Oral Defense Announcement
University of Missouri – St. Louis Graduate School

An oral examination in defense of the dissertation for the degree
Doctor of Nursing Practice with an emphasis in Family Nurse Practitioner

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B.A. in Communications, May 2013, University of Missouri – Columbia
B.S. in Psychology, May 2013, University of Missouri – Columbia
B.S.N. in Nursing, December 2014, Goldfarb School of Nursing

Reducing CAUTIS in a Neurological ICU

Date: July 10, 2019
Time: 1:00 pm
Place: College of Nursing Building, Room 106

Abstract
Problem Catheter-associated urinary tract infections (CAUTIs) are the fourth leading cause of healthcare-associated infection (Centers for Disease Control, 2018). A urinary catheter maintenance bundle is one way to reduce CAUTI rates in hospitalized patients (Hanchett et al., 2012).

Methods This quality improvement project utilizes a catheter maintenance bundle with the aim of reducing CAUTI rates. The project takes place in a 20-bed neurological intensive care unit (ICU). Nurses in the ICU were educated on the hospital's infection prevention urinary catheter maintenance bundle. The bundle elements include red seal intact, bag and tubing off of the floor, bag below level of the bladder, urine flow without obstruction, thigh securement, individual collection container, and collection container that is labeled. Biweekly audits were completed to assess compliance to the bundle.

Results There were 394 audits completed. Increased compliance to the catheter maintenance bundle was achieved but did not result in decreased in CAUTI rates. Based on the post hoc pairwise comparisons, May percent compliance was significantly higher than February (p<0.001) and April percent compliance was significantly higher than March (p = 0.007).

Implications for Practice Education on catheter maintenance bundling is a useful way to increase compliance to evidence-based urinary catheter maintenance practices. With increased education, nurses had increased compliance to the bundle.

Defense of Dissertation Committee
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