

Decreasing the Number of Hospital Acquired Urinary Catheter Infections: Quality

Improvement

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Decreasing the Number of Hospital Acquired Urinary Catheter Infections

A flexible tube called a urinary catheter is used to drain the bladder and collect urine in a drainage bag. Catheters can either be inserted through the tube that carries urine out of the bladder (urethral catheter) or through a small opening in your lower tummy (suprapubic catheter). When patients have trouble urinating on their own, they typically utilize a urinary catheter. Overall, catheters have an essential job in the hospital, creating a spotlight on infections catheters may cause if not treated properly. The purpose of quality improvement would be to reduce risks and infections associated with catheter use in the hospital. About Quality and Safety Education for Nurses (QSEN), the nurse should be able to explain the role of nurse duties to a patient when inserting a catheter. The nurse should also be able to determine the best clinical practice for inserting a catheter. A nurse should also have the skills to consult with providers before deviating from evidence-based protocols when inserting a catheter (QSEN Institute, 2020, Table 4). Lastly, a nurse should be able to appreciate the need for continuous improvement in the healthcare field when it comes to patient safety (QSEN Institute, 2020, Table 4). The identification of the significance of right catheterization will reveal how the proper training and use of sterilization correctly can significantly reduce infections associated with catheters.

Article Summary

The article “Improve the Integrity Rate of Response and Teaching for Tube Care Administered by the Primary Caregiver” provides the importance use of catheters and how improper care can lead to many difficulties, including death. A study, "Improve the Integrity Rate of Response and Teaching for Tube Care Administered by the Primary Caregiver," revealed how many providers gave poor instructions on inserting catheters, which resulted in infections and even septic shock in some patients (Shiang-Mei et al., 2021). Poor communication, lack of

graphic demonstrations, and lack of standards can result in a patient's catheter becoming infected (Shiang-Mei et al., 2021). The ability of primary caregivers to correctly carry out the care steps should significantly increase when using the cutting-edge health-education aids and advancements shown in this study.

Introduction

The article explains how the hospital can work together to create a healthier atmosphere to avoid spreading infectious. For example, when inserting a patient catheter, poor communication can potentially lead to a patient's death (Shiang-Mei et al., 2021). This article is linked to decreasing hospital-acquired catheter infections by providing a study reviewing the poor lack of standards providers have when inserting a catheter correctly. The primary caregivers who participated in this study had low completion rates of reverse demonstration of urinary catheter care instructions, at 38%, between February 10 and March 31, 2019 (Shiang-Mei et al., 2021). The study showed how ineffectively the care providers were working with the hospital to provide proper catheter care resulting in patient infections.

Overview

About (QSEN), the article provides information on how the providers can improve their knowledge, skills, and attitude about catheter care. For example, the providers could demonstrate methods of correctly inserting a catheter, read original research on handling catheter safety, and value the need for constant quality improvement for patient catheter use (QSEN Institute, 2020, Table 4). The article relates to the nursing-specific practice of decreasing catheter infections by applying a study to visualize the noncompliance of providers teaching the healthcare team how

to insert catheters properly. The article provides examples of why infections are happening with catheters and why providers must demonstrate caring for catheters to avoid putting patients in danger.

Quality Improvement

The quality improvement of catheter care on any specific floor in the hospital correlates to lowering the chances of infection for patients that receive catheters. Catheter care is in all hospital departments, whether labor and delivery or the emergency room. The pre-implementation phase would notify all employers of the need for catheter care. For example, in the article, a study provided evidence of poor communication and demonstration of how to appropriately care for a catheter (Shiang-Mei et al., 2021). The intra-implementation would be ensuring the providers are up to date on all the requirements for proper catheter care. In post-implementation, the hospital should see patient satisfaction and increased patient safety due to the proper handling and training of catheter care. The requirements needed to meet catheter care standards should be inexpensive for the hospital, considering it is just the providers getting the appropriate education for catheters and being able to relay the information to the rest of the hospital staff. The nursing staff should see instant satisfaction in decreasing infections related to the patients. Overall, the quality improvement for providing the proper catheter care for patients is inexpensive and offers satisfaction for the hospital staff and patients.

Application to Nursing

Here add in a summary of the information learned to the application to practice. Follow the MEAL paragraph formatting and use Grammarly.com. Be sure to cover all aspects within the rubric. Be sure to use double space and to tab over for your first line of a new paragraph.

Practice

Paragraph goes here discussing the application to practice. Review the rubric for full requirements. Follow the MEAL paragraph formatting and use Grammarly.com.

Education

Paragraph goes here discussing the application to education. Review the rubric for full requirements. Follow the MEAL paragraph formatting and use Grammarly.com.

Research

Paragraph goes here discussing the application of research. Review the rubric for full requirements. Follow the MEAL paragraph formatting and use Grammarly.com.

Conclusion

Write a conclusion here in your overall paper. Review the rubric for full requirements. Follow the MEAL paragraph formatting and use Grammarly.com.

References

QSEN Institute (2020). *QSEN competencies*.

https://qsen.org/competencies/pre-licensure-ksas/#quality_improvement

Shiang-Mei LAN, Jing-Yun LIN, Zhi-Xuan SU, Hsiu-Wen HSU, Cheng-En LEE, & Meng-Ping HSU. (2021). Improve the Integrity Rate of Response and Teaching for Tube Care Administered by the Primary Caregiver. *Journal of Nursing*, 73-80. [https://doi.org/10.6224/JN.202106_68\(3\).10](https://doi.org/10.6224/JN.202106_68(3).10)

