

Use of PICO[®] Single Use Negative Pressure Wound Therapy System (sNPWT) following stoma closure surgery helped to reduce community dressing clinic visits and recovery time compared with traditional wound packing

+ Plus points



10 fewer community dressing clinic visits with PICO sNPWT versus traditional packing (1.9 vs 11.9 visits)



Faster mean return to work/daily activities with PICO sNPWT versus traditional packing



Shorter mean length of hospital stay with PICO sNPWT versus traditional packing (5 vs 6 days)

Overview

- Retrospective analysis of patients (N=32; mean age, 55 years; 69% male) undergoing stoma closure surgery from April 2018 to June 2019
- Following purse-string closure, wounds were loosely packed with nonabsorbable dressings (n=15) or covered with a PICO sNPWT dressing (n=17) depending on the surgeons' preferences
- Outcome data were collected 2–6 weeks following surgery
 - Number of patient visits to community dressing clinics, length of hospital stay, time to return to work/daily activities and postoperative complications

Results

- Patients treated with PICO sNPWT attended a mean of 10 fewer community dressing clinics than those with traditional packing (Figure)
- More patients were able to return to work/daily activities within 2 weeks of surgery with PICO sNPWT versus traditional packing (100 vs 66%)
- Mean length of hospital stay was shorter with PICO sNPWT compared with traditional packing (5 vs 6 days)
- All post-operative complications in both groups were category 1 or 2 (Clavien-Dindo classification; scores range from 1–5 with 5 being most severe)

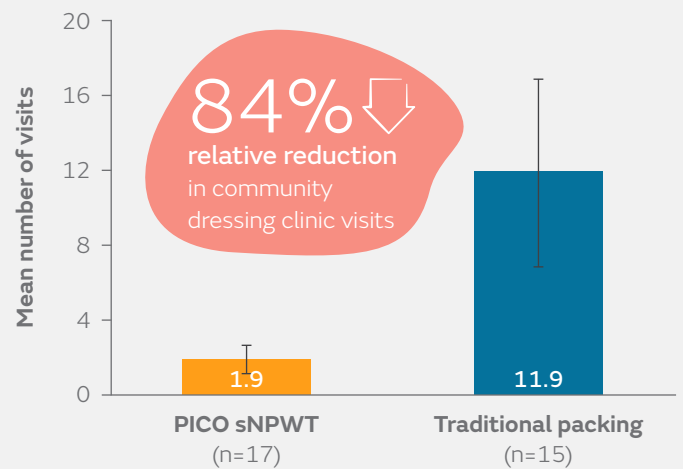


Figure. Mean number of community dressing clinic visits for patients with PICO sNPWT and traditional packing. Error bars, \pm standard deviation

Conclusions

PICO sNPWT applied following stoma closure surgery helped to reduce the number of community dressing clinic visits and length of hospital stay compared with traditional wound packing. PICO sNPWT also enabled all patients to resume work/daily activities within 2 weeks.

Citation

*Obeid N, Sharma E, Dunstan M, et al. Negative pressure therapy for stoma closure sites – a nonrandomised case control study. *Int J Colorectal Dis*. 2021;36:161–167.

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PICO sNPWT is contraindicated for non-enteric and unexplored fistulas. 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.