3M | Prevena™ Incision Therapy

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

Clinical evidence (level I & III): General surgery

Patient and procedure risk stratification backed by clinical evidence

While surgical patients may benefit from Prevena Therapy, patients at high risk for complications such as surgical site infection may see added benefit. The following uses select study data[1-8] to provide an illustrative guide to aid in risk stratification. This is not an all-inclusive list of risk factors. Clinicians are advised to use their clinical judgment to identify high-risk patients or high-risk procedures.

Start here

Patient Risk Stratification
General Surgery

▸ Does the patient have **at least one** of the following risk factors for developing surgical site complications?

- ☐ Obesity (e.g.BMI>30 kg/m2)
- ☐ Active tobacco use
- ☐ Diabetes
- ☐ Preoperative steroid or immunosuppressant use
- ☐ Advanced age
- ☐ Hypertension
- ☐ Malignancy
- ☐ Malnutrition
- ☐ Diffuse atherosclerotic disease
- ☐ Pulmonary disease
- ☐ Chronic inflammatory disease
- ☐ Preoperative bile stent/drain
- ☐ Neoadjuvant chemotherapy

No → **Procedure Risk Stratification**
General Surgery

▸ Is the procedure **high risk**?

- ☐ Emergency surgery
- ☐ Pre- or postoperative stoma
- ☐ Contaminated or dirty wound
- ☐ Preexisting wound infection
- ☐ Previous radiation therapy
- ☐ Ascites

Yes / **No**

Yes (Patient Risk Stratification)

Consider Prevena Therapy

For additional safety information and instructions for use, consult the 3M™ Prevena™ Incision Management System Clinician Guide or contact your local 3M representative.

Standard Dressing

References

1. Willy C, Agarwal A, Andersen CA, De Santis G, Gabriel A, Grauhan O, Guerra OM, Lipsky BA, Malas MB, Mathiesen LL, Singh DP, Reddy VS. Closed incision negative pressure therapy: international multidisciplinary consensus recommendations. Int Wound J. 2017 Apr;14(2):385-398. **OPEN ACCESS** *2. Curran T, Alvarez D, Pastrana Del Valle J, Cataldo TE, Poylin V, Nagle D. Prophylactic closed incision negative pressure wound therapy is associated with decreased surgical site infection in high-risk colorectal surgery laparotomy wounds. Colorectal Dis. 2019 Jan. 21(1):110-118.* **OPEN ACCESS** *3. Javed AA, Teinor J, Wright M, Ding D, Burkhart RA, Hundt J, Cameron JL, Makary MA, He J, Eckhauser FE, Wolfgang CL, Weiss MJ. Negative Pressure Wound Therapy for Surgical-site Infections: A Randomized Trial. Annals of Surgery. 2019 Jun;269(6):1034-1040.* **PMID 31082899** *4. Zaidi A, El-Masry S. Closed incision negative pressure therapy in high-risk general surgery patients following laparotomy: a retrospective study. Colorectal Disease. 2017 Mar;19(3):283-287.* **OPEN ACCESS** *5. Licari L, Campanella S, Carolla C, Viola S, Salamone G. Closed Incision Negative Pressure Therapy Achieves Better Outcome Than Standard Wound Care: Clinical Outcome and Cost-Effectiveness Analysis in Open Ventral Hernia Repair With Synthetic Mesh Positioning. Cureus. 2020;12(5):e8283.* **OPEN ACCESS** *6. Ayuso SA, Elhage SA, Okorji LM, Kercher KW, Colavita PD, Heniford BT, Augenstein VA. Closed-Incision Negative Pressure Therapy Decreases Wound Morbidity in Open Abdominal Wall Reconstruction With Concomitant Panniculectomy. Ann Plast Surg. 2022 Apr 1;88(4):429-433.* **PMID 34670966** *7. Cheong Chung JN, Ali O, Hawthornthwaite E, Watkinson T, Blyth U, McKigney N, Harji DP, Griffiths B. Closed incision negative pressure wound therapy is associated with reduced surgical site infection after emergency laparotomy: A propensity matched-cohort analysis. Surgery. 2021 May 26:S0039-6060(21)00334-2.* **PMID 34052025** *8. Lakhani A, Jamel W, Riddiough GE, Cabalag CS, Stevens S, Liu DS. Prophylactic negative pressure wound dressings reduces wound complications following emergency laparotomies: A systematic review and meta-analysis. Surgery. 2022 Sep;172(3):949-954.* **PMID 35779950**

Advancing the standard of care.

View the general surgery clinical evidence summary

3M

3M Company
2510 Conway Ave.
St. Paul, MN 55144 USA

Phone 1-800-275-4524 (NPWT products)
1-800-228-3957

Web 3m.com/medical

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.

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).

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.

US_70-2013-1601-8