

Shen Research Day 2022 Descriptive Abstract

Is there a provider dependent discrepancy in institutional Venous Thromboembolic Event risk stratification screening? An institutional review of current practice patterns at a large tertiary care center.

Introduction: To decrease the morbidity associated with post operative Venous thromboembolic events (VTEs) and aggressive chemoprophylaxis in total arthroplasty patients our health system developed a patient specific risk stratification method to determine appropriate post surgical chemoprophylaxis. The risk stratification is completed by clinical nursing staff as well as by inpatient resident physicians. The primary purpose of this study is to evaluate potential differences in risk stratification between Nursing Providers and Resident Physicians, to identify reasons for potential differences in risk stratification. Our secondary outcome of interest is if our patient population ended up taking being discharged with the indicated chemoprophylaxis. This project will give insight into our VTE screening process and how it translates into clinical practice. The results will give insight to potential discrepancies that may lead to inappropriate VTE coverage which has the potential to have a significant impact on patient care.

Methods: We will review 69 patient charts to reach a confidence level of 90%. We will review patient charts who were undergoing elective total hip or knee arthroplasty between the month of January 2022 to May 2022 who had preoperative risk VTE risk assessment completed by clinic staff. We will then compare the preoperative risk assessment to our inpatient risk assessment completed by the on service residents and identify frequencies of discrepancies between the different provider teams. We will collect data where the discrepancy occurred in the screening tool, assess for possible differences in pgyl levels of the residents and we will assess if the patient was discharged on the appropriate medication.

This study is still on going: results and conclusions will be presented on June 24th.