Reducing Anticoagulant Related Adverse Events: Improving Hospital Safety Infrastructures and the Impact of Pharmacist Anticoagulation Services

Heath R. Jennings, Pharm.D., BCPS
Stacy Vols, Pharm.D., BCPS
Karen Poc, Pharm.D., BCPS
Maria Winkler, Pharm.D.
Eric Miller, Pharm.D.
Kelly Watson, M.D.
Anthony Moran, M.D.

Saint Joseph HealthCare
Lenington, Kentucky

Abstract

The ASHP 2014 Practice Award-winning pharmacy program focused on improving patient safety through a multifaceted approach to coordinating anticoagulation care. The initiative was designed to reduce inappropriate anticoagulant dosing and to improve the coordination of pharmacy services surrounding patients on anticoagulant therapy. The program maintained anticoagulation patient safety through continuous monitoring of outcomes and feedback to participants in the program.

Introduction

Objective: The objective of this project was to examine medication errors with anticoagulants and to reduce related patient harm.

Methods: The primary focus was to evaluate the impact of clinical pharmacists providing patient-centered anticoagulation therapy.

Description of the Program

- Phase I: Ate伐简单的抗凝治疗的活化部分凝血活素时间(APTT)监测
- Phase II: 实施新的综合管理策略
- Phase III: 持续监测和反馈

Experience with the Program

- Clinical Initiatives and Changes
- Phase I to III
  - Phase I: implemented education and consultation for all anticoagulant supplies.
  - Phase II: implemented new pharmacy system changes from the ED to ICU.
  - Phase III: implemented new pharmacy system changes from the ED to ICU.
- Anticoagulation drug monitoring
  - Phase I: implemented anticoagulation drug monitoring.
  - Phase II: implemented anticoagulation drug monitoring.
  - Phase III: implemented anticoagulation drug monitoring.

Discussion

- The ASHP 2014 Practice Award-winning program focused on improving patient safety through a multifaceted approach to coordinating anticoagulation care.
- The program maintained anticoagulation patient safety through continuous monitoring of outcomes and feedback to participants in the program.