



Prevena Restor™

Postoperative Recovery



Rethink recovery in orthopedic surgery

Gain the confidence and control to help patients achieve the best possible outcomes.

Recognizing the risks of orthopedic surgery

You have complete confidence in the OR. But after discharge, countless recovery challenges can impact both short- and long-term outcomes. Complications like swelling, dehiscence and infections can jeopardize patient mobilization and even lead to reoperations.

Orthopedic surgery generally has a

5% mean rate of complications¹

Procedures with the highest reported complication rates:

24-27%
Lower extremity fractures

8-12%
Revision hip and knee arthroplasty

7-11%
Spinal lumbar surgery

5.4%

30-day readmission rate²



How can you help ensure your hard work is protected, and your patient is on the path to recovery?

You need a tool that can help control recovery once your patients leave your care.

Rethink recovery with 3M™ Prevena Restor™ Therapy

Prevena Restor Therapy provides protection and reduces edema by managing the incision and surrounding soft tissue

The first therapy system to provide 14 days of continuous -125 mmHg negative pressure therapy* with expanded coverage for the incision and surrounding soft tissue.

Prevena Restor Therapy offers patients comprehensive protection with dressings designed for a variety of anatomical locations. Each dressing, combined with negative pressure, provides stabilization to the surgical site and creates a strong barrier to external contaminants, helping to reduce the risk of complications.³⁻⁵

3M™ Prevena Restor™ Dressings



3M™ Prevena Restor™
Arthro•Form™ Dressing



3M™ Prevena Restor™
Axio•Form™ Dressing



3M™ Prevena Restor™
Bella•Form™ Dressing



3M™ Prevena Restor™
Roto•Form™ Dressing

Prevena Restor Therapy can be applied to a variety of anatomical locations, including:



Ankle



Knee



Hip



Elbow



Shoulder

Now, you can extend your control after discharge to help reduce complications, support patient compliance with rehab protocols, and set the stage for an optimized recovery.

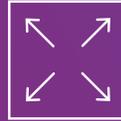
*Up to 14 days of therapy with a dressing change required at 7 days.

Optimize care with 3M™ Prevena Restor™ Therapy



Extended therapy time

Up to 14 days of therapy, with a dressing change required at 7 days



Expanded coverage area*

Larger dressing delivers therapy to the incision *and* surrounding soft tissue envelope



Precision design

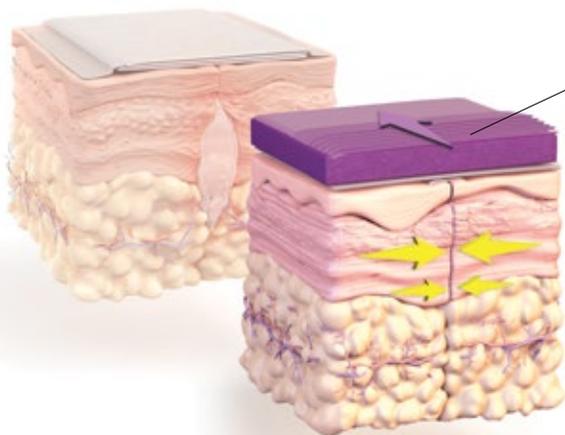
Seamlessly conforms to the patient



Easy to apply

Simply peel and place the form-fitting dressing

Prevena Restor Therapy is built on the proven technology of the original 3M™ Prevena™ Therapy



Prevena Therapy science and mechanism of action

- Delivers continuous negative pressure therapy (-125mmHg) to the incision site (up to 7 days)
- Helps hold incision edges together⁶
- Removes fluid and infectious materials⁷
- Creates a barrier to external contaminants³
- Reduces edema⁸

3M™ Prevena Restor™ Incision Management System indication statement

The 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 exudates via the application of negative pressure wound therapy.

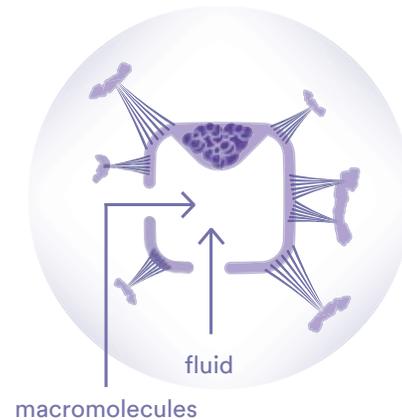
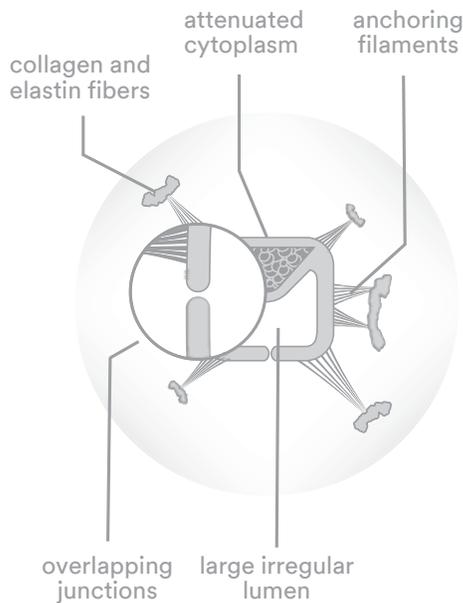
*Compared with 3M™ Prevena™ Dressings.

How 3M™ Prevena™ Therapy reduces edema

The effects of negative pressure applied to intact skin via Prevena Therapy were evaluated using finite element analysis (FEA).⁹

Closed terminal lymphatic pore
(overlapping endothelial cells)¹⁰

Open terminal lymphatic pore
(separated endothelial cells)¹⁰



Based on the analysis, it is hypothesized that volumetric expansion may help⁹:

1. Expand the tissue beneath the dressing, pulling the tissue open
2. Lower local interstitial fluid pressure
3. Open lymphatics to allow fluid clearance

Tissue beneath the dressing is expanded, not compressed

3M™ Prevena Restor™ Therapy: Real-world experience

Contact your local 3M representative or go to PrevenaRestor.com for more real-world Prevena Restor Therapy case studies.



Pilon fracture open reduction internal fixation

Photo courtesy of Ravi Karia, MD; Department of Orthopaedics, University Health San Antonio, San Antonio, TX



Revision total knee joint arthroplasty

Photo courtesy of Yavonne L. Johnson, PA-C, Evan Argintar, MD; Washington, DC



Scapula open reduction internal fixation

Photo courtesy of Nishant Suneja, MD; Department of Orthopaedic Surgery, Brigham and Women's Hospital, Harvard Medical School, Boston, MA; and NYC Health and Hospitals/Lincoln/Kings County, New York, NY



Revision total hip joint arthroplasty

Photo courtesy of Yavonne L. Johnson, PA-C, Evan Argintar, MD; Washington, DC

As with any case study, the results and outcomes should not be interpreted as a guarantee or warranty of similar results. Individual results may vary depending on the patient's circumstances and condition.

3M™ Prevena Restor™ Therapy— your comprehensive approach to recovery

Rethink recovery with Prevena Restor Therapy.



Helps protect
the surgical site



Reduce
edema



Optimize
the healing
environment



Enhance the
recovery
experience



Contact your local representative to
learn more about Prevena Restor Therapy



REFERENCES: 1. Molina CS, Thakore RV, Blumer A, Obrensky WT, Sethi MK. Use of the National Surgical Quality Improvement Program in orthopaedic surgery. *Clin Orthop Relat Res.* 2015 May;473(5):1574-81. doi:10.1007/s11999-014-3597-7. PMID: 24706043; PMCID: PMC4385340. 2. Bernatz JT, Tueting JL, Anderson PA. Thirty-day readmission rates in orthopedics: a systematic review and meta-analysis. *PLoS One.* April 17, 2015. doi:10.1371/journal.pone.0123593. 3. Payne J. Evaluation of the resistance of the Prevena™ incision dressing top fila™ to viral penetration. San Antonio, TX: Kinetic Concepts, Inc.; June 19, 2009. Report No.: 0000021109. 4. Suh H, Hong JP. One stage allogenic acellular dermal matrices (ADM) and split-thickness skin graft with negative pressure wound therapy. In: Gore M, ed. *Skin Grafts.* Intech Open, 2013. doi:10.5772/53304.15. 5. Hall WW, Jeffords K, Hauck RM, Banducci DR, Graham WP 3rd. Negative-pressure dressings as a bolster for skin grafts. *Ann Plast Surg.* 1998 May;40(5):453-457. doi:10.1097/0000637-199805000-00001. 6. Wilkes RP, Kilpadi DV, Zhao Y, Kazala R, McNulty A. Closed incision management with negative pressure wound therapy (CIM): biomechanics. *Surg Innov.* 2012 Mar;19(1):67-75. doi:10.1177/1553350611414920. 7. Kilpadi DV, Cunningham MR. Evaluation of closed incision management with negative pressure wound therapy (CIM): hematoma/seroma and involvement of the lymphatic system. *Wound Repair Regen.* 2011;19(5):588-596. doi:10.1111/j.1524-475X.2011.00714.x. 8. Glaser DA, Farnsworth CL, Varley ES, et al. Negative pressure therapy for closed spine incisions: a pilot study. *Wounds.* 2012 Nov;24(11):308-316. 9. Balakrishna H. Negative Pressure Therapy on Intact Skin: Poroelastic Finite Element Modeling of Interstitial Fluid Pressures. 25 June 2019. 10. Skobe M, Detmar M. Structure, function, and molecular control of the skin lymphatic system. *J Invest Dermatol Symp Proc.* 2000;5(1):14-19. doi:10.1046/j.1087-0024.2000.00001.x.



The data referenced in this brochure was derived from studies using the 3M family of negative pressure technology, but not specifically 3M™ Prevena Restor™ Therapy.

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