

Protocol Preventing Device Related Pressure Injuries

Background: Medical-device related pressure injuries (MDRPIs) account for more than 30% of all preventable hospital acquired pressure injuries.

Local Problem: The purpose of this project is to create a protocol for all IV lines when discharged from the Outpatient Infusion Center (OPIC). Consistent use of Curoc caps have shown to decrease central line blood stream infections (CLABSIs) but could they create a risk for an avoidable pressure injury?

This project of interest will measure MDRPIs related to Curoc caps on IV lumens, adherence to a protocol, and CLABSIs. The proposed outcomes of this project are to initiate an intervention preventing MDRPIs from IVs and CLABSIs.

Methods: Through this quality improvement project, data will be analyzed using descriptive studies. The specific population received infusions from January 2020-April 2020 in OPIC with an IV access in place overnight.

Intervention: The protocol requires wrapping the lumens with a 4x4 gauze and taping the lumens upwards then providing a stretch sleeve. Skin assessments would be performed Monday-Friday with daily Braden scale scores to identify the at-risk population.

Results: Data analysis is pending during data collection.

Conclusion/Implications: Results from this project would provide a cost-effective way to prevent MDRPIs from IV lumens and Curoc caps. The protocol would also be applicable to the inpatient setting to (1) initiate an intervention to prevent and bring awareness to MDRPIs from IV lines (2) adherence to the protocol leading to zero MDRPI and zero CLABSIs (3) promote patient satisfaction and outcomes.