

The effectiveness of a bundle in the prevention of Foley Catheter associated urinary tract infection at teaching hospital , Saudi Arabia

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Abstract

Background: Catheter associated urinary tract infections (CAUTIs) are one of the common device- associated infections in in-patient settings (Lai, C. et al., 2017). The exposure to indwelling urinary catheters (IUCs) for over two days is associated with increased CAUTI risk since a vast modifiable risk factor for CAUTI is the catheter duration. Most of catheter-associated UTIs are considered avoidable through implementing the recommended infection-prevention practices (The Bundle Approach). Preventative measures for Foley catheter urinary tract infection such as catheter avoidance strategies, hand hygiene, perineal care, and daily necessity review to limit catheter days have been associated with decreased Foley catheter urinary tract infection rates (Saint et al., 2016).

Objective: The aim of this study is to evaluate the impact of the bundle approach in Foley catheter associated urinary tract infections in intensive care units and hospital mortality due to Foley catheter urinary tract infection.

Conclusion: CAUTI avoidance works synergistically with optimizing technical aspects of urinary catheterization. Also, bundle evidence-based interventions were used to reduce the incidence of CAUTIs in a community hospital and an infection control program must develop, implement, and monitor policies and practices to minimize infections associated with the use of these devices. In order to reduce urinary catheter infection, it is recommended that some of the necessary nursing interventions (bundles) be used when installing or removing the urinary catheter.



Biography

Nabeela Al-Abdullah is an Associate Professor of Clinical Epidemiology and Nursing Research Methods- Faculty of Nursing, King Abdulaziz University. She is a Consultant of Clinical Epidemiology and Infection Control at King Abdulaziz University Hospital, Jeddah and a Deputy Head of Infection Control Unit and Environmental Health Unit (ICEH) at King Abdulaziz University Hospital - Jeddah. She is a Chairwoman of the Saudi Society for Infection Control - Jeddah Branch and a Chairwoman of the Saudi National Committee for Diploma of Infection Control - Saudi Commission for Health Specialties.

Publications

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