

PENILE DISPOSABLE ABSORBENT WRAP TO PREVENT HAPI

Mary Famorca, BSN,MAN,RN,WCC,COCN, CCCN Charles Peworski, MSN,RN
 Mayo Clinic, Phoenix, AZ

Background

The review of Hospital Acquired Pressure Injury (HAPI) data from January to early May 2018 demonstrated 3 mucosal pressure injury (MPRI) related to (r/t) the use of indwelling urinary catheter (IUC) and 9 HAPI r/t urinary incontinence associated dermatitis (IAD)

Method

Following PDSA cycle, volunteer units of the hospital together with the Wound Ostomy RN decided to explore alternative solution for male patients suffering with urinary incontinence. The volunteer units are the same units that developed HAPI from the use of IUC and urinary IAD prior to the study

Problem

Problem: Adult male patients developing MPRI with the use of IUC & HAPI r/t urinary IAD

Interventions

Problem: Adult male patients developing MPRI with the use of IUC & HAPI r/t urinary IAD



Comparison

Staff currently using either an IUC, adult body worn absorbent product (BWAP) or an external containment device

Discussion

30 male incontinent patients who needed urinary containment were observed. Nurses were provided education about the penile disposable absorbent wrap and were given the freedom to utilize the product if they choose to do so. Nurses filled up satisfaction survey regarding the product. Assessment of patient's penile shaft, scrotum, groin, perineum and gluteal area were done each shift

Result

21 patients had penile disposable absorbent wrap, 4 had adult BWAP, and 3 had external containment devices, 2 with IUC. 21 patients with penile disposable absorbent wrap did not develop any HAPI or urinary IAD. 7 patients who did not utilize the penile disposable absorbent develop HAPI from incontinence while the 2 patients who utilized IUC develop MPRI

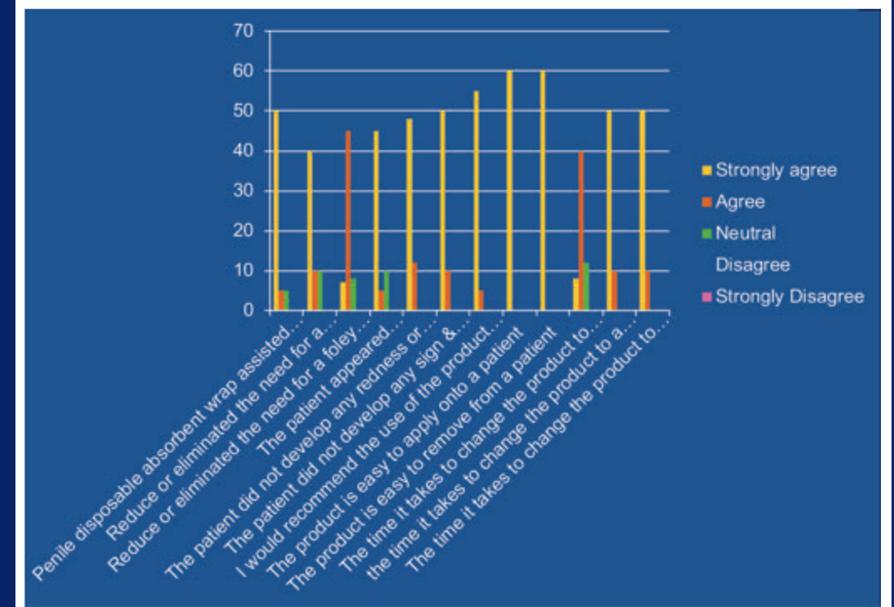
Outcome

Decrease number of MPRI from the use of IUC & decrease number of HAPI from urinary IAD

Cost

Cost of the penile disposable absorbent wrap during the observation period is \$1103.48 compared to the cost of \$43,180 in treating patients with HAPI (Bryant & Nix, 2015). Staff was satisfied with the use of the penile disposable absorbent wrap.

NURSES EVALUATION OF PENILE DISPOSABLE ABSORBENT WRAP



Conclusions

Penile Disposable absorbent wrap is an alternative resource for male incontinent patients that can assist in preserving our patient's skin. The product is now available in all units of the hospital

References

Gray, M., et al. (2018) Assessment, Selection, Use and Evaluation of Body-Worn Absorbent Products for Adults with incontinence: A WOCN Society Consensus Conference. Journal of Wound Ostomy Continence Nursing Society. Vol 45 Issue pp. 243-264.

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