

## Addition of ALLEVYN<sup>®</sup> GENTLE BORDER Foam Dressing to standard care helped reduce the incidence of pressure injuries (PIs) in critically ill patients admitted to intensive care units (ICUs)

Lee YJ, Kim JY, Shin WY. Use of prophylactic silicone adhesive dressings for maintaining skin integrity in intensive care unit patients: A randomised controlled trial. *Int Wound J*. 2019;16(Suppl1):36–42.

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### Key points

Compared with standard care alone, addition of ALLEVYN GENTLE BORDER Dressing demonstrated:

**90%**   
relative reduction in Stage I PI incidence  
( $p=0.006$ )

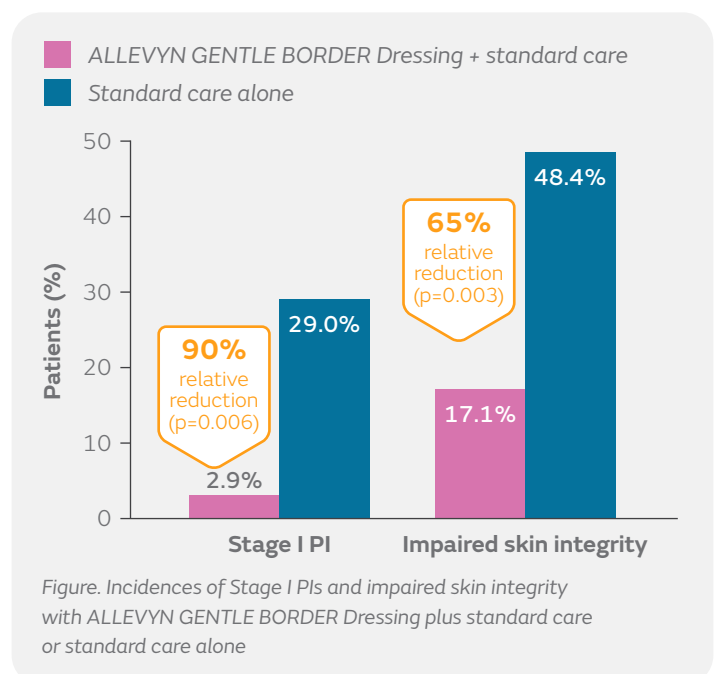
 **65%**  
relative reduction in the incidence  
of impaired skin integrity  
( $p=0.003$ )

### Overview

- Randomised controlled trial conducted at two ICUs\* to assess whether use of ALLEVYN GENTLE BORDER Dressing can help maintain skin integrity
- Critically ill patients (mean age, 61 years) received standard care alone ( $n=31$ ) or with ALLEVYN GENTLE BORDER Dressing ( $n=35$ ) applied every 3 days to the sacrum
- Skin inspections were performed daily by staff nurses and every 3 days by specialist nurses
- Subepidermal moisture (SEM) of the sacrum, coccyx and buttocks was measured every 3 days using a moisture meter; blanching erythema was assessed by visual inspection

### Results

- Compared with standard care alone, the addition of ALLEVYN GENTLE BORDER Dressing resulted in:
  - A lower incidence of Stage I PIs ( $p=0.006$ ; Figure)
  - A reduced incidence of impaired skin integrity ( $p=0.003$ ; Figure)
  - Similar incidence of blanching erythema (6 vs 5 patients, respectively)
- Mean SEM was significantly greater for patients with PIs versus those without ( $p<0.0001$ )
- Mean SEM was significantly greater at sites where PIs and blanching erythema developed compared with sites on intact skin in the same patient ( $p=0.0001$  and  $p=0.0003$ , respectively)



\*Study conducted in the Republic of Korea

### Conclusions

Use of ALLEVYN GENTLE BORDER Dressing in addition to standard care helped to significantly reduce the incidence of PIs and impaired skin integrity in the sacral area compared with standard care alone in critically ill ICU patients.

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.