

## + Evidence in focus

Publication summary: Beeckman D, et al. *Br J Dermatol* (2020)\*

Smith+Nephew

Addition of ALLEVYN<sup>◇</sup> LIFE Foam Dressing or Mepilex™ Border Dressing to standard care helped to significantly reduce the incidence of hospital-acquired pressure ulcers (HAPUs) compared with standard care alone

## + Plus points



36%

relative reduction in overall incidence of HAPUs with foam dressings plus standard care versus standard care alone (p=0.04)



41%

relative reduction in risk of developing sacral HAPUs with foam dressings plus standard care versus standard care alone (p=0.04)



No statistically significant difference in effectiveness between ALLEVYN LIFE Dressing and Mepilex™ Border Dressing (exploratory analysis)

## Overview

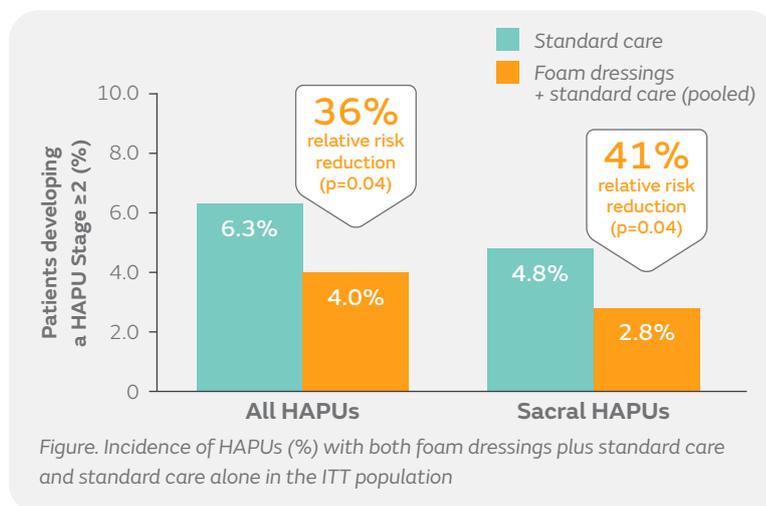
- Independent, pragmatic, randomised controlled open-label trial conducted at eight Belgian hospitals, to assess whether multilayer silicone foam dressings can help prevent HAPUs
- Patients were at risk of developing a HAPU (Braden score <17), admitted to hospital <48 hours previously and treated on intensive care units (ICU) and non-ICU wards
- The pooled experimental group received ALLEVYN LIFE Dressing on both hips, ALLEVYN LIFE Heel on both heels and ALLEVYN LIFE Sacrum (n=545) or Mepilex™ Border Dressing on both hips,

Mepilex™ Border Heel on both heels and Mepilex™ Border Sacrum (n=542), both in addition to standard care

- Dressings applied and changed for up to 14 days according to manufacturer's instructions
- The control group received standard care alone (n=546); which was risk, daily skin and nutritional assessments, tailored repositioning, heel offloading and skin care
- The intention-to-treat (ITT) population included 1,605 patients

## Results

- Across hospital wards, compared with standard care alone, the addition of foam dressings resulted in:
  - A 36% significant relative risk reduction in HAPU incidence stage  $\geq 2$  (p=0.04; Figure); number needed to treat, 43
  - A 41% significant relative risk reduction in sacral HAPUs (p=0.04; Figure)
  - A 24% non-significant relative risk reduction in heel HAPUs (1.4 vs 1.9% p=0.49)
  - Only one patient developed a HAPU at the hip in the experimental group
- Exploratory data analysis did not demonstrate statistically significant differences in effectiveness between ALLEVYN LIFE Dressing and Mepilex™ Border Dressing



## Conclusions

Addition of ALLEVYN LIFE Dressing or Mepilex™ Border Dressing to standard care significantly reduced the incidence of HAPUs (stage  $\geq 2$ ) in at-risk patients across hospital wards compared with standard care alone. No statistically significant difference in clinical effectiveness was observed between the two foam dressings.

## Citation

\*Beeckman D, Fourie A, Raepsaet C, et al. Silicone adhesive multilayer foam dressings as adjuvant prophylactic therapy to prevent hospital-acquired pressure ulcers: a pragmatic non-commercial multi-centre randomised open label parallel group medical device trial. *Br J Dermatol*. 2020 Nov 20; [Epub ahead of print].

Available at: [British Journal of Dermatology](https://www.britishtodermatology.com)

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.