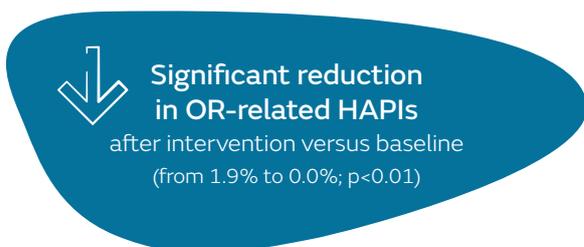


Significant reduction in operating room (OR) related hospital-acquired pressure injuries (HAPIs) with use of ALLEVYN[®] LIFE Foam Dressing as part of a skin prevention bundle for at-risk surgical patients

Acero LT, Pateres J, Kurtz J, Espejo J, Busco D, Austein M. The Acero–Kurtz perioperative skin bundle. Poster presented at: the National Pressure Injury Advisory Panel Annual Conference; 17–18 March 2022; Florida, USA.

Key points

Use of a skin prevention bundle, including ALLEVYN LIFE Dressing, in at-risk patients resulted in:



Significant reduction in OR-related HAPIs
after intervention versus baseline
(from 1.9% to 0.0%; $p < 0.01$)



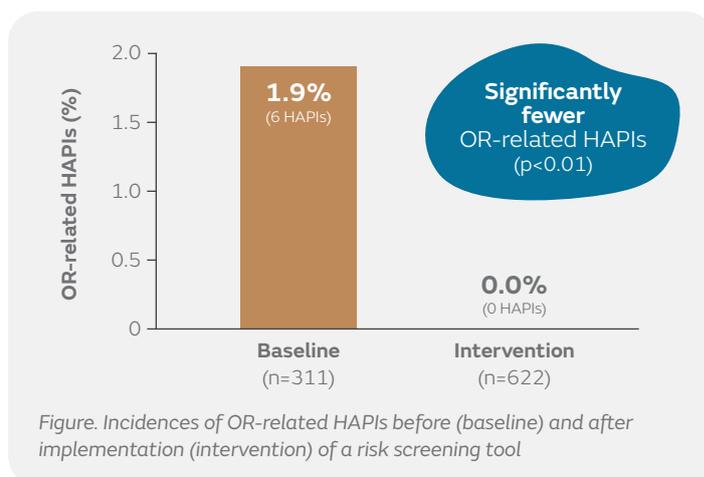
Reduced incidence of total HAPIs
after intervention
(from 6.8% to 3.1%)

Overview

- Evaluation of a perioperative risk screening tool to help identify surgical patients at risk of OR-related HAPIs who may require a skin prevention bundle with ALLEVYN LIFE Dressing
- Incidence of OR-related HAPIs was evaluated before (baseline) and after introduction of the screening tool for two consecutive years (October to September 2019–2020 and 2020–2021, respectively)
 - The total number of OR patients was 311 in the baseline period and 622 in the two intervention periods combined
- Nurses assessed risk of skin breakdown using the facility-developed tool (Acero-Kurtz Skin Evaluation Tool), which identified risk factors for surgical patients, triggered a skin assessment and use of a skin bundle
- Risk factors included age ≥ 70 years, Braden Scale Score ≤ 16 , diabetes, pre-existing pressure injury, repeat surgery during hospitalisation and surgery time ≥ 3 hours
- Patients at-risk of HAPIs (any two risk factors or a repeat OR procedure; $n=35$) received a skin bundle with ALLEVYN LIFE Dressing applied on areas of concern
 - Skin was assessed regularly after surgery

Results

- After introduction of a risk screening tool for use of a skin prevention bundle including use of ALLEVYN LIFE Dressing:
 - The number of OR-related HAPIs was significantly lower compared with the baseline period ($p < 0.01$; Figure)
 - For all HAPIs, 19 of 622 patients (3.1%) developed HAPIs compared with 21 of 311 patients (6.8%) during the baseline period



Conclusions

Introduction of a skin prevention bundle, including use of ALLEVYN LIFE Dressing, for at-risk surgical patients helped to significantly reduce the incidence of OR-related HAPIs.

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.