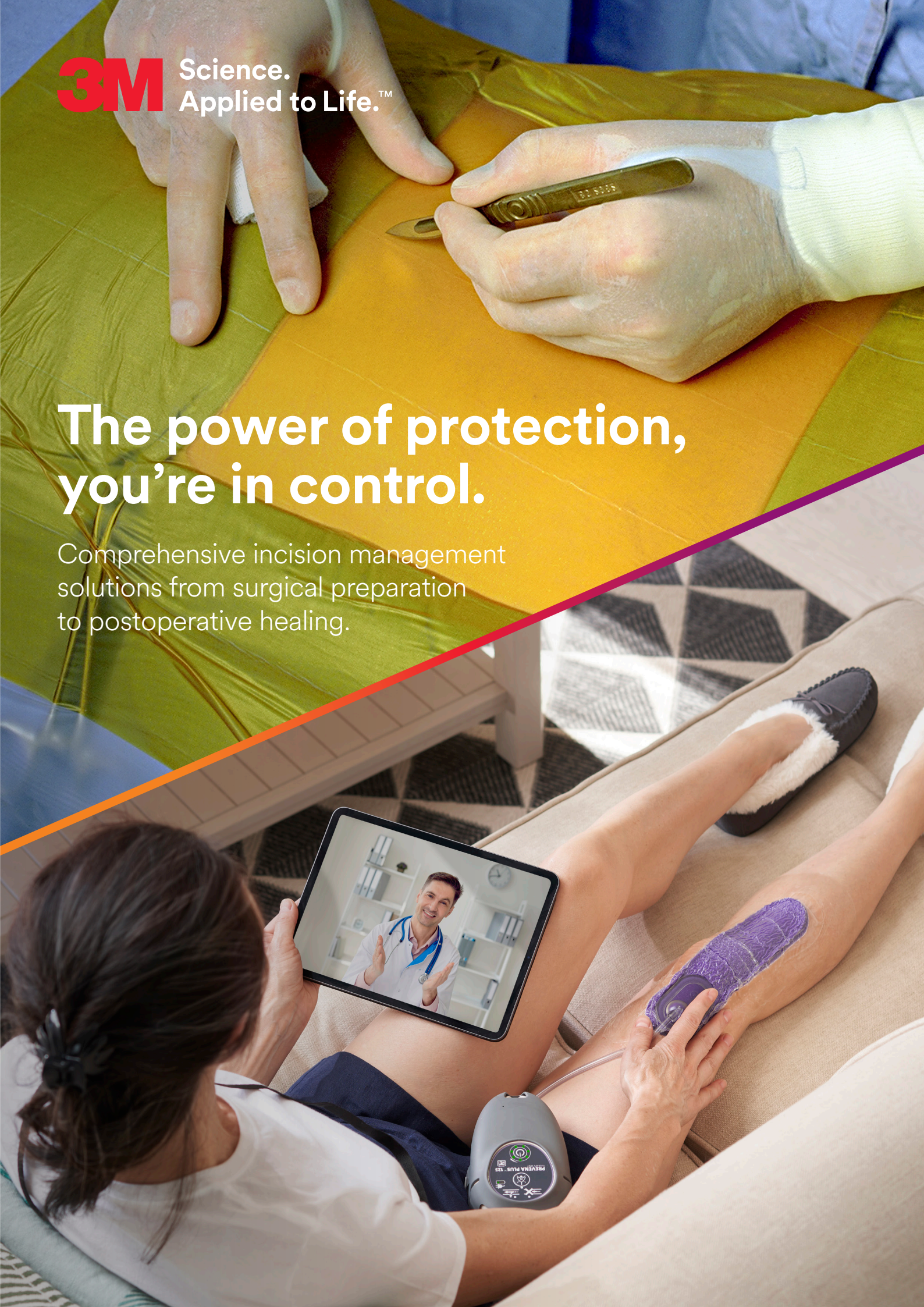


3M Science.
Applied to Life.™

The power of protection, you're in control.

Comprehensive incision management
solutions from surgical preparation
to postoperative healing.



Partners on the path to healing.

3M offers evidence-based technologies and solutions, supported by clinical guidelines, giving you full control over the healing process from surgery to recovery. From preparing the skin to prevent microbial recolonisation with 3M™ Ioban™ 2 Antimicrobial incise drapes, to the proven active healing of 3M™ Prevena™ Therapy to promote enhanced recovery, improved efficiency and cost savings.



Every touchpoint matters.

Making small changes can reduce the risk of postoperative wound infections and the chances of good treatment results can be increased significantly.

Postoperative wound infections not only affect a patient's quality of life, they also set it. Health system imposes major operational and financial burdens. We offer both intra- and post-operative solutions to reduce the risk of post-operative wound infections.



Guidelines recommend if an incise drape is required, it should be iodophor impregnated.^{1,2} Do not use non-iodophor-impregnated incise drapes routinely for surgery as they may increase the risk of surgical site infection (SSI).^{1,2}

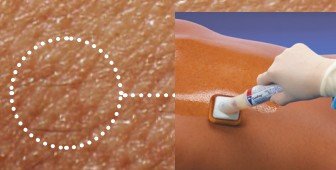
Creating a chemical and physical barrier around the incision site with an Ioban Antimicrobial Incise Drape can reduce skin recolonisation and therefore the risk of SSI.^{3,4}



Poor incision healing can lead to surgical site complications (SSCs), which can lead to delayed healing, increased length of stay, readmissions, re-operation and mortality.¹ Surgical incisions should be covered with an appropriate interactive dressing at the end of the operation.¹ WHO (2016) suggests the use of prophylactic negative pressure wound therapy in adult patients on primarily closed surgical incisions in high-risk wounds for the purpose of the prevention of SSI.⁵



3M™ Ioban™ 2 Antimicrobial Incise Drape prevents microbial recolonisation in the deeper skin layers for the duration of the procedure.

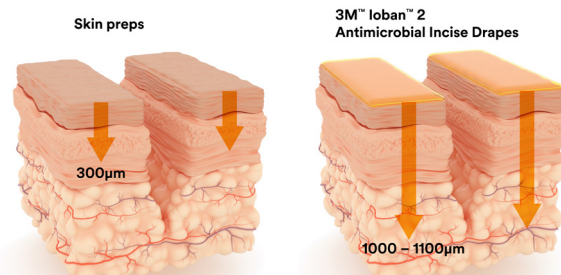


3M™ Duraprep
soluble skin prep

From surgical preparation

Ioban Antimicrobial Drapes help prevent skin recolonisation and defend against SSIs.

Most surgical site infections (SSI) are caused by the contamination of a surgical incision with microbes from the patient's own body during surgery.¹ Whilst skin preps reduce microbes on the skin surface, bacteria in the deeper skin layers will remain. Over time these microbes can recolonise the skin surface. Evidence demonstrates that iodine released from Ioban Antimicrobial Incise Drapes is able to penetrate these deeper skin layers at a concentration required for microbial death.⁶



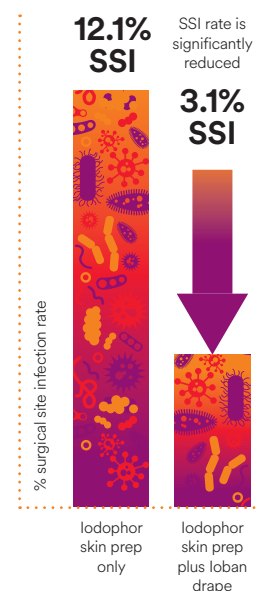
The proof is in the science.

Yoshimura *et al.* Plastic iodophor drape during liver surgery operative use of the iodophor impregnated adhesive drape to prevent wound infection during high risk surgery. *World J. Surgery.* 2003; 27:685–688.⁴

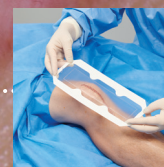
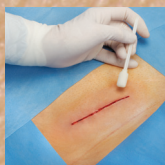
The objective of this study was to investigate the risk factors associated with wound infection, with special reference to the use of Ioban Antimicrobial Incise Drapes.

Results

This retrospective study included 296 patients undergoing high risk liver surgery. Of these patients, 122 were treated using an Iodophor skin prep and Ioban incise drape; the other 174 patients were treated with the Iodophor skin prep alone. The SSI rates of patients treated with Iodophor skin prep alone was 12.1%. In contrast the SSI rates of patients who were treated with Iodophor skin prep and an Ioban incise drape was 3.1%. This result was statistically significant ($p=0.001$).



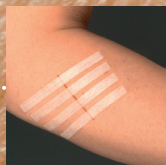
3M™ Cavilon™
No Sting Barrier Film



3M™ Tegaderm™ Absorbent
Clear Acrylic Dressing
for incisions with low to
moderate risk factors

3M™ Steri-Strip™
Skin closures

3M™ Precise™
Skin Staples
Skin closures



3M™ Prevena™ Therapy
deeper healing for incisions with high to moderate risk factors.

To postoperative healing

Prevena Therapy helps to manage the incision to help reduce postop complications.

Prevena Therapy is designed to protect the surgical incision and reduce the risk of surgical site complications to improve patient outcomes across multiple surgical specialties.⁷⁻¹⁷ This can also help to reduce the burden on healthcare facilities through reduced reoperations^{8,11,14} and associated additional costs of treatment.^{15,16}

The proof is in the science.

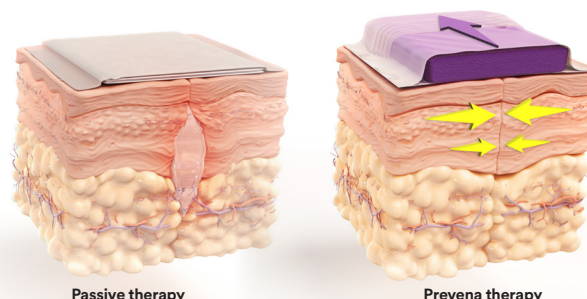
Singh DP, Gabriel A, Parvizi J, Gardner MJ, D'Agostino R. Meta-Analysis of Comparative Trials Evaluating a Single-Use Closed-Incision Negative-Pressure Therapy System. *Jr. Plast Reconstr Surg.* 2019 Jan;143 (1S Management of Surgical Incisions Utilizing Closed-Incision Negative Pressure Therapy):41S-46S.¹⁸

A total of 11 RCTs, 7 prospective studies and 12 retrospective studies utilising Prevena Therapy were included in this meta-analysis. Overall 10,408 patients were included; 2,768 in the Prevena group and 7,640 in the conventional dressings group.

Results

For all meta-analyses performed using the fixed-effects approach, Prevena Therapy usage demonstrated a statistically significant reduction in incidence of SSI relative to traditional dressings in the RCT, observational, colorectal/abdominal, obstetrics, lower extremity, groin/vascular, and cardiac publications that were assessed.

Direction of fluid
Appositional force



Passive therapy

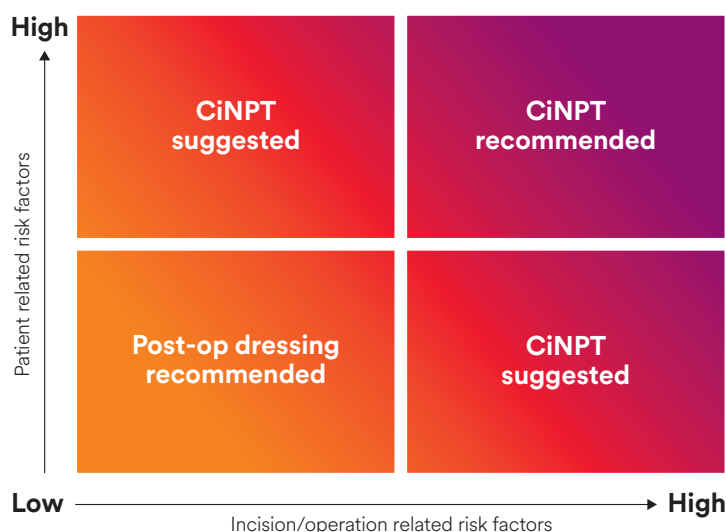
Prevena therapy

Subgroup analysis	Studies (n)	Total number of patients (n)	Surgical site infection pooled odds ratio (95% CI)	p
RCT	11	1579	2.66 (1.96–3.62)	<0.00001
Observational	19	8829	3.15 (2.35–4.22)	<0.00001
Colorectal/abdominal	6	857	3.3 (2.0–5.5)	<0.00001
Obstetrics	5	1931	1.7 (1.1–2.8)	0.02
Lower extremity	5	1674	6.4 (2.8–14.5)	<0.0001
Groin/vascular	8	1166	3.1 (2.2–4.4)	<0.00001
Cardiac	4	4068	3.3 (1.5–7.6)	0.004

You're in control.

Choosing the right postoperative incision management solution can help to avoid further complications and support your patient on the path to recovery.

To select the right incision management solution for your patient, it is recommended that the following incision and operative risk factors should be assessed alongside the patient's risk factors.



Does the patient have 2 or more risk factors?*

- ▶ BMI > 35
- ▶ Diabetes Mellitus
- ▶ Smoker (current)
- ▶ Malignancy/Chemotherapy
- ▶ Immunodeficiency
- ▶ Renal deficiency/Chronic kidney disease
- ▶ COPD
- ▶ Age >75 years
- ▶ Malnourished

Is the procedure high risk?*

- ▶ Emergency surgery
- ▶ Revision surgery
- ▶ Extended surgical time
- ▶ Traumatized soft tissue
- ▶ Contamination
- ▶ High tension incision
- ▶ Multiple incisions

3M™ Tegaderm™ Absorbent Clear Acrylic Dressing for low to moderate patient and incision related risk factors.

Tegaderm Absorbent Clear Acrylic Dressings offer a completely transparent barrier – allowing active monitoring for signs of infection and early intervention without disturbing the incision. Wear time of 7–28 days gives patients extended protection beyond their initial hospital stay,¹⁹ and waterproof barrier supports early showering without removing the dressing, allowing patients to return more quickly to daily activities.²⁰



3M™ Tegaderm™ Absorbent Clear Acrylic Dressing

3M™ Prevena™ Therapy

Exudate levels management	Low to moderate	Low to high
Wear time	7–28 days	7–14 days
Barrier protection	✓	✓
Exudate visibility	✓	✓ *separate canister
Reduce lateral tension		✓

*This is not an exhaustive list of risk factors. Clinicals are advised to follow their judgement to identify high risk patients and procedures.

From surgery to recovery, you're in control.

Ordering information

3M™ Ioban™ Antimicrobial Incise Drape

Code	Description	Size	Quantity	NHSSC code
6635	Treatment incise drape, incision area 10 x 20cm	15 x 20cm	10	ELW891
6640EU	Small incise drape, incision area 34 x 35cm	44 x 35cm	10	ELW893
6640EZE	Small incise drape EZ application, incision area 35 x 35cm	60 x 35cm	10	ELW189
6648EU	Large incise drape, incision area 56 x 60cm	66 x 60cm	10	ELW897
6648EZE	Large incise drape EZ application, incision area 60 x 60cm	90 x 60cm	10	ELW191
6650EU	Medium incise drape, incision area 56 x 45cm	66 x 45cm	10	ELW895
6650EZE	Medium incise drape EZ application, incision area 60 x 45cm	90 x 45cm	10	ELW190
6651EU	Extra large incise drape, incision area 56 x 85cm	66 x 85cm	10	ELW290
6651EZE	Extra large incise drape EZ application, incision area 60 x 85cm	90 x 85cm	10	ELW186
6661EZ	Frame delivery, incision area 26 x 20cm	30 x 20cm	50	ELW470

3M™ Prevena™ Therapy

Code	Description	Size	Quantity	NHSSC code
PRE1101	3M™ Prevena™ Peel and Place Incision Management System	13cm	1	ELZ850
PRE1001	3M™ Prevena™ Peel and Place Incision Management System	20cm	1	ELZ283
PRE3201	3M™ Prevena™ Plus Peel and Place Incision Management System	35cm	1	ELZ984
PRE4001	3M™ Prevena™ Plus Customizable Incision Management System	Custom	1	ELZ821
PRE1121	3M™ Prevena™ Duo Peel & Place System Kit	13cm	1	ELZ983
PRE1155	3M™ Prevena™ Peel and Place Dressing	13cm	5	ELZ833
PRE1055	3M™ Prevena™ Peel and Place Dressing	20cm	5	ELZ647
PRE3255	3M™ Prevena™ Peel and Place Dressing	35cm	5	ELZ985
PRE4055	3M™ Prevena™ Customizable Dressing	90cm	5	ELZ822
PRE4010	3M™ Prevena™ Plus Stand-Alone Unit (14 Days)	–	1	ELZ1158
PRE4095	3M™ Prevena™ Plus Canister	150ml	5	ELZ823
PRE1095	3M™ Prevena™ Canister	45ml	5	ELZ832
PRE9090	3M™ Prevena™ Therapy Connectors	–	10	ELZ824

3M™ Tegaderm™ Clear Acrylic Dressing

Code	Description	Size	Quantity	NHSSC Code
90800	Oval dressing, incision size ≤ 2.5cm, dressing pad size 3.8 x 5.7cm	7.6 x 9.5cm	5	EKH023
90801	Oval dressing, incision size ≤ 4cm, dressing pad size 6.0 x 7.6cm	11.1 x 12.7cm	5	EKH024
90803	Oval dressing, incision size ≤ 10cm, dressing pad size 8.5 x 10.7cm	14.2 x 15.8cm	5	EKH022
90815	Rectangle dressing, incision size ≤ 18cm, dressing pad size 4.5 x 20cm	9 x 25cm	30	EKH097
90817	Large Rectangle dressing, incision size ≤ 28cm, dressing pad size 4.5 x 30cm	9 x 35cm	30	EKH098

- NICE (2019) Surgical site infections: prevention and treatment, Clinical guideline [NG125]. Published April 2019.
- RKI (2018) Prevention of postoperative wound infections: Commission recommendation for hospital hygiene and infection prevention (KRINKO) at Robert Koch Institute. Published April 2018.
- Bejko *et al.* Comparison of efficacy and cost of iodine impregnated drape vs. standard drape in cardiac surgery: Study in 5100 patients. *J Cardiovasc Trans. Res.* 2015;8:431–437.
- Yoshimura *et al.* Plastic iodophor drape during liver surgery operative use of the iodophor impregnated adhesive drape to prevent wound infection during high risk surgery. *World J. Surgery.* 2003; 27:685–688.
- WHO (2018) Global guidelines for the prevention of surgical site infection, second edition. Geneva: World Health Organization. Published 2018.
- Elliott *et al.* Antimicrobial activity and skin permeation of iodine present in an iodine-impregnated surgical incise drape. *J. Antimicrobial Chemotherapy.* 2015
- Ferrando PM, Ala A, Bussone R, Bergamasco L, Actis Perinetti F, Malan F. Closed incision negative pressure therapy in oncological breast surgery: comparison with standard care dressings. *Plast Reconstr Surg Glob Open.* 2018 Jun 15;6(6):e1732. doi:10.1097/GOX.0000000000000173.
- Pleger SP, Nink N, Elzien M, Kunold A, Koshty A, Boning A. Reduction of groin wound complications in vascular surgery patients using closed incision negative pressure therapy (ciNPT): a prospective, randomised, single-institution study. *Int Wound J.* 2018;15(1):75–83.
- Cooper HJ, Bas MA. Closed-incision negative-pressure therapy versus antimicrobial dressings after revision hip and knee surgery: a comparative study. *J Arthroplasty.* 2016 May;31(5):1047–1052. doi:10.1016/j.arth.2015.11.010#
- Redfern RE, Cameron-Ruetz C, O'Drobinak SK, Chen JT, Beer KJ. Closed incision negative pressure therapy effects on postoperative infection and surgical site complication after total hip and knee arthroplasty. *J Arthroplasty.* 2017;32:3333–3339. doi:10.1016/j.arth.2017.06.019.
- Newman JM, Siqueira MBP, Klika AK, Molloy RM, Barsoum WK, Higuera CA. Use of closed incisional negative pressure wound therapy after revision total hip and knee arthroplasty in patients at high risk for infection: a prospective, randomized clinical trial. *J Arthroplasty.* 2019 Mar;34(3):554–559e1. doi:10.1016/j.arth.2018.
- Stannard JP, Volgas DA, McGwin G 3rd, *et al.* Incisional negative pressure wound therapy after high-risk lower extremity fractures. *J Orthop Trauma.* 2012;26(1):37–42. doi:10.1097/BOT.0b013e318216b7e5.
- Grauhan O, Navasardyan A, Hofmann M, *et al.* Prevention of poststernotomy wound infections in obese patients by negative pressure wound therapy. *J Thorac Cardiovasc Surg.* 2013;145:1387–1392.
- Gabriel A, Sigalove S, Sigalove N, *et al.* The impact of closed incision negative pressure therapy on postoperative breast reconstruction outcomes. *Plast Reconstr Surg Glob Open.* 2018 Aug; 6(8): e1880. doi:10.1097/GOX.0000000000001880.
- Kwon J, Staley C, McCullough M, Goss S, Arosemena M, Abai B, Salvatore D, Reiter D, DiMuzio P. A randomized clinical trial evaluating negative pressure therapy to decrease vascular groin incision complications. *J Vasc Surg.* 2018 Dec;68(6):1744–1752. doi: 10.1016/j.jvs.2018.05.224. Epub 2018 Aug 17. PMID: 30126781.
- Gabriel A, Maxwell GP. Economic Analysis Based on the Use of Closed-Incision Negative-Pressure Therapy after Postoperative Breast Reconstruction. *Plast Reconstr Surg.* 2019 Jan;143(1S Management of Surgical Incisions Utilizing Closed-Incision Negative-Pressure Therapy):36S–40S. doi: 10.1097/PRS.0000000000000531. PMID: 30586102.
- Gabriel A, *et al.* Effects of Negative-Pressure Wound Therapy with Instillation versus Standard of Care in Multiple Wound Types: Systematic Literature Review and Meta-Analysis. *Plastic & Reconstructive Surgery.* 2021 Jan 1;147(1S-1):68S–76S.
- Singh DP, Gabriel A, Parvizi J, *et al.* *Plast Reconstr Surg.* 2019;143:41S–46S.
- 3M data on file. EM-05-014692. EM-05-014725. May be left in place for up to 28 days depending on the condition on the wound/incision and the surrounding skin, or as indicated by clinical practice. Can be worn until it leaks, loses adhesion, needs to be removed for wound/incision inspection or other clinical needs.
- 20 3M data on file. EM-05-014684.

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