



# Prevena Restor™

Postoperative Recovery



## Rethink recovery in plastic surgery

Now, you can do more to support your patients and give them the aesthetic and physical outcomes they deserve.

# Recognizing the risks of plastic surgery

You're confident in the OR and can help give patients peace of mind. However, that confidence can be lost when your patient is discharged from the OR for recovery. After discharge, there can be multiple concerns, including swelling, infections and improper tissue integration. Aesthetic outcomes are top of mind for both you and your patient.

## After mastectomy or breast reconstruction:

**20.5%** — Infection rate<sup>1</sup>

**10%** — SSI rate<sup>2</sup>

**8%** — Skin necrosis rate<sup>3</sup>

## After abdominal surgeries:

Perfusion-related complications like infection, seroma, hematoma and necrosis are also common:

**10-45%**

Complication rate in abdominoplasty procedures<sup>4</sup>

**24.7%**

Complication rate with deep inferior epigastric perforators (DIEP) flap surgery<sup>5</sup>

## Surgeons face unique pressures:

- Risk that aesthetic and clinical outcomes will be judged negatively by patients
- Risk that seromas, hematomas and/or infections will result in the need for additional procedures
- Risk that anxious patients will add a layer of scrutiny to the surgical process

# 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.<sup>6-8</sup>

## 3M™ Prevena Restor™ Dressings

3M™ Prevena Restor™  
Arthro•Form™ Dressing



3M™ Prevena Restor™  
Bella•Form™ Dressing



3M™ Prevena Restor™  
Axio•Form™ Dressing



3M™ Prevena Restor™  
Roto•Form™ Dressing



**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

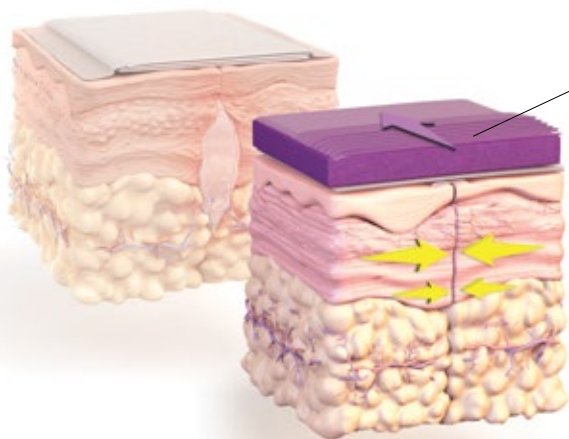
Seamlessly conforms to the patient



## 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 together<sup>9</sup>
- Removes fluid and infectious materials<sup>10</sup>
- Creates a barrier to external contaminants<sup>6</sup>
- Reduces edema<sup>11</sup>

### 3M™ Prevena Restor™ Incision Management System indication statement

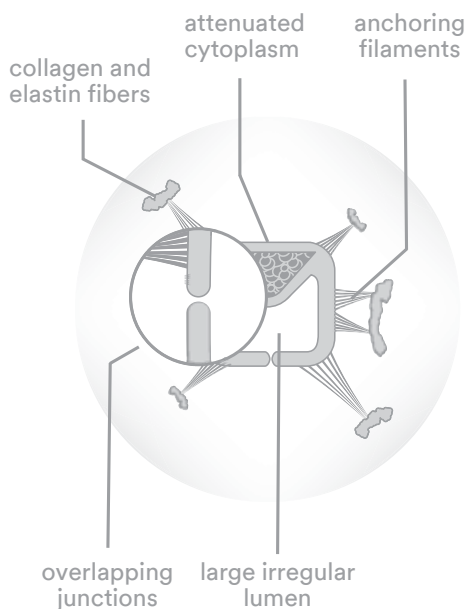
The Prevena Restor Incision Management System is intended to manage the environment of surgical incisions that continue to drain following sutured or stapled closure, by maintaining a closed environment and removing exudates via the application of negative pressure wound therapy.

\*Compared with 3M™ Prevena™ Dressings.

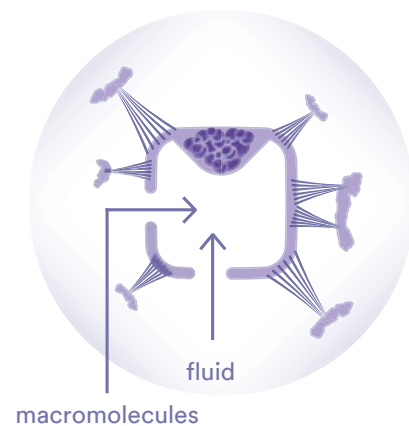
# How 3M™ Prevena™ Therapy reduces edema

The effects of negative pressure applied to intact skin via Prevena Therapy were evaluated using finite element analysis (FEA).<sup>12</sup>

**Closed terminal lymphatic pore**  
(overlapping endothelial cells)<sup>13</sup>



**Open terminal lymphatic pore**  
(separated endothelial cells)<sup>13</sup>



**Based on the analysis, it is hypothesized that volumetric expansion may help<sup>12</sup>:**

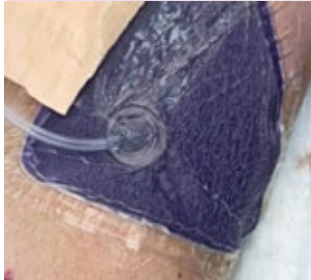
- 1** Expand the tissue beneath the dressing, pulling the tissue open
- 2** Lower local interstitial fluid pressure
- 3** Open lymphatics to allow fluid clearance

**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](http://PrevenaRestor.com) for more real-world Prevena Restor Therapy case studies.



## Complex lower extremity wound

*Photo courtesy of Allen Gabriel, MD, FACS; Global Surgical Consulting; Camas, WA.*



## Double mastectomy

*Photo courtesy of Allen Gabriel, MD, FACS; Global Surgical Consulting; Camas, WA.*



## Oncoplastic bilateral breast reconstruction

*Photo courtesy of Abhishek Chatterjee, MD, MBA, Tufts Medical Center, Boston, MA.*

**Prevena Restor Therapy can be applied to a variety of procedures and anatomical locations:**



**Breast**



**Abdomen**



**Soft Tissue Defects**



**Flaps**

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. Jaggi R, Jiang J, Momoh AO, et al. Complications After Mastectomy and Immediate Breast Reconstruction for Breast Cancer: A Claims-Based Analysis. *Ann Surg.* 2016;263(2):219-27. doi: 10.1097/SLA.0000000000001177. PMID: 25876011; PMCID: PMC4824182. 2. Bennett KG, Qi J, Kim HM, Hamill JB, Pusic AL, Wilkins EG. Comparison of 2-Year Complication Rates Among Common Techniques for Postmastectomy Breast Reconstruction. *JAMA Surg.* 2018;153(10):901-908. doi:10.1001/jamasurg.2018.1687. 3. Sue GR, Long C, Lee GK. Management of Mastectomy Skin Necrosis in Implant Based Breast Reconstruction. *Ann Plast Surg.* 2017;78(5 Suppl 4):S208-S211. doi: 10.1097/SAP.0000000000001045. PMID: 28301366. 4. Bullocks J, Basu CB, Hsu P, Singer R. Prevention of Hematomas and Seromas. *Semin Plast Surg.* 2006;20(4):233-240. doi:10.1055/s-2006-951581. 5. Krishnan NM, Purnell C, Nahabedian MY, et al. The cost effectiveness of the DIEP flap relative to the muscle-sparing TRAM flap in postmastectomy breast reconstruction. *Plast Reconstr Surg.* 2015;135(4):948-958. doi: 10.1097/PRS.0000000000001125. PMID: 25811560. 6. 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. 7. 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. 8. 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. 9. 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. 10. 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. 11. 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. 12. Balakrishna H. Negative Pressure Therapy on Intact Skin: Poroelastic Finite Element Modeling of Interstitial Fluid Pressures. 25 June 2019. 13. 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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