. Peter's Health



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Background

Alcohol use disorder (AUD) is a frequently encountered complication of inpatient admissions with an estimated occurrence in 11-32% of hospitalized patients.³ Consequences of AUD include development of AWS, which can present as a variety of symptoms ranging from mild to severe (see below) but with the possibility of severe sequelae such as seizures or even fatality. Symptoms can begin anywhere from 6-24 hours after last alcohol ingestion and may last 5 days or more depending on the severity of withdrawal.^{3,4} It is estimated that half of all hospitalized patients with AUD may go on to experience AWS.³ Pharmacologic interventions to mitigate AWS should be initiated sooner rather than later to gain rapid symptom control and prevent morbidity and mortality. Improved symptom control may lead to decreased risk for severe consequences of alcohol withdrawal as well as reduced nursing intervention due to streamlined monitoring. As patients gain better symptom control, they are at less risk for severe consequences of the disease.

Inpatient management of Alcohol Withdrawal Syndrome (AWS) can be difficult due to the variability in patient presentation and symptomology, heterogeneity throughout the patient's course of care, difficulty with concise disease-specific monitoring, and lack of clear preferred treatment. The purpose of this project is to compare the efficacy of two different inpatient withdrawal assessment scales: the Clinical Institute Withdrawal Assessment for Alcohol (CIWA-Ar) versus the Severity of Ethanol Withdrawal Scale (SEWS). Outcomes include time on medication protocol, symptom management, cumulative dose of medication used, and patient length of stay.

Objectives

Primary objective: To evaluate the average patient time on medication protocol and monitor for resolution of symptoms

- Secondary objectives:
- Quantify the amount of medication required for each protocol (CIWA vs. SEWS) and observe any need for adjunctive pharmacotherapy
- Observe patient length of stay and/or transfer rates to higher levels of care
- Assess symptom control based on patient scale scoring
- Compare nursing assessment variabilities within each scale

Areas of Impact

- Patients hospitalized for alcohol withdrawal monitoring
- Nurses in the ER and all inpatient areas within the Regional Medical Center
- Providers in the ER and all inpatient providers who manage alcohol withdrawal patients
- Pharmacists to support with medication selection and management

Methods

Phase I: Project Development & **Preliminary Data** Collection





Phase III: Final Data Analysis

September – December

January - March

April - May

Implementation of the Severity of Ethanol Withdrawal Scale (SEWS) for Inpatient Monitoring of Alcohol Withdrawal at a Small Community Hospital



