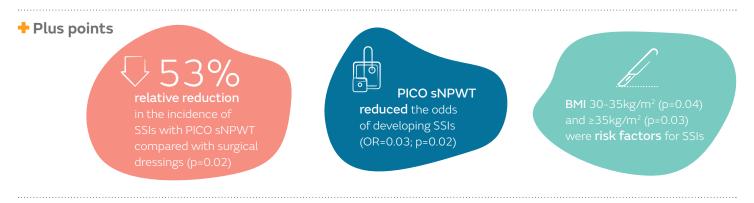
Smith_{Nephew}

PICO[•] Single Use Negative Pressure Wound Therapy System (sNPWT) helped to significantly reduce the incidence of surgical site infections (SSIs) compared with surgical dressings in patients undergoing elective colorectal surgery



Overview

- Independent, prospective, non-randomised, cohort study conducted at a single Spanish centre, assessing SSI incidence in elective open and laparoscopic open-assisted colorectal surgery
- Patients received either PICO sNPWT (n=100) or surgical dressings (OPSITE^o Post-op Visible dressing; n=100) for 7 days

and were followed up weekly after discharge for up to 30 days post surgery

• Surgical dressings used were fully occlusive and allowed visibility of the wound site

Results

- Overall, there was a significant 53% relative reduction in the incidence of SSIs with PICO sNPWT compared with surgical dressings 30 days post surgery (p=0.02; Figure)
- Multivariable analysis demonstrated:
 - PICO sNPWT reduced the odds of developing SSIs (OR 0.30; p=0.02)
 - BMI 30-35kg/m² (OR 2.68; p=0.04) and >35kg/m² (OR 3.01; p=0.03), and midline incisions (OR 2.68; p=0.02) were associated with increased odds of SSIs
- Length of hospital stay with PICO sNPWT and control dressings was similar (12.33 vs 12.39 days; p=0.82); however, it was significantly longer for patients with SSIs than those without (Figure)

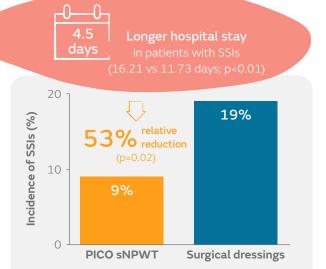


Figure. Incidence of SSIs (%) with PICO sNPWT and surgical dressings 30 days post surgery, and length of hospital stay in patients with and without SSIs

Conclusions

In patients undergoing elective colorectal surgery, PICO sNPWT helped reduce the incidence of SSIs compared with surgical dressings.

Citation

*Abadía P, Ocaña J, Ramos D, *et al.* Prophylactic use of negative pressure wound therapy reduces surgical site infections in elective colorectal surgery: A prospective cohort study. *Surg Infect.* 2020 Jun 10. [Epub ahead of print]. Available at: <u>Surgical Infections</u>

For detailed product information, including indications for use, contraindications, precautions and warnings, please consult the product's applicable Instructions for Use (IFU) prior to use.

Advanced Wound Management, Smith & Nephew Medical Ltd, 101 Hessle Road, Hull, HU3 2BN, UK. 27053-en V1 0920. Published September 2020. ⊚2020 Smith+Nephew. ≬Trademark of Smith+Nephew. All Trademarks acknowledged. GMC1171

www.smith-nephew.com/education