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PRM | Proactive Risk Management (PRM) with Solventum™ Prevena™ Therapy

Orthopedic Trauma Surgery

Protect the incision, optimize the outcome

Protect patients by helping to reduce the risk of surgical site complications[1]

Solventum™ Prevena™ Therapy is engineered to proactively protect incisions to help reduce postoperative complications

↓50%

Reduced lateral strain along the incision to maintain its integrity[2]

↑51%

Stronger approximation of the incision vs. sutures alone[2]

6-10x

Increased incision tension strength after 3 days vs. standard incisions[3]

Effectively managing the risk of postoperative complications is a priority

You are faced with challenges that can negatively impact your patients' outcomes

Challenges like:		
Increased patient comorbidities (i.e., risk factors like obesity, diabetes, smoking and aging)	**Complex and extended surgeries**	**High-tension incision closures and greater risk of fluid buildup**[4–6]
Leading to costly postoperative complications, such as:		
Disrupted postoperative healing and increased risk and cost of surgical site infections (SSIs)	Extended hospital stays	Readmissions and reoperations due to complications
SSIs account for: **22% of all healthcare-associated infections**[7,8] **and $38,656 in average added cost**[9]	Patients that develop an SSI have on average a **9.58-day longer hospital stay**[9] and **2.2x longer ICU stay**[10]	Patients with an SSI are **6x more likely to have a 30-day readmission**[10]

Proactive risk management (PRM) with Solventum™ Prevena™ Therapy may help prevent complications that delay recovery.[11]

Closed-incision negative pressure therapy (ciNPT) helps surgeons take a proactive approach to incision management[1]

An international multidisciplinary panel of experts reached consensus on the following for ciNPT with reticulated open cell foam (ROCF)

Risk factors supporting the use of ciNPT dressings with ROCF:

- When patient risk factors ≥ 2
- When incision risk factors ≥ 2
- For high-tension incision closures
- For incisions with a high risk of seroma formation
- For incisions after high-energy trauma
- For incisions with a high risk of compromised perfusion
- For repeated incisions or revision surgeries
- For cases in which delayed incision healing would postpone adjuvant therapy
- When there are signs of hypoperfusion near the incision

Conditions supporting the use of area ciNPT dressings:

- When there are large, undermined areas around the incision
- When there is a high risk of edema
- When there is a high risk of lymphedema
- After closure with flaps
- Over nonlinear, intersecting or branching incisions
- Over new incisions that cross over previously healed incisions
- Over surgical sites with a thin soft-tissue envelope
- Where there is a need to reduce seroma space

Read the summary and access the full consensus

Prevena Therapy has consistently helped improve post-surgical outcomes[11]

A peer-reviewed meta-analysis of 84 studies across various surgical specialties found:

Clinical complications*

Prevena Therapy significantly reduced the relative risk of:

- ↓46% **Surgical site complications (SSCs)** 46 studies; p<0.001†
- ↓47% **Surgical site infections (SSIs)** 65 studies; p<0.001†
- ↓32% **Seromas** 27 studies; p=0.004†
- ↓38% **Dehiscence** 38 studies; p=0.022†
- ↓53% **Skin necrosis** 10 studies; p=0.001†

Health economic outcomes*

Prevena Therapy significantly reduced:

- ↓36% **Return to OR** 24 studies; p<0.039†
- ↓23% **Readmission** 40 studies; p<0.001†
- ↓0.9 days **Hospital length of stay** 25 studies; p<0.001†

Evidence in lower-extremity trauma

Nearly 2x less likely to develop infection in high-risk lower-extremity fractures when using incisional negative pressure wound therapy (iNPWT) vs. conventional dressings[12]

Significantly reduced total infections in high-risk lower-extremity fractures

Randomized control trials at 4 trauma centers; p=0.049†

Significantly lower rates of deep SSIs,[a] superficial SSIs,[b] and dehiscence[c] in orthopedic trauma surgeries with Prevena Therapy compared with conventional dressings[13]

a. 4.8% vs 12.7%, p=0.002†, 6 studies;
b. 1.4% vs 14.9%, p=0.03†, 2 studies;
c. 3.5% vs 11.7%, p=0.02†; 2 studies

A retrospective cohort study at a Level 1 trauma center shows Prevena Therapy **may reduce costs in high-risk orthopedic trauma patients by $2,381-$4,436 per patient[14]**

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

† Statistically significant (p < 0.05)

Uniquely designed dressings to help manage incisions

How it works

Acts as a barrier to external contamination[20]

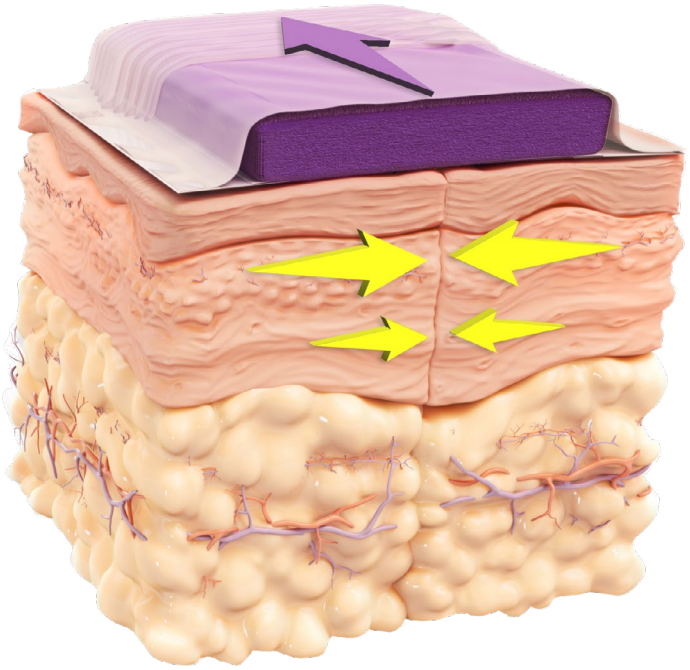
Delivers continuous -125 mmHg up to 14 days*

Decreases lateral tension of sutured or stapled incisions[2,‡]

Helps to hold incision edges together[2]

Removes fluids and infectious materials[15,†]

Reduces edema[3]



Direction of fluid

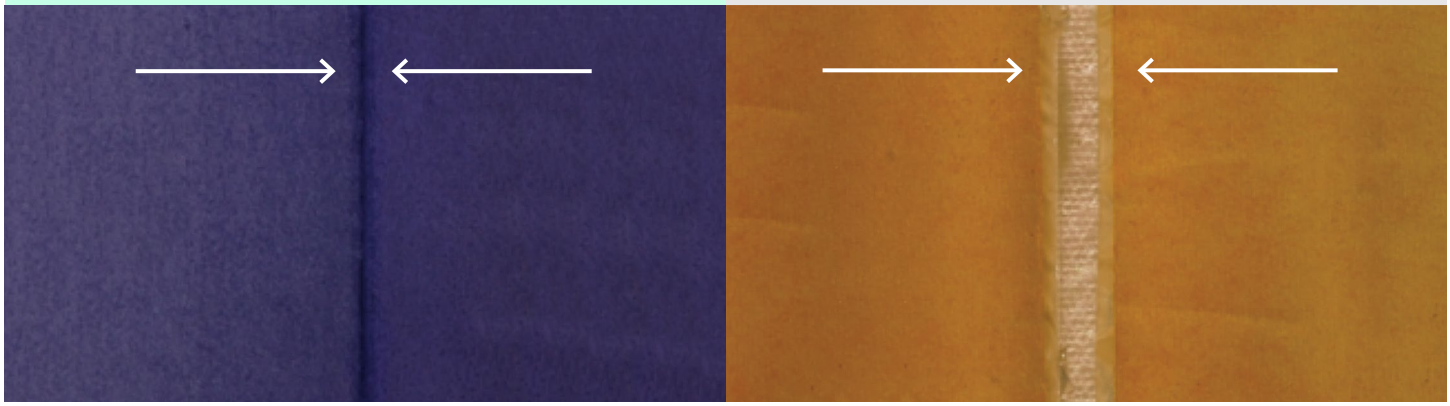
Appositional force

* Dressing change required at 7 days
† In a canister
‡ In computer bench models

Not all ciNPT is the same

Solventum™ Prevena™ Therapy provides improved closure over the competition[18]

Reticulated open cell foam (ROCF) dressing	vs.	Multilayer absorbent dressings
94-100% reduction in incision width after one hour of negative pressure application ($p < 0.015$)[18*]		**39-45% reduction** in incision width after one hour of negative pressure application ($p < 0.015$)[18*]



*Under controlled conditions, in this laboratory study, a simulated incision gap (3mm wide x 360mm long) was created in a Dermasol model. Solventum™ 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.[18]

A study found canister-based ciNPT systems are more likely to achieve better clinical outcomes vs. canister-less systems[19]*

Solventum™ Prevena™ Therapy ciNPT system optimizes exudate control and maintains negative pressure by:

- **Removing exudate from incision site**
- **Allowing for quantification and qualification inspection of exudate**
- **Maintaining negative pressure of -125 mmHg by transporting excess fluid to a canister**

Canister-less systems did not remove exudate from site and over time may not deliver the same amount of pressure, which could impact effectiveness.*

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

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

Not all incisions are linear

Various surgical procedures and anatomical locations have different coverage needs

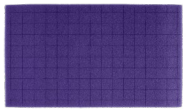
Solventum offers an expansive portfolio with customizable options designed for easy application.

Solventum™ Prevena Restor™ Dressings

Designed to extend coverage to manage the surgical site and surrounding soft- tissue envelope

Solventum™ Prevena Restor™ AxioForm™ Dressing

Solventum™ Prevena Restor™ BellaForm™ Dressing



Solventum™ Prevena Restor™ AdaptiForm™ Dressing

Solventum™ Prevena™ Dressings

Designed to manage linear, nonlinear, and intersecting incisions

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

Solventum™ Prevena Plus™ Customizable Dressing
Designed for flexibility and user customization for linear, nonlinear and intersecting incisions up to 90 cm

From hospital to home, our negative pressure therapy devices help simplify care

Solventum™ V.A.C.® Ulta™ Therapy Unit

Solventum™ ActiV.A.C.™ Therapy Unit

Solventum™ Prevena Plus™ 125 Therapy Unit

Note: Dressing availability is subject to clearance by market; not available in all markets – contact local commercial team regarding product availability.

Help protect your patients in the OR and beyond

SKU	Description	UOM
Therapy Devices		
PRE4000US	Solventum™ Prevena Plus™ 125 Therapy Unit, 7-Day	Each
PRE4010	Solventum™ Prevena Plus™ 125 Therapy Unit, 14-Day	Each
Dressings		
PRE1055US	Solventum™ Prevena™ Peel and Place Dressing, 20 cm	Case of 5
PRE1155US	Solventum™ Prevena™ Peel and Place Dressing, 13 cm	Case of 5
PRE3255US	Solventum™ Prevena Plus™ Peel and Place Dressing, 35 cm	Case of 5
PRE4055US	Solventum™ Prevena Plus™ Customizable Dressing	Case of 5
PRE5255	Solventum™ Prevena Restor™ BellaForm™ Dressing, 21 cm x 19 cm	Case of 5
PRE5355	Solventum™ Prevena Restor™ BellaForm™ Dressing, 24 cm x 22 cm	Case of 5
PRE5455	Solventum™ Prevena Restor™ BellaForm™ Dressing, 29 cm x 27 cm	Case of 5
PRE5555	Solventum™ Prevena Restor™ AxioForm™ Dressing, 29 cm x 28 cm	Case of 5
PRE6055	Solventum™ Prevena Restor™ AdaptiForm™ Dressing, 49 cm x 28 cm	Case of 5
Accessories		
PRE1095	Solventum™ Prevena™ Canister, 45 mL	Case of 5
PRE4095	Solventum™ Prevena Plus™ Canister, 150 mL	Case of 5
Kits		
PRE1001US	Solventum™ Prevena™ Incision Management System, 20 cm	Each
PRE1101US	Solventum™ Prevena™ Incision Management System, 13 cm	Each
PRE3201US	Solventum™ Prevena Plus™ Incision Management System, 35 cm	Each
PRE4001US	Solventum™ Prevena Plus™ Customizable Incision Management System	Each
PRE1121US	Solventum™ Prevena™ Duo Incision Management System, 13 cm/13 cm	Each
PRE3321US	Solventum™ Prevena Plus™ Duo Incision Management System, 13 cm/20 cm	Each
PRE3021US	Solventum™ Prevena Plus™ Duo Incision Management System, 20 cm/20 cm	Each
PRE5221	Solventum™ Prevena Restor™ BellaForm™ Incision Management System, 21 cm/19 cm	Each
PRE5321	Solventum™ Prevena Restor™ BellaForm™ Incision Management System, 24 cm/22 cm	Each
PRE5421	Solventum™ Prevena Restor™ BellaForm™ Incision Management System, 29 cm/27 cm	Each
PRE5501	Solventum™ Prevena Restor™ AxioForm™ Incision Management System, 29 cm/28 cm	Each
PRE6001	Solventum™ Prevena Restor™ AdaptiForm™ Incision Management System, 49 cm/28 cm	Each

Need help with your order? We're here to support you

Call 1-800-275-4524 or contact your local representative for more information.

Centralized, on-demand clinical and technical support

Clinical services and reimbursement hotlines

Live clinical training and product support
Solventum™ educates thousands of HCPs annually

Free product evaluation program

Protect incisions, protect patients

Choose Prevena Therapy

Protect the incision

Optimize the healing environment

Help reduce the risk of surgical site complications

Consistent performance demonstrated in:

275+
Peer-reviewed clinical publications*

35+
randomized control trials*

* Clinical evidence as of August 2025

Case studies | Application tips | Testimonials

Help improve the postoperative recovery experience with Prevena Therapy

For more information and resources, visit **Prevena.com**.

Recommended by experts[1]

Access list of risk factors supporting use of ciNPT dressings that utilize ROCF

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ciNPT: closed incision negative pressure therapy

HCP: healthcare professional

iNPWT: incisional negative pressure wound therapy

ROCF: reticulated open cell foam

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.

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