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IMPACT OF PHARMACIST SERVICES TARGETING MEDICATION SAFETY AND PATIENT EDUCATION IN A PERIOPERATIVE SETTING



DISCLOSURE STATEMENT

- IRB status: Exempt
- Co-investigators:
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- Design of an analysis Nore
- Project sponsorship: None





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METHODS: PHASE II PROJECT IMPLEMENTATION

- · After collecting baseline data, an 8-week pilot phase took place where a pharmacist was embedded within the post anesthesia care unit (PACU) from January 2023 to March 2023.
- · During this pilot phase, the following was completed:
 - Established pharmacist role in the PACU/SDS/OR areas
 - Collected medication safety, time saved, and therapy optimization data on interventions made
 - Developed protocols
 - Assessed for cost savings
 - Established relationships between pharmacy and PACU/OR/SDS staff

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METHODS: PHASE II PROJECT IMPLEMENTATION

During an 8-week pilot phase from January 2023-March 2023 a pharmacist was embedded into the perioperative setting. The following areas were targeted for impact:





RESULTS: PRIMARY OBJECTIVE Interventions were collected throughout the 8-week pilot phase and placed into four categories Estimated operating room time saved through pharmacist interventions Simple: 5 minutes Moderate: 10-15 minutes - Complex: 30-45 minutes · Optimization of medication therapy - Prophylactic antibiotic optimization Multimodal approaches to pain management in the perioperative setting Post operative nausea and vomiting management

 Medication safety interventions Medication dosing and allergy clarification
 Pediatric medication safety sheets • Other di St. Peter's Health - Medication ordering and dispensing issues



RESULTS: SECONDARY OBJECTIVES

Post implementation survey was provided to assess the benefit, impact, and improvement in medication use process throughout the pilot.



Increase in prescriptions filled after the addition of a single surgeon to M2B program from March 2022 & March 2023.



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RESULTS: SECONDARY OBJECTIVES

Currently, SPH uses premix Tranexamic Acid (TXA) bags. TXA use in orthopedic surgeries was assessed throughout December 2022. If the TXA product currently used was switched to a push together, there is an estimated cost savings of ~ \$6,300 per year.



RESULTS: SECONDARY OBJECTIVES

- Potential Areas for Clinical Improvements:
- Protocol development
 - Post Operative Nausea and Vomiting
 - Perioperative Blood Glucose Management
- Antimicrobial allergy and prophylaxis
 - Standardization of prophylactic antibiotic use
- Education regarding allergies and safe alternatives
 Continued assessment of cost savings





REFERENCES

- ASHP guidelines on Perioperative Pharmacy Services. (n.d.). Retrieved August 26, 2022, from https://library.smh.com/sites/default/files/ASHP%20guidelines%20on%20perioperative%20p harmacy%20services.pdf
- Keicher PA, McAllister JC 3rd. Comprehensive pharmaceutical services in the surgical suite and recovery room. Am J Hosp Pharm. 1985 Nov;42(11):2454-62. PMID: 4073062.
- Brittany Johnson, P. D. (n.d.). Pharmacists' role in the management of Perioperative Analgesia. Pharmacy Times. Retrieved August 25, 2022, from https://www.pharmacytimes.com/view/pharmacists-role-in-the-management-ofperioperative-analgesia

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