Significance

The Operating Room (OR) is a high-risk environment for hospital-acquired pressure injuries (HAPI) due to a number of factors including:

- Operative time and prolonged immobility
- Inability to perceive pain or discomfort from unrelieved pressure
- Friction and sheering forces
- Relatively hard support surfaces^{1,2}

In 2019, 38% of all HAPI at a 500+ bed teaching hospital were contributed to the OR. The Prevention and Treatment of Pressure Ulcers/Injuries: Clinical Practice Guideline published in 2019 recommends considering expected surgical time and patient position in HAPI risk assessment and using soft silicone multi-layered foam dressings to protect the skin on high pressure areas³.

Purpose

The purpose of this study was to test whether OR-related HAPIs could be reduced through the use of a perioperative HAPI risk screening tool and an associated bundle which included the use of soft silicone multi-layered foam dressings.

*ALLEVYN^o LIFE Foam Dressing, Smith and Nephew, Hull, UK.

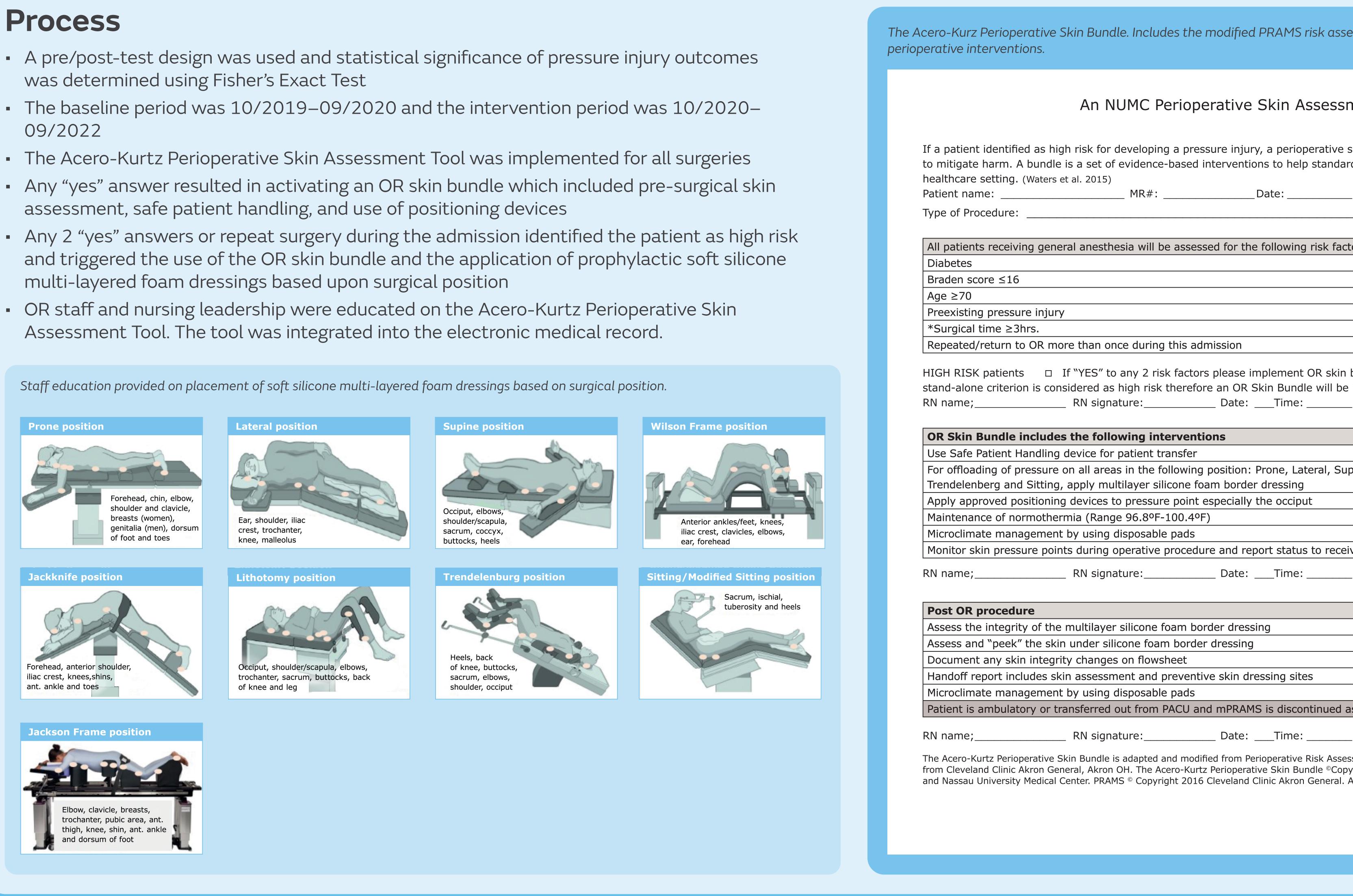
References:

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- 2. Primiano M, Friend M, McClure C, et al. Pressure ulcer prevalence and risk factors during prolonged surgical procedures. Aorn j. 2011;94(6):555–566.
- 3. European Pressure Ulcer Advisory Panel (EPUAP) NPIAPN, Pan Pacific Pressure Injury Alliance (PPPIA). Prevention and treatment of pressure ulcers/injuries: clinical practice guidelines. 3rd ed. 2019.

Revalidation of the acero-kurtz perioperative skin bundle

- was determined using Fisher's Exact Test
- 09/2022

- multi-layered foam dressings based upon surgical position



Outcomes

- 100% staff education attendance was achieved
- During the intervention period, 93 surgical patients met the crite and received OR skin bundle and prophylactic soft silicone multi foam dressings
- OR-related HAPI incidence was 0% compared to 1.9% in the bas
- This project demonstrates that with proper staff education and of a bundle including the use of soft-silicone multilayer dressings specific risk screening process, the occurrence of HAPI in the OR

teria for high-risk	Results	Pre-pro (10/20
ti-layered aseline period (p=.0011)	Total number of OR patients	311
d the implementation gs, activated through an OR- R can be significantly reduced.	Number that met bundle criteria	Not app
	OR-acquired HAPI	6

The Acero-Kurz Perioperative Skin Bundle. Includes the modified PRAMS risk assessment tool and the associated

An NUMC Perioperative Skin Assessment Tool

If a patient identified as high risk for developing a pressure injury, a perioperative skin bundle protocol should be implemented to mitigate harm. A bundle is a set of evidence-based interventions to help standardize care and reduce complications in the

ia will be assessed for the following risk factors	YES	NO	N/A
e during this admission			

□ If "YES" to any 2 risk factors please implement OR skin bundle *Repeated/return to OR as a stand-alone criterion is considered as high risk therefore an OR Skin Bundle will be implemented. _ Date: ____Time: _____

ving interventions	Check here
atient transfer	
in the following position: Prone, Lateral, Supine, Lithotomy, Jackknife, ilayer silicone foam border dressing	
pressure point especially the occiput	
96.8°F-100.4°F)	
sposable pads	
perative procedure and report status to receiving nurse	
ure: Date:Time:	

	Check here
silicone foam border dressing	
cone foam border dressing	
on flowsheet	
ent and preventive skin dressing sites	
isposable pads	
ut from PACU and mPRAMS is discontinued as of date:	

Date: ____Time:

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otocol implementation 019 – 09/2020)	Post-protocol implementation (10/2020 – 09/2022)
	1272
plicable	93
	0