Professional consulting through the OR Partner app.



Talk to us or visit molnlycke.com/ **PUP-in-the-OR** to find out how a pressure ulcer prevention strategy in the OR can make a difference to your patients, teams and budgets.



- Risk assessment guide to identify high-risk patients based on surgery type and risk areas
- Assist you through a pressure ulcer prevention protocol
- Guide you to which products can protect patients and how to use them
- Practical e-learning modules with clinical experts

Innovative products that reduce costs, backed by clinical evidence

Our continuing journey to zero perioperative pressure injuries²²

Authors: Diane Kimsey RN, MSN, MHA, CNOR

Background

Historically, communicaton about surgery related pressure injury incidents did not always reach operating room staff. Consequently, preventon initatves were not prevalent in perioperatve environments.

Preventive integrations:

Care in positioning program

Skin safetv bundle

Integrated preventi processes

Results

3

14.041 Patient Outcomes 2015-2017

75%

Decrease in incidence of surgery related pressure injuries since implementation

Conclusion

Sustained compliance with this Nurse-driven preventive protocol, as indicated by lower pressure injury incidence and documentation audits, is an excellent indication of a hospital culture that prioritizes patient safety.

ce: A National Study. Adv Wound Care. 1998 May-Jun; 11 (3 Suppl): 8-9. 9. Pope R. Pressure Sore Formation in the Operating Theatre: 1. Br. J Nurs. 1999 Feb 25-Mar 10;8(4): 211-4, 216-7. 10. King al effects of prophylactic sacral dressings on tissue loads: A computational modeling analysis. Ostomy Wound Management 2017:63(10):48-55, 15, Gefen, A., Kottne, naria, N. Clinical and biomechanical prespectives on pressure injury prevention research: the case of prophylactic dressings. Clinical Biomechanics 2016;38:29–34. Available from: doi: 10.101 nech.2016.08.005. Epub 2016 Aug 12. 16. FE simulation of PUP at the iliac crest in OR with Mepilex Border Flex Mölnlycke Health Care, Data on File 2019. 17. Kalowes P., Messina V. et al. Five nt pressure ulcers in the intensive care unit. Am J of Critical Care 2016: 25: 6: 108-119, 18, Mölnlycke Health Care, Menilex® Border Flex Product Manual – Confor n file 18 Bateman S. Principles of preventative foot care. British Journal of Community Nursing 2014-19 [Supplement]: S32-S38 20 Johnstone A. McGown K. Jon ain in critical care. Wounds UK 2013;9(3):76-80. 21. Mölnlycke Health Care. Mepilex® Border Flex – External data – FEM simulations

Find out more at www.molnlycke.com

Mölnlycke Health Care AB, P.O. Box 13080, Gamlestadsvägen 3 C, SE-402 52 Göteborg, Sweden. Phone + 46 31 722 30 00 The Mölnlycke Mepilex, Z-flex, Deep Defense trademarks, names and logos are registered globally to one or more of the Mölnlycke Health Care Group of Companies. Z-Flo is a trademark in the United States and other countries of EdiZONE, LLC of Alpine, Utah, USA. ©2021 Mölnlycke Health Care AB. All rights reserved. HQIM002377





See poster for full prevention intervention details.

Reduced unreimbursed treatment in projected costs

34%



OR acquired pressure ulcers are a pain. Here's relef



Don't let pressure ulcers compromise your success



As a result of surgery, pressure ulcer development may be:

As high as Cost per patient, up to 66%¹ USD 40,000¹

Pressure injuries often start in the OR but only appear later when surgery is over. The good news is that many such injuries can be avoided if prevention is on clinicians' minds throughout the perioperative period.

Mölnlycke's proven solutions help protect patients from head to heel.

WHO IS AT RISK?

Individuals in the operating room have specific care needs arising from their immobility during the operative period. The Prevention and Treatment of Pressure Ulcers: Clinical Practice Guideline recommends distributing pressure over a larger surface area and offloading bony prominences.

Factors that increase the risk of perioperative pressure ulcers include:

Incidence by type of procedure ^{2,3,4,5,6,7,8,9}	Surgery duration	Patient health status
 Cardiac Vascular Spinal/Abdominal Orthopedic Elderly Orthopedic General/Thoracic 27.7% 	 Procedures longer than 3 hours substantially increase skin damage and underlying tissue¹⁰. Shorter procedures create as much damage with high pressure to bony prominences (heel, sacrum) as low pressure for longer periods¹¹. 	 Intrinsic patient health indicators may increase risk of pressure ulcer formation¹²: Advanced age Very high or very low BMI Comorbidities Higher ASA classifications

Mölnlycke offers comprehensive head-to-heel solutions to help prevent pressure ulcers across the continuum of care

Protecting

Mepilex[®] Border Sacrum Mepilex[®] Border Heel







Designed to protect the sacrum area.

Designed to protect the heel.

Offloading

Mölnlycke[®] Z-flex[™] Heel boot



Offloads the heel and maintain anatomically neutral foot position.









Can be used on a viariety of other body locations such as the iliac crest¹³.

Dressings for prevention

The distinct material properties in the five-layer construction that is found in Mepilex® Border Sacrum, Mepilex[®] Border Heel and Mepilex[®] Border Flex, means that the dressing layers interact to reduce pressure and sheer being transferred to soft tissues beneath¹⁴⁻¹⁶. Research has identified that different anatomical locations are subjected to different directional forces^{14, 15}.

Mepilex[®] Border Sacrum and **Mepilex® Border Heel**

Sacral and heel pressure injuries originate due to increased forces that are largely one directional. Mepilex[®] Border Sacrum and Mepilex[®] Border Heel with proprietary Deep Defense[™] technology are effective in protecting against these specific injuries.

°000/ 70

Reduction in sacral pressure ulcer incidence in a published RCT¹⁷ using Mepilex Border Sacrum.

Optimal balance of strength and flexibility



Mepilex[®] Border Sacrum



Mepilex[®] Border Heel

Mepilex[®] Border Flex

In other anatomic areas at risk of pressure injuires, the extrinsic forces acting on soft tissues are multidirectional and dependent on patient positioning. In such anatomic areas Mepilex[®] Border Flex with proprietary Flex Technology can be used to protect the tissues from deformations¹³.



* Reduction in high stresses in soft tissue over the iliac crest¹

Designed to conform and stay on

Thanks to Flex Technology, the unique conformability of Mepilex® Border Flex allows it to adapt to the shape and movement of the patient¹². Reducing pressure on the skin and pull on the borders increases comfort and minimises the risk of detachment¹⁹⁻²¹.



* Recent computer modelling by experts in FE analysis has shown Mepilex Border Flex can reduce high stresses in soft tissue over the iliac crest by up to 80%.

Mölnlycke[®] Z Flo[™] Fluidized positioners



Redistributes pressure over a greater surface area to offload bony prominences such as the occiput or heels.

In summary, Mepilex[®] Border Sacrum, Mepilex[®] Border Heel and Mepilex[®] Border Flex all absorb and re-distribute extrinsic forces to help protect against pressure injuries.