115.
15. Waterproof test carried out routinely by Quality Assurance laboratory Smith & Nephew Medical Ltd, Hull.
16. Keene (2007) Low allergy statement.
17. Hammond V. Report reference DS/07/208.
18. Smith & Nephew Report reference WRP-TW0420281.
19. Westaim (Sherritt) Report Ref: 93/001 'Broad Spectrum Efficacy'.
20. Westaim Report Ref #010322. Seven day efficacy of ACTICOAT 7 Dressing against multiple organisms.
21. Data On File Report – 0504001
22. Childress BB, et.al. (2007). Impact of an absorbent silver eluting dressing system on lower extremity revascularization wound complications. *Annals of Vascular Surgery*. 21(5):598-602.
23. Cantrell S. (2007) Inspiring infection-prevention success stories that you can accomplish. *Healthcare Purchasing News*.
24. Cruickshank M, Ferguson J, editors. Reducing Harm to Patients from Healthcare associated Infection: The Role of Surveillance: Australian Commission on Safety and Quality in Health Care, 2008.
25. Graves, Halton, Paterson, Whitby, Economic rationale for infection control in Australian hospitals, *Healthcare Infection* 2009;14 81-88.
26. Cruickshank, Ferguson and Bull, Reducing harm to patients from healthcare associated infection: the role of surveillance., *Healthcare Infection* 2009; 14:109-114.
27. Graves, N, Halton K, Curtis M, et al, Costs of surgical site infection that appear after discharge, *Emerg Infect Dis* 2006; 12:831-5.
28. In vitro assessment of bacterial barrier properties of 3 common wound dressings, Gunning, Driffield, Woodmansey.
29. Smith & Nephew data on file 0512004
30. Press release: NO-STING SKIN-PREP Spray for periwounds launched by Smith & Nephew St. Petersburg FL - September 29, 2010. Available at www.smith-nephew.com and www.prnewswire.com/news-releases/no-sting-skin-prep-spray-for-periwounds-launched-by-smith-nephew-103996383.html.
31. Australian Wound Management Association Inc (July 2009) Position Document of the Australian Wound Management Association: Bacterial impact on wound healing: From contamination to infection. http://www.awma.com.au/publications/2009/bacterial_impact_position_document_V_1_0.pdf.

Smith & Nephew Pty Ltd Healthcare Division

Australia

315 Ferntree Gully Road (PO Box 242)
Mount Waverley 3149
Victoria Australia
T 61 3 8540 6777
F 61 3 9544 5086
www.smith-nephew.com.au/healthcare
Customer Service
T 13 13 60
F 1800 671 000

New Zealand

621 Rosebank Road Avondale
PO Box 442
Auckland 1140 New Zealand
T 64 9 828 4059
F 64 9 820 2867
www.smith-nephew.com/nz
Customer Service
T 0800 807 663
F 0800 263 222

[®]Trademark of Smith & Nephew

[™]All trademarks acknowledged

©Smith & Nephew 2011 SN8558 (02/11)