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Australian Association of Stomal Therapy Nurses & Asia Pacific Enterostomal Therapy Nurses Association

Poster Presentation

Topic : The effectiveness of reposition schedule related of support surface and internal factors associated incidence density pressure injury.

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incidence density pressure injury.

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Background

Pressure injuries are important indicators of the quality of nursing care. During 2018-2020, Siriraj Hospital data indicates that hospitalised pressure injuries at a high Incidence Density (ID) from 1.35 up to 1.53 per 1,000 patient day. Most pressure injuries are preventable if appropriate evidence-based implemented, including important internal factors^{1,2} assessment : Mean ARTERIAL Pressure < 60 mmHg, On dopamine or norepinephrine , use of high specific foam mattress³ : high resillence foam, density >35kg/m³, thickness 5.9 inches, reposition on an individualized schedule⁴. Enterostomal Nurse (ETN) analyse ID and adjust new intervention for Pressure Injury Prevention guildline. The four high risk pilot units were implemented.

Objectives

Reduced incidence density pressure injury in the patient using support surface and/or individualized schedule reposition.



Table 1 reposition schedule related support surface and important internal factors			
Mattress Risk factors	Standard mattress/Air mattress/Polyurethane foam : density $\leq 35 \text{kg/m}^3$ / thickness <5.9 inches	Polyurethane foam: density ≤ 35kg/m ³ / thickness ≥ 5.9 inches	Low air loss/ Viscoelastic foam/ High resilience : density >35kg/m ³ / thickness \geq 5.9 inches
Cobfined to bed/ limited immpbility/ completely-vere slightly limited dependency/ unresponsiveness/ alteration of concious	2 hrs	3 hrs	4 hrs
MAP< 60 mmHg *	2 hrs	2 hrs	2 hrs
On dopamine or norepinephrine*	2 hrs	2 hrs	2 hrs

Conclusion

The new intervention prevention strategie including using high specific foam mattress and/or individualized schedule reposition able to reduce ID. Moreover, the view of nureses who implemented are the guideline able prevent pressure injury, decrease nursing time of reposition and increse satisfaction.

Reference

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