solventum

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

Clinical evidence (level I): Vascular surgery

3M™ Prevena™ Incision Therapy

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[1-4] 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
Vascular 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 mellitus (e.g. hemoglobin A2c >8%)
- ☐ Advanced age
- ☐ Immunosuppression
- ☐ Significant pannus
- ☐ Malnutrition
- ☐ Prosthetic vascular graft
- ☐ Elevated cardiac risk (hypertension, coronary heart disease, history of myocardial infraction)
- ☐ Chronic obstructive pulmonary disease (COPD)
- ☐ Chronic kidney disease
- ☐ Dyslipidaemia
- ☐ Hypercholesterolaemia
- ☐ Hyperhomocysteinemia

Yes → **Consider Prevena Therapy**

No → **Procedure Risk Stratification**
Vascular surgery

▸ Is the procedure high risk?

- ☐ Emergency surgery
- ☐ Revision surgery
- ☐ Extended surgical time
- ☐ Traumatised soft tissue
- ☐ High-tension incision
- ☐ Multiple incisions
- ☐ Above knee amputation
- ☐ Below knee amputation
- ☐ Synthetic graft implantations

Yes → **Consider Prevena Therapy**

No → **Standard Dressing**

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

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. Kwon J, Staley C, McCullough M, Goss S, Arosemena M, Abai B, Salvatore D, Reiter D, DiMuzio P. A randomized clinical trial evaluating negative pressure therapy to decrease vascular groin incision complications. J Vasc Surg. 2018 Dec;68(6):1744-1752. **OPEN ACCESS.**
3. Gombert A, Babilon M, Barbati ME, Keszei A, von Trotha KT, Jalaie H, Kalder J, Kotelis D, Greiner A, Langer S, Jacobs MJ, Grommes J. Closed Incision Negative Pressure Therapy Reduces Surgical Site Infections in Vascular Surgery: A Prospective Randomised Trial (AIMS Trial). Eur J Vasc Endovasc Surg. 2018 Sept; 56(3):442-448. **OPEN ACCESS.**
4. Pleger SP, Nink N, Elzien M, Kunold A, Koshty A, Böning A. Reduction of groin wound complications in vascular surgery patients using closed incision negative pressure therapy (ciNPT): a prospective, randomised, single-institution study. International Wound Journal. 2018 Feb;15(1):75-83. **OPEN ACCESS.**

Advancing the standard of care

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).

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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.

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