Replacing adhesive dry gauze dressing with CHG-transparent dressing for hemodialysis patients with tunneled CVC was associated with decreased CRI rates” Apata et al (2017).

Abstract:

PURPOSE: Central venous catheters (CVC) are associated with increased infection rates, morbidity and mortality compared to other hemodialysis vascular access. Chlorhexidine-impregnated transparent (CHG-transparent) dressings allow for continuous antimicrobial exposure and easy visibility of the CVC insertion site. We conducted a quality improvement project to compare catheter-related infection (CRI) rates in two dressing regimens – CHG-transparent dressings and adhesive dry gauze dressing in hemodialysis patients with tunneled CVCs.

RESULTS: In phase 1, CRI rates (per 1000 days) in EDC (intervention site) decreased by 52% (1.69 vs. 0.82, p<0.05) and increased by 12% (1.80 vs. 2.02, p = 0.75) at EDG, and 35% (0.91 vs. 1.23, p = 0.40) at EDN. In phase 2, CRI rates at EDG and EDN (intervention sites) decreased by 86% (1.86 vs. 0.26 p<0.05), and 53% (1.89 vs. 0.88, p<0.05), respectively, and decreased by 20% at EDC (0.73 vs. 0.58, p = 0.65).

CONCLUSIONS: Replacing adhesive dry gauze dressing with CHG-transparent dressing for
CHG-transparent dressing for hemodialysis patients decreases CLABSI rates

hemodialysis patients with tunneled CVC was associated with decreased CRI rates.

Reference:


Thank you to our partners for supporting IVTEAM