

Patients that used 3M™ Prevena™ Therapy experienced reduced complications and reoperation after breast reconstruction.

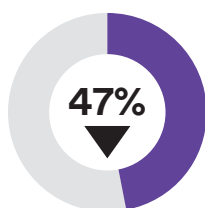
Summary of Findings

The use of Prevena Therapy following post-mastectomy breast reconstruction was associated with significantly lower rates of infection, dehiscence, necrosis and seromas. A significantly shorter time to drain removal and fewer returns to the OR were also achieved.

In addition to the above observed clinical outcomes,¹ an economic analysis relying on this study data showed a mean per-patient cost savings for SSC of \$218.²

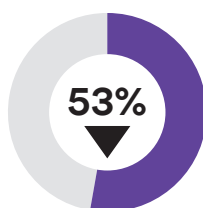
\$2,010 Prevena Therapy vs. \$2,228 Standard of Care (SOC).

Results



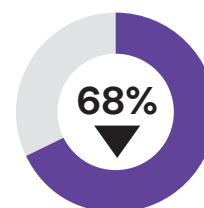
Reduction in SSCs*

8.5% (28/331) Prevena Therapy vs.
15.9% (53/334) SOC (p=0.0092)*.



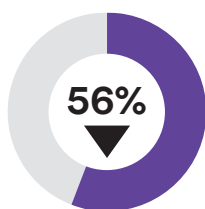
Reduction in SSIs*

2.1% (7/331) Prevena Therapy vs.
4.5% (15/334) SOC (p=0.0225)*.



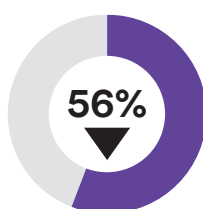
Reduction in Seroma*

1.8% (6/331) Prevena Therapy vs.
5.7% (19/334) SOC (p=0.0106)*.



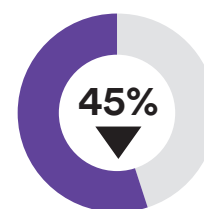
Reduction in Reoperations*

2.4% (8/331) Prevena Therapy vs.
5.4% (18/334) SOC (p=0.0496)*.



Reduction in Dehiscence*

2.4% (8/331) Prevena Therapy vs.
5.4% (18/334) SOC (p=0.0178)*.



Reduction in Necrosis*

5.1% (17/331) Prevena Therapy vs.
9.3% (31/334) SOC (p=0.0070)*.

Calculation(s) are derived based on relative patient group incidence rate reported in this study.

* Statistically significant (p<0.05)

Study Design

Retrospective, comparative study (Level III).

Study Purpose

The investigators compared incision management outcomes in patients who received 3M™ Prevena™ Therapy versus standard of care (SOC) after breast reconstruction mastectomy.

Methods

- Single site retrospective observational study: 2009–2017
- 356 patients (Prevena Therapy n=177 v SOC n=179)
- 665 closed breast incisions (Prevena Therapy n=331 vs. SOC n=334)
- SOC: 3M™ Steri-Strip™ Wound Closures
- 3M™ Prevena™ Plus Customizable Dressing

- Patients were discharged home after 1 night stay and returned for follow-up on POD 3 and 7.
- Patient demographics, chemotherapy exposure, surgical technique, number of drains, time to drain removal, and 90-day postoperative complication rates were analyzed

1. Gabriel A, et al. (Loma Linda University). The Impact of Closed Incision Negative Pressure Therapy on Postoperative Breast Reconstruction Outcomes. *Plast Reconstr Surg Glob Open*. 2018;6:e1880.

2. Gabriel A, Maxwell P. Economic analysis based on the use of closed-incision negative-pressure therapy after postoperative breast reconstruction. *Plast Reconstr Surg* 2019;143:36S.

Understanding relevant risk factors for plastic surgery procedures.

Patient Risk Stratification

How to identify the patient as high risk for surgical site infection or complication:

Clinical data¹ has shown that a patient should receive Prevena Therapy if they have **one or more** of the following high-risk factors:

- BMI ≥ 30
- Smokers
- Radiation
- Corticosteroids
- Revision surgery within 30 days
- Extensive undermining



Scan this QR code to learn more about when to use Prevena Therapy.

1. Gabriel A, et al. (Loma Linda University). The Impact of Closed Incision Negative Pressure Therapy on Postoperative Breast Reconstruction Outcomes. *Plast Reconstr Surg Glob Open*. 2018;6:e1880.

It's time to update your dress code.



Available in Canada from your authorized 3M+KCI distributors.
KCI USA Inc., a 3M Company
KCI owned and operated by 3M Company

KCI Medical Canada Inc.
75 Courtneypark Dr., W.,
Unit 4
Mississauga, ON
L5W 0E3

KCI USA, Inc.
12930 IH 10 West
San Antonio, TX
78249

The 3M™ Prevena™ Incision Management System is intended to manage the environment of surgical incisions and surrounding intact skin in patients at risk for developing post-operative complications, such as infection, by maintaining a closed environment via the application of a negative pressure wound therapy system to the incision. The 3M™ Prevena™ Dressing skin interface layer with silver reduces microbial colonization in the fabric.

NOTE: Specific indications, limitations, contraindications, warnings, precautions, and safety information exist for these products and therapies. Please consult a clinician and product instructions for use prior to application. This material is intended for healthcare professionals only.

3M, Prevena, and Steri-Strip are trademarks of 3M. Used under license in Canada. © 2022, 3M. All rights reserved. 2206-24204.

