

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 Acute Pediatric Nurse Practitioner

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B.S. Nursing, University of Missouri – Columbia, 2016

Implementation of a Prone Position Pressure Injury Prevention Bundle in the PICU

Date: July 9th, 2024

Time: 12:00 p.m. to 1:00 p.m.

Place: Seton Hall

Abstract

Pronation is a low cost, high value intervention used in treating children and adults with acute respiratory distress syndrome (ARDS). Hospital-acquired pressure injury (PI) is the most common complication of pronation. While the presence of PI bundles and protocols have been shown to reduce incidence of PI in the prone position there is no standard bundle or protocol found in the literature, and no bundle or protocol specific to pediatric patients. The purpose of this quality improvement project is to create and implement a prone position pressure injury prevention bundle, called “Prone Pack”. This QI project setting was a 40 bed PICU at a mid-sized children’s hospital in the Midwest region of the United States. A convenience sample of patients admitted to the PICU at the hospital during a two-month period was utilized. Pre and Post implementation data was obtained via retrospective medical record. Rates of new pressure injury (PI) development, location of PI, and bundle compliance for children in the prone position were analyzed. Potential for clinically significant reduction of PI in prone patients was noted. Creating a standardized pediatric PI bundle has the potential to reduce PI caused by pronation, which can improve patient outcomes and reduce healthcare costs.

Defense of Dissertation Committee

Committee Chairperson,

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