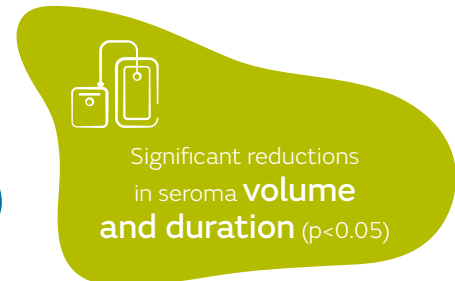
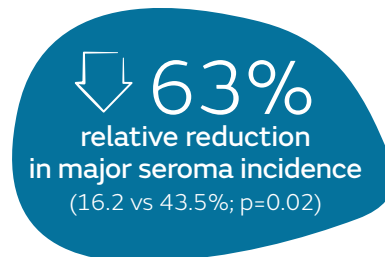
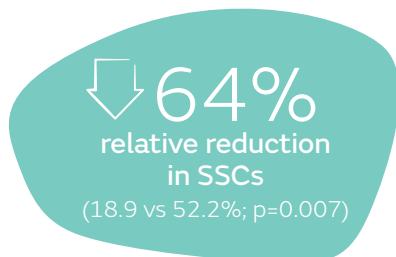


PICO[®] Single Use Negative Pressure Wound Therapy System (sNPWT) helps to reduce the incidence of surgical site complications (SSCs) and major seroma in patients undergoing prepectoral breast reconstruction

+ Plus points

Compared with standard dressings, use of PICO sNPWT resulted in:

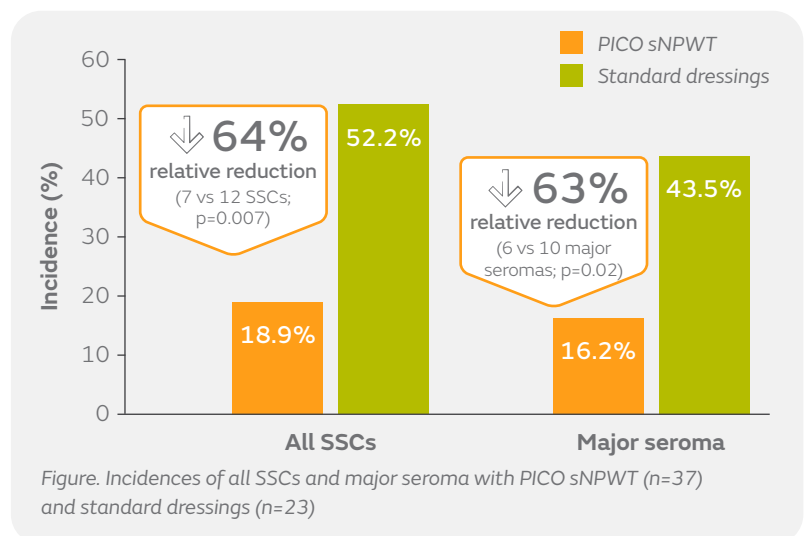


Overview

- An independent, retrospective, cohort study conducted at a single centre in South Korea (February 2017 to July 2019)
- Patients undergoing prepectoral breast reconstruction, using skin- or nipple-sparing mastectomy, received either PICO sNPWT (n=37) or standard dressings (foam dressing plus ointment; n=23) immediately after surgery
- Mean age was 46.7 years and mean BMI was 21.9kg/m²
- Overall, 18 patients (30%) received adjuvant chemotherapy and 6 patients (1%) received radiotherapy after surgery
- Incidences of SSCs, major seroma and reoperations were assessed postoperatively

Results

- With use of PICO sNPWT compared with standard dressings, there were significant reductions in:
 - SSC incidence (7 vs 12; p=0.007; Figure)
 - Major seroma incidence (6 vs 10; p=0.02; Figure)
 - Mean duration of seroma (21.9 vs 61.7 days; p=0.018)
 - Mean volume of seroma (53.9 vs 189.7cm³; p=0.019)
- Significantly fewer patients required an unplanned reoperation with PICO sNPWT than with standard dressings (1 vs 6; p=0.010)



Conclusions

When used immediately after prepectoral breast reconstruction, PICO sNPWT helped to significantly reduce the incidences of SSCs and major seroma, and fewer patients required reoperation, compared with standard dressings.

Citation

*Ryu JY, Lee JH, Kim JS, et al. Usefulness of incisional negative pressure wound therapy for decreasing wound complication rates and seroma formation following prepectoral breast reconstruction. *Aesthetic Plast Surg*. 2021 Jan 20. [Epub ahead of print].

Available at: [Aesthetic Plastic Surgery](#)

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.