



The power of
3M™ Prevena™ Therapy

Not all ciNPT systems
are the same

Clinical evidence
by specialties

Comprehensive
portfolio

The 3M™ Prevena™ Therapy
advantage



Prevena™
Incision Therapy

PRM | Proactive Risk Management (PRM)
with 3M™ Prevena™ Therapy

The power to help protect patients in the operating room and beyond

Discover the unique proprietary technologies of 3M™ Prevena™ Therapy — scientifically engineered for surgeons to help protect incisions and aid in reducing the incidence of postoperative complications.

Note: The effectiveness of Prevena Therapy in reducing the incidence of SSIs and seroma in all surgical procedures and populations has not been demonstrated. See full indications for use and limitations at mykci.com.



How 3M™ Prevena™ Therapy helps you manage incisional healing

Prevena Therapy delivers negative pressure therapy (NPT) to closed incisions — helping to optimize the healing environment while improving the biomechanics of postoperative incisional healing for at-risk patients and procedures.

The unique combination of Prevena Therapy’s technologies helps manage closed incisions while helping to optimize patient outcomes.



Scientifically advanced technologies



Continuous -125 mmHg negative pressure

- The most studied and prescribed NPT setting for wound and closed incision management



Enhanced fluid management

- Moves and stores fluid and exudate away from the incision site into a separate canister*



Reticulated open-cell foam (ROCF) dressings

- Proprietary dressing technology that collapses to its center under NPT to bring the incision edges together, reducing lateral tension, and allowing for improved fluid management¹
- Can be applied for up to 7 days without dressing changes

Prevena Therapy is utilized and trusted by millions of surgeons to help manage closed incisions for at-risk patients and procedures.

*Canister comes with devices and system kits, also sold separately.

Evolving the standard of care

Since its introduction in 2010, Prevena Therapy has played an integral role in single-use NPT and closed-incision negative pressure therapy (ciNPT), while advancing the standard of care for postoperative incision management.

Supported by clinical evidence



200
peer-reviewed
clinical articles[†]



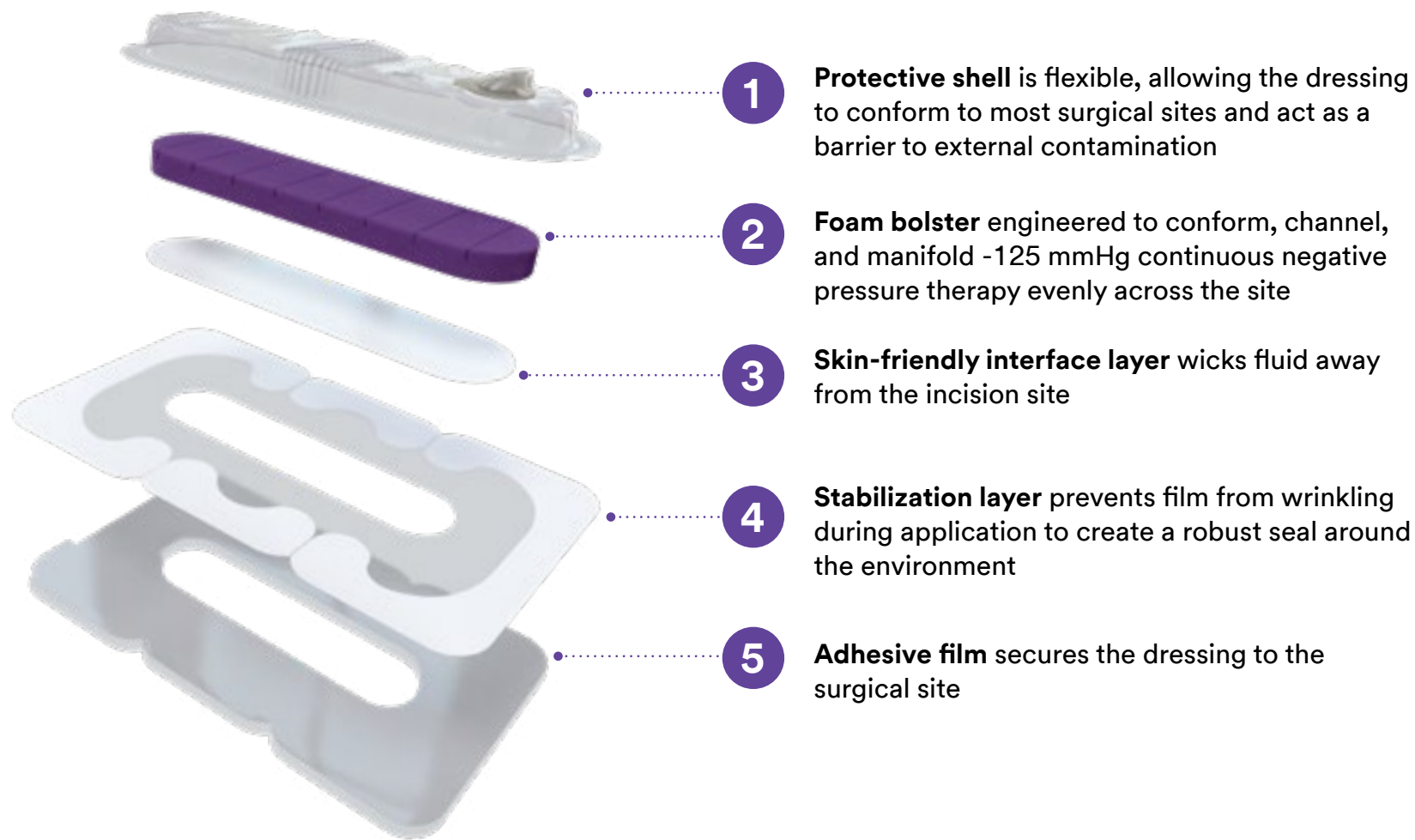
30
randomized
controlled trials[†]

[†]As of November 2022



Uniquely designed dressings to help manage closed incisions

3M™ Prevena™ Dressings utilize proprietary reticulated open-cell foam (ROCF) technology specifically designed for negative pressure therapy to help manage closed incisions.





Reticulated open-cell foam (ROCF) dressings vs. multi-layer absorbent dressings under negative pressure therapy

3M™ Prevena™ Therapy

Under continuous -125 mmHg of negative pressure, ROCF dressing buckles and collapses upon itself. This helps bring the incision edges together and allows for improved fluid management.¹⁻⁴

Smith & Nephew PICO

Under -80 mmHg of negative pressure, a multi-layer absorbent dressing showed minimal physical change. Hence, there is less tension exerted on the incision edges and may impact fluid flow.⁴



vs.



Note: For illustrative purposes.

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Closed-incision management with ROCF dressings, under continuous -125 mmHg negative pressure therapy demonstrate:

- Realigned and reduced tensile forces across the incision¹
- Improved incisional early healing strength, appearance, and biomechanical properties^{2,3,*,**}
- Reduced edema and inflammation^{2,3,*,**}
- Enabled improved fluid management⁴

*Porcine study, information contained within conducted animal studies have not been evaluated by the US FDA.

**Comparative tissue model.



Dressings that help enhance incisional closure

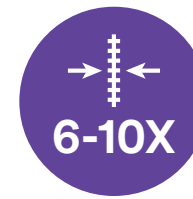
Computer and bench models demonstrated that 3M™ Prevena™ Therapy maintains the incisional forces and stress distribution in the layers of the skin, similar to normal uninjured tissue.



Reduction in lateral strain along the incision to maintain its integrity¹



Stronger approximation of the incision vs. sutures alone¹



Increased incision tension strength after 3 days vs. standard incisions²

Improved closure over competition*

Prevena Therapy, using reticulated open-cell foam (ROCF), demonstrated up to 61% greater closure compared to Smith & Nephew PICO single-use NPWT system in a comparative bench study.⁵

3M™ Prevena™ Therapy

A canister-based NPT system that delivers continuous -125 mmHg of negative pressure through a ROCF dressing.⁶

In a simulated incisional bench model, a significant decrease in incisional width was observed to be greater with foam-based ciNPT vs. non-foam-based ciNPT.⁵

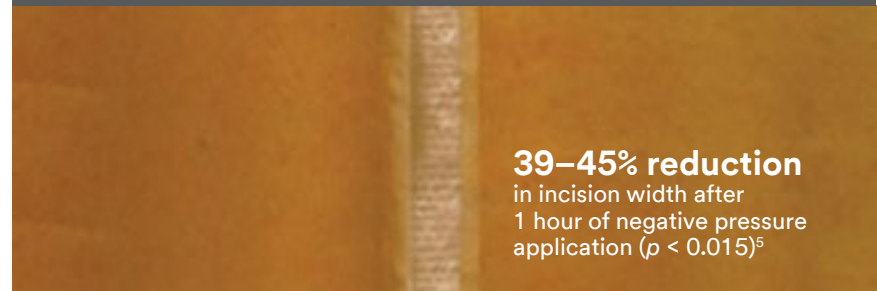


94–100% reduction in incision width after 1 hour of negative pressure application ($p < 0.015$)⁵

VS.

PICO sNPWT system

A canister-less NPT system that delivers -80 mmHg of negative pressure through a multi-layer absorbent dressing that may need to be changed prior to 7 days.⁷



39–45% reduction in incision width after 1 hour of negative pressure application ($p < 0.015$)⁵

*Under controlled conditions, in this laboratory study, a simulated incision gap (3mm wide x 360mm long) was created in a DermalSol model. 3M™ Prevena™ Therapy and PICO sNPWT system were applied to the model, and the incision widths were measured before and after application of negative pressure at recommended settings (-125 mmHg and -80 mmHg, respectively) calculation derived based on relative strain measurements.⁵



The potential benefits of canisters in patient healing

A study found that canister-based single-use negative pressure therapy (sNPT) system delivered relatively greater continuous negative pressure by transporting excess fluid to the canister and is more likely to achieve better clinical outcomes than a canister-less system.*⁸

Canister-based sNPT system

Controlled fluid management is vital
for consistent pressure therapy

- Sequestered exudate from the incision into a canister allows for easy visual assessment of the type and quantity of exudate
- Allowed for canister replacement without changing dressings before 7 days of wear time
- Maintained negative pressure of -125 mmHg by transporting excess fluid to a canister
- No drop in negative pressure was observed

VS.

Canister-less sNPT system

Manages exudate through multilayer dressings
dependent on moisture vapor transmission

- Dressing approached saturation when excess exudate is not transported away from the dressing site²
- Dressing saturation compromised the delivery of the intended negative pressure continuously
- After approximately 2 to 3 days of simulated use, negative pressure was shown to drop from a nominal level of -80 mmHg to an absolute value below -20 mmHg, which may impact therapy effectiveness

*This study was conducted using computational modelling framework, a laboratory bench-test for simulated clinical use and included a pre-clinical study in a porcine model for closed incisions.²

Note: This study comparing canister-based vs. canister-less single-use NPT was not conducted on the 3M™ Prevena™ Incision Management System.



How 3M™ Prevena™ Therapy is different than other ciNPT systems

| Feature | Benefit | 3M™ Prevena™ Therapy | Smith & Nephew PICO sNPWT system |
|---|---|----------------------|----------------------------------|
| Continuous -125 mmHg negative pressure | The most studied and commonly prescribed NPT setting | ✓ | |
| Reticulated open-cell foam (ROCF) dressing portfolio | Designed for various size, length, and nonlinear incisions, for both incisions and soft tissue management | ✓ | |
| Canister-based system | Moves and stores fluid away from the incision site | ✓ | |
| Managing moderate to high levels of exudate* | Replaceable canisters allow storage of high levels of exudate away from incision site | ✓ | |
| Audible pump notifications (leak identification, battery warning) | Allows for clinician, patient, or caregiver to address quickly and maintain therapy | ✓ | |
| Continuation of therapy during a leak | Device maintains therapy while the leak is being solved | ✓ | |
| Pressure monitoring capability* | System monitors pressure at the incision to ensure continued negative pressure therapy | ✓ | |

*These features pertain to the 3M™ Prevena™ Plus 125 Therapy Unit only.



Evaluating the clinical evidence of 3M™ Prevena™ Therapy Dressings

Two meta-analyses of seventeen peer reviewed randomized controlled trials (RCTs) published between January 2010 and June 2018 were conducted to evaluate the incidence of surgical site infections (SSIs) for two incision management systems across multiple specialties.⁹

Additional data from the RCTs included in the original meta-analyses publication compared outcomes in kit usage and dressing changes of two closed incision management systems, Prevena Therapy and PICO sNPWT system.¹⁰

| 3M™ Prevena™ Therapy vs. Conventional dressings ⁹ | Smith & Nephew PICO single-use NPWT system vs. Conventional dressings ⁹ |
|--|--|
| <p>9 RCTs</p> <p><i>Prevena Therapy n=489</i> <i>Conventional dressing n=489</i></p> | <p>8 RCTs</p> <p><i>PICO sNPWT system n=532</i> <i>Conventional dressing n=540</i></p> |
| <p>>3x more likely</p> <p>Patients in the conventional dressing group were 3.17 times more likely to develop an SSI compared to patients in the Prevena Therapy group.</p> | <p>No significant difference</p> <p>No significant difference in SSI rates between patients in the PICO sNPWT system group and the conventional dressing group.</p> |
| <p>Prevena Therapy showed improved outcomes vs. conventional dressings. <i>p<0.0001; 95% CI 2.17–4.65</i></p> | <p>PICO sNPWT system showed no significant differences vs. conventional dressings. <i>p=0.08; 95% CI 0.94–3.08</i></p> |

| | 3M™ Prevena™ Therapy | Smith & Nephew PICO sNPWT system |
|--|----------------------|----------------------------------|
| Number of patients | 489 | 532 |
| Required kits per patient | 1 | 1.5 average |
| Additional dressing changes per patient | 0 | 1.7 average |

This study accessed product utilization and determined the PICO sNPWT system group utilized more kits and dressing changes than the Prevena Therapy group.

This study demonstrated significant reduction for incidence of SSIs for patients in the Prevena Therapy group vs. the control group; no significant difference in SSI incidence rates between PICO sNPWT system and the control group.

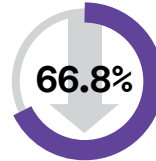
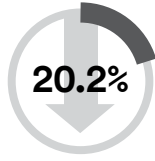

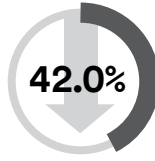


Not all ciNPT systems are the same for orthopedic joint replacement

Preventing complications is a goal of every surgery. However, patient history and comorbidities, along with procedural risk, can increase the likelihood of various postoperative surgical site complications (SSCs).

The following meta-analysis comparison evaluated the clinical evidence and outcomes of two single-use negative pressure therapy (sNPT) systems over closed incisions.¹¹



| Orthopedic joint replacement | 3M™ Prevena™ Therapy | Smith & Nephew PICO single-use NPWT system |
|--|--|---|
| Surgical site complications <i>Relative risk reduction</i> |  66.8% 8 studies $p < .001^\ddagger$ |  20.2% 5 studies $p = .425$ |
| Surgical site infections <i>Relative risk reduction</i> |  59.9% 7 studies $p = .016^\ddagger$ |  42.0% 4 studies $p = .265$ |

This study demonstrated that Prevena Therapy significantly aided in reducing the incidence of surgical site complications and surgical site infections in orthopedic joint replacement surgery.

Note: Clinical data based on 3M™ Prevena™ Therapy Units (7-Day) and Prevena™ Dressings.

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

‡Statistically significant ($p < 0.05$)

Note: The effectiveness of Prevena Therapy in reducing the incidence of SSIs and seroma in all surgical procedures and populations has not been demonstrated.

See full indications for use and limitations at mykci.com.

Note: Prevena™ and Prevena Restor™ Dressings are suitable for application on various anatomical locations.

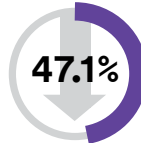
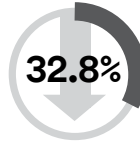


Not all ciNPT systems are the same for cardiac surgery

Preventing complications is a goal of every surgery. However, patient history and comorbidities, along with procedural risk, can increase the likelihood of various postoperative surgical site complications (SSCs).

The following meta-analysis comparison evaluated the clinical evidence and outcomes of two single-use negative pressure therapy (sNPT) systems over closed incisions.¹²



| Cardiac surgery | 3M™ Prevena™ Therapy | Smith & Nephew PICO single-use NPWT system |
|--|--|---|
| Surgical site complications <i>Relative risk reduction</i> |  47.1% 6 studies $p=.003^\ddagger$ |  32.8% 4 studies $p=.381$ |

This study demonstrated that Prevena Therapy significantly aided in reducing the incidence of surgical site complications in cardiac surgery.

Note: Clinical data based on 3M™ Prevena™ Therapy Units (7-Day) and Prevena™ Dressings.

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

‡Statistically significant ($p < 0.05$)

Note: The effectiveness of Prevena Therapy in reducing the incidence of SSIs and seroma in all surgical procedures and populations has not been demonstrated. See full indications for use and limitations at mykci.com.

Note: Prevena™ and Prevena Restor™ Dressings are suitable for application on various anatomical locations.



Not all ciNPT systems are the same for vascular surgery

Preventing complications is a goal of every surgery. However, patient history and comorbidities, along with procedural risk, can increase the likelihood of various postoperative surgical site complications (SSCs).

The following meta-analysis comparison evaluated the clinical evidence and outcomes of two single-use negative pressure therapy (sNPT) systems over closed incisions.¹³



| Vascular surgery | 3M™ Prevena™ Therapy | Smith & Nephew PICO single-use NPWT system |
|--|---|--|
| Surgical site complications <i>Relative risk reduction</i> | 47.5% 6 studies <i>p</i> = .011 [‡] | 60.4% 3 studies <i>p</i> < .001 [‡] |
| Surgical site infections <i>Relative risk reduction</i> | 52.6% 13 studies <i>p</i> < .001 [‡] | 58.3% 6 studies <i>p</i> = .002 [‡] |

This study demonstrated that both Prevena Therapy and the PICO sNPWT system significantly aided in reducing the incidence of surgical site complications and surgical site infections in vascular surgery.

Note: Clinical data based on 3M™ Prevena™ Therapy Units (7-Day) and Prevena™ Dressings.

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

‡Statistically significant (*p* < 0.05)

Note: The effectiveness of Prevena Therapy in reducing the incidence of SSIs and seroma in all surgical procedures and populations has not been demonstrated. See full indications for use and limitations at mykci.com.

Note: Prevena™ and Prevena Restor™ Dressings are suitable for application on various anatomical locations.

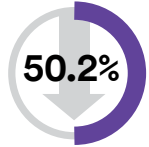
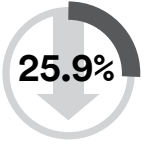
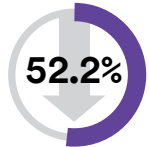
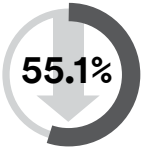
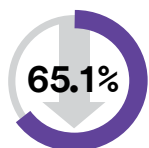
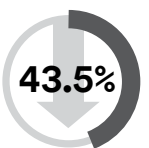


Not all ciNPT systems are the same for breast surgery

Preventing complications is a goal of every surgery. However, patient history and comorbidities, along with procedural risk, can increase the likelihood of various postoperative surgical site complications (SSCs).

The following meta-analysis comparison evaluated the clinical evidence and outcomes of two single-use negative pressure therapy (sNPT) systems over closed incisions.¹⁴



| Breast surgery | 3M™ Prevena™ Therapy | Smith & Nephew PICO single-use NPWT system |
|--|--|--|
| Surgical site complications <i>Relative risk reduction</i> |  4 studies $p=.025^\ddagger$ |  4 studies $p=.353$ |
| Surgical site infections <i>Relative risk reduction</i> |  3 studies $p=.053$ |  4 studies $p=.196$ |
| Dehiscence <i>Relative risk reduction</i> |  3 studies $p=.005^\ddagger$ |  4 studies $p=.001^\ddagger$ |

This study demonstrated that Prevena Therapy significantly aided in reducing the incidence of surgical site complications in breast surgery.

Note: Clinical data based on 3M™ Prevena™ Therapy Units (7-Day) and Prevena™ Dressings.

Note: The use of Prevena Therapy for reduction in the incidence of dehiscence has not been reviewed by the U.S. FDA.

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

‡Statistically significant ($p < 0.05$)

Note: The effectiveness of Prevena Therapy in reducing the incidence of SSIs and seroma in all surgical procedures and populations has not been demonstrated.

See full indications for use and limitations at mykci.com.

Note: Prevena™ and Prevena Restor™ Dressings are suitable for application on various anatomical locations.



Versatility that meets your patients' needs

3M offers an expansive portfolio of negative pressure therapy dressings for closed incisions in several configurations and sizes to meet the needs of the surgeon while providing coverage for various surgical procedures and anatomical locations.

3M™ Prevena™ Dressings

Designed for linear incisions in integrated peel-and-place and customizable options.



3M™ Prevena™ Peel and Place Dressings
Designed for ease of use for linear incisions up to 35 cm.



3M™ Prevena™ Plus Customizable Dressings
Designed for flexibility and user customization for linear, non-linear, and intersecting incisions up to 90 cm.

3M™ Prevena Restor™ Dressings

Designed for incision and surrounding soft tissue coverage in integrated peel-and-place and customizable options.



3M™ Prevena Restor™ Arthro•Form™ Dressing



3M™ Prevena Restor™ Axio•Form™ Dressing



3M™ Prevena Restor™ Bella•Form™ Dressing



3M™ Prevena Restor™ Roto•Form™ Dressing



3M™ Prevena Restor™ Adapti•Form™ Dressing

3M Negative Pressure Therapy devices

From hospital to home, 3M's family of negative pressure therapy devices are scientifically engineered to help simplify care.



- 3M™ V.A.C.® Ultra Therapy Unit
- 3M™ ActiV.A.C.™ Therapy Unit
- 3M™ Prevena™ Plus 125 Therapy Unit



Resources to help you protect patients beyond the OR



200 peer-reviewed clinical studies and 30 randomized control trials and growing*

*As of November 2022.



Robust portfolio of proprietary ciNPT dressings



Centralized, on-demand clinical and technical support



Live clinical training and product support
3M educates thousands of healthcare professionals annually



To learn more, please contact your local 3M representative or visit us at [3M.com/PrevenaCentral](https://www.3m.com/PrevenaCentral).



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. Rx only.

3M™ Prevena™ Therapy Indications for Use:

3M™ Prevena™ 125 Therapy Unit and 3M™ Prevena™ Plus 125 Therapy Unit manage the environment of closed surgical incisions and remove fluid away from the surgical incision via the application of -125mmHg continuous negative pressure.

When used with legally marketed compatible dressings, Prevena 125 and Prevena Plus 125 Therapy Units are intended to aid in reducing the incidence of seroma; and, in patients at high risk for post-operative infections, aid in reducing the incidence of superficial surgical site infection in Class I and Class II wounds.

The effectiveness of Prevena Therapy in reducing the incidence of SSIs and seroma in all surgical procedures and populations has not been demonstrated. See full indications for use and limitations at mykci.com.

Note: The indication statement does not apply to the Prevena Plus 125 Therapy Unit (14-Day) that comes with the 3M™ Prevena Restor™ System Kits (see Prevena Restor System Instructions for Use).

3M™ Prevena™ Restor™ Therapy Indications for Use:

The 3M™ Prevena Restor™ Incision Management System is intended to manage the environment of surgical incisions that continue to drain following sutured or stapled closure by maintaining a closed environment and removing exudate via the application of negative pressure wound therapy.

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