

Increasing Compliance of Deep Venous Thrombosis Medical Prophylaxis of Brain Injury Patients in Acute Inpatient Rehabilitation Setting

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Abstract:

BACKGROUND AND OBJECTIVES: Venous thromboembolism is a major national health concern and a major contributor to morbidity and mortality. The aim of this study is to assess the effectiveness of adding the previous pharmacological deep-vein thrombosis medication of brain injury patients in the preadmission screen to aid the medication reconciliation process. **INTERVENTION:** The medications stated on the discharge summary and the Medication Reconciliation (MedRec) are continued. Adding the proper medication and the dosage the patient received in the Acute Hospital will aid the accepting physician with Medication Reconciliation and prevent delays in care. Rate of Medical DVT prophylaxis would be compared before and after the intervention. **METHOD:** A total of 924 cases were reviewed retrospectively. The cohort included patients admitted to the inpatient rehabilitation facility between April 2018 and December 2019 with a diagnosis of stroke or traumatic brain injury. Children were excluded from the sample. The improvement strategy was put in place on June 2019, therefore pre improvement group includes data from April 2018- May 2019 and post improve data includes records from June 2019- December 2019. **RESULTS:** There is significant improvement of DVT prophylaxis compliance after the DVT prophylaxis regiment at the acute hospital has been stated on the preadmission screen in addition to the Medication Reconciliation sent with the patient. **CONCLUSION AND DISCUSSION:** This study showed the effectiveness of adding the previous pharmacological deep-vein thrombosis medication in the preadmission screen to aid the Medication reconciliation process, This will significant improve the compliance of DVT prophylaxis regiment.

Biography:

Dr. Zhang is a board-certified physiatrist, and Director of Brain Injury Rehabilitation at St. Charles Hospital. He is also a Clinical Associate Professor at the State University of New York at Stony Brook. Dr. Zhang received his medical degree from Shanghai Medical University. He completed residency training in Physical Medicine and Rehabilitation at Montefiore Medical Center, New York, followed by a fellowship in Stroke Rehabilitation at the Kessler Rehabilitation Institute in New Jersey. Dr. Zhang's contributions to the field include numerous journal articles and presentations at national medical conferences.