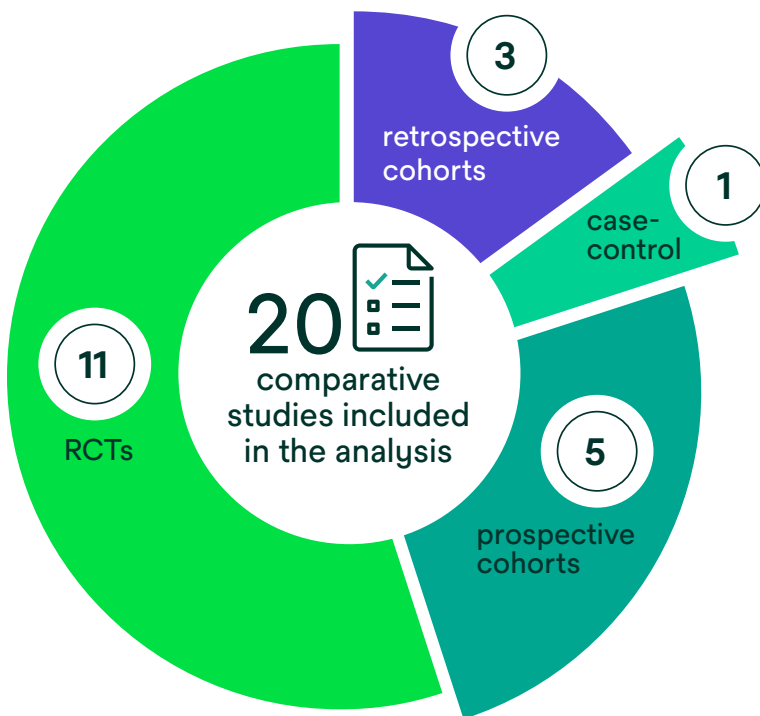


3M™ Promogran™ Matrix Family vs. Standard Dressings in Various Wound Types: A Systematic Review & Meta-analysis

Chowdhry SA, Nieves-Malloure Y, Camardo M, et al. Use of oxidised regenerated cellulose/collagen dressings versus standard of care over multiple wound types: A systematic review and meta-analysis. Int Wound J. 2022; 19: 241-252

A number of randomized controlled trials (RCTs) conducted in 2019 suggest high efficacy and advantages for Promogran Matrix Family dressings in wound management. The analysis included 20 comparative studies — 11 randomized controlled trials, 5 prospective cohorts, 1 case-control and 3 retrospective cohort studies — encompassing 2,893 patients, of whom 1,867 (64.5%) received Promogran Matrix Family dressings and 1,026 (35.5%) received standard dressings.



2,893
total patients



1,867 (64.5%)
received Promogran
Matrix Family dressings

1,026 (35.5%)
received standard
dressings

Eight studies reported adverse events, which occurred in 7.1% of patients receiving Promogran Matrix Family dressings (87 of 1224) versus 17.9% of patients receiving standard dressings (79 of 443).

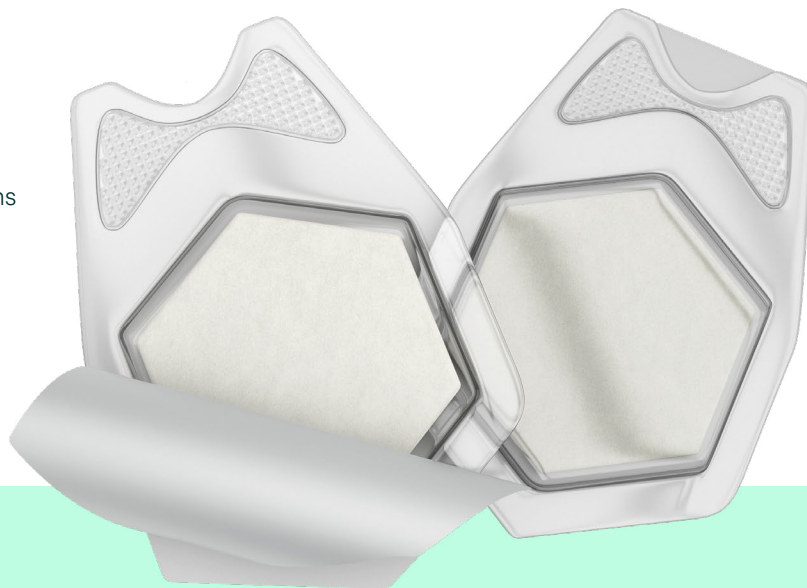
Conclusions:

In the meta-analysis, the use of Promogran Matrix Family dressings was associated with increased wound closure rates and wound area reduction.

3.4x
more likely to achieve
complete healing
with Promogran
Matrix Family dressings
(95% CI: 1.15-10.1)

Methods:

A systematic literature search was performed using PUBMED, EMBASE and QUOSA Virtual Library. Published comparative studies and conference abstracts completed by December 31, 2019 were included. Patient demographics, wound healing and protease concentrations were extracted by one reviewer and then validated by an independent review process. A random-effect model was used to assess the effect of the dressings.



Results:

Compared to standard care, wounds receiving Promogran Matrix Family dressings:



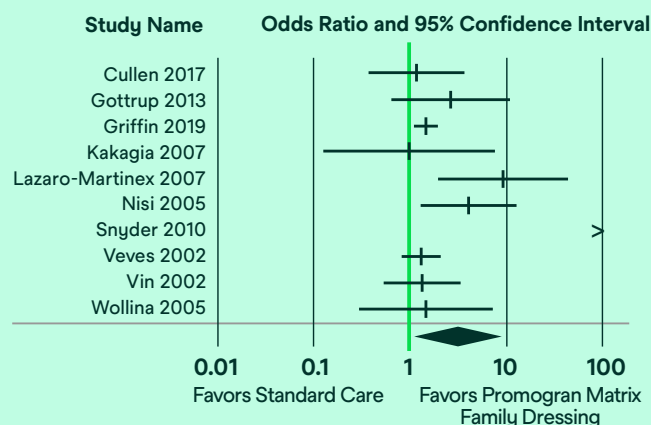
were 3.4 times more likely to achieve closure

(95%CI 1.15, 10.1; P = 0.027)
(10-study comparison)



had a significantly greater percent reduction in the wound area

(P = 0.006) (4-study comparison)



Forest plot of proportion of wounds closed comparing Promogran Matrix Family Dressings and Standard Care, based on 10 comparative studies. Adapted from Chowdhry et al. 2022.



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To learn more about how 3M™ Promogran™ Matrix Family can help benefit your patients, call 1-800-228-3957 or visit Solventum.com

Solventum, formerly 3M Health Care

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Review
full study
details