

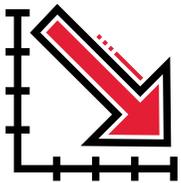
Literature review

Impact of an antimicrobial dressing in reducing surgical site infections in cardiac surgery patients

Gaspard F, Brassard P, Alam T, et al. *Wounds*. 2013 Jul;25(7):178-185.

Summary: A non-randomized, prospective cohort study was conducted at McGill University Health Center to evaluate the impact of an antimicrobial dressing (Telfa™ AMD) on SSI rates associated with cardiac surgery. Outcomes for 1,399 patients who underwent cardiac surgical procedures, including coronary artery bypass grafting (CABG) and/or valve replacement and/or repair via median sternotomy, were included in the analysis. The PHMB group demonstrated significant reductions in the CABG only SSI rate (7.1% PHMB group, 11.1% control group, $P=0.03$), overall infection rate (5.8% PHMB group, 9.8% control group, $P<0.05$) and leg infection rate (4.7% PHMB group, 10.4% control group, $P<0.05$). Exposure to the antimicrobial dressing significantly reduced infection after adjusting for differences in all other characteristics in the comparison groups (OR 0.58 [0.38–0.89]). The authors concluded that the antimicrobial dressing had a better overall efficacy, particularly for leg infections, to prevent SSIs compared to the plain dressings.

Clinical outcomes: AMD significantly reduced SSI



42% overall reduction*

59% reduction in leg infection rates*

In this study, the antimicrobial dressing had a better overall efficacy, particularly for leg infections, to prevent SSIs compared to the plain dressings used.

For more information about antimicrobial dressings with PHMB, contact your Cardinal Health sales representative, call **877.CARDINAL** or visit **cardinalhealth.com**

* Statistically significant.

About this study



Design

Non-randomized prospective cohort



Intervention

PHMB dressing (Telfa™ AMD)



Study details

- McGill University Health Center
- No practice or personnel changes
- 1-year follow-up



Number of participants

1,399 patients
treated per protocol

1,658 patients
intended to treat



Patient profile

Cardiac surgical patients

- Coronary artery bypass grafting (CABG)
- Valve replacement
- Median sternotomy